ABOVE-SURFACE-MARITIME-WRECK-REPRESENTATION

A model of a MARITIME-WRECK that has a permanently exposed portion.

ABOVE-SURFACE-MARITIME-WRECK-REPRESENTATION Height Dimension

The exposed height of a maritime wreck at the low water datum.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 99.99 **Unit of Measure:** Meters

ABOVE-SURFACE-REEF-REPRESENTATION

A model of a strip or ridge of rocks, sand, or coral that rises above the surface of a body of water.

ABOVE-SURFACE-REEF-REPRESENTATION Height Dimension

The height of the feature, which tidal waters cover and uncover, referenced to a specified vertical datum.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: -99.9 **Max Value:** 999.9 **Unit of Measure:** Meters

ABOVE-SURFACE-SNAG-REPRESENTATION

A model of one or more tree stems or stumps that are above the surface of the water.

ABOVE-SURFACE-SNAG-REPRESENTATION Height Dimension

The depth of the feature below water, measured from the top or surface of the feature, referenced to a specified vertical datum. Recorded values are positive numbers.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: -99.9 **Max Value:** 999.9 **Unit of Measure:** Meters

ACCESS-ZONE-REPRESENTATION

A model of an access zone - a zone between a CONTACT-ZONE-REPRESENTATION and the first possible clearing line.

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION

A HYDROGRAPHIC-AID-TO-NAVIGATION actively transmitting information within the non-visual portion of the electromagnetic spectrum.

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION Morse Code Text

The text that describes characters transmitted in Morse Code by an ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 50

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION Period Seconds Quantity

The quantity of seconds between the commencement of two identical, successive cycles of an ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Seconds

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION Remarks Text

The text that describes any additional information about ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 250

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION Type Code

The code that represents a specific kind of ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
NST11	RADAR-HYDROGRAPHIC-AID-TO-NAVIGATION
NST40	RADIO-BEACON-HYDROGRAPHIC-AID-TO-NAVIGATION

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP

A collection of ACTIVE-ELECTRONIC-HYDROGRAPHIC-AIDS-TO-NAVIGATION transmitting information on the same frequency in a specified sequence.

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP Identifier

The identifier that represents an ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP.

Data Type: Character-String **Length:** 35

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION

A model of an ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION.

ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Service Range Dimension

The maximum distance at which the associated ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION can be used accurately.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 998 **Unit of Measure:** Nautical-Miles

ADMINISTRATIVE-FEATURE-REPRESENTATION

A model of demarcation established by a responsible administrative authority.

ADMINISTRATIVE-FEATURE-REPRESENTATION Boundary Established Date

The date on which an administrative boundary was instituted.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

ADMINISTRATIVE-FEATURE-REPRESENTATION Boundary Restrictions Remarks Text

The text that describes the restrictions of an administrative boundary.

Data Type: Character-String **Length:** 250

ADMINISTRATIVE-FEATURE-REPRESENTATION Boundary Status Code

The code that represents the recognition of an administrative boundary.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BST1	Definite
BST2	Indefinite
BST3	In Dispute
BST4	No Defined Boundary
BST5	Temporary

ADMINISTRATIVE-FEATURE-REPRESENTATION Geometry Type Code

A code that indicates the geometry type of an ADMINISTRATIVE-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Line
2	Area
3	Point

ADMINISTRATIVE-FEATURE-REPRESENTATION Type Code

The code that represents the type of ADMINISTRATIVE-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	DESIGNATED-MARITIME-AREA-REPRESENTATION
2	MARITIME-ROUTE-REPRESENTATION
3	MARITIME-TRAFFIC-SEPARATION-SCHEME
4	POLITICAL-SEPARATION-REPRESENTATION
5	Boundary Monument
6	INTERNATIONAL-DATE-LINE-REPRESENTATION
7	Defined Water
8	Baseline Point
9	TIME-ZONE-REPRESENTATION

ADMINISTRATIVE-FEATURE-REPRESENTATION Usage Code

The code that indicates how the ADMINISTRATIVE-FEATURE-REPRESENTATION is used.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE141	Forest Preserve
USE155	Prohibited Area
USE16	City
USE22	Joint Military/Civilian
USE23	International
USE26	Primary/1st Order
USE30	Secondary/2nd Order
USE31	Tertiary/3rd Order
USE32	Insular
USE4	National
USE49	Civilian/Public
USE5	State
USE51	Telegraph
USE52	Telephone
USE53	Power
USE6	Private
USE7	Tribal
USE70	Reserve/Reservation
USE8	Military
USE999	Other

ADMINISTRATIVE-FEATURE-REPRESENTATION-AGREEMENT

The association of an ADMINISTRATIVE-FEATURE-REPRESENTATION with an AGREEMENT.

ADMINISTRATIVE-FEATURE-REPRESENTATION-AGREEMENT Text

Textual description of the relationship between an AGREEMENT and an ADMINISTRATIVE-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 80

ADMINISTRATIVE-FEATURE-REPRESENTATION-ASSOCIATION

The association of two ADMINISTRATIVE-FEATURE-REPRESENTATIONs.

ADMINISTRATIVE-FEATURE-REPRESENTATION-ASSOCIATION Reason Text

The text that describes the reason for association.

Data Type: Character-String **Length:** 256

ADMINISTRATIVE-FEATURE-REPRESENTATION-DOCUMENT

The association of an ADMINISTRATIVE-FEATURE-REPRESENTATION with a DOCUMENT.

AERIAL-CABLEWAY-LINE

Cables which are strung between elevated supports as part of a conveyor system on which cars, buckets, or other carrier units are suspended.

AERIAL-CABLEWAY-LINE Over Water Operation Code

Indicates the presence of an obstruction over an area of navigable water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
OWO1	Feature crosses navigable water
OWO2	Feature does not cross navigable water

AERIAL-CABLEWAY-LINE Usage Code **New**

A code indicating the the primary user of the AERIAL-CABLEWAY-LINE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE120	Recreational
USE130	Transportation
USE999	Other

AERIAL-CABLEWAY-LINE-REPRESENTATION

A model of an AERIAL-CABLEWAY-LINE.

AERIAL-CABLEWAY-LINE-REPRESENTATION Safe Vertical Clearance Dimension **New**

The safe vertical clearance of an object measured from the plane toward the object overhead.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

AERIAL-CABLEWAY-LINE-REPRESENTATION Existence Category Code

The state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

AERIAL-CABLEWAY-LINE-REPRESENTATION Height Range Code

Height range with greater precision.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HTR0	Unknown
HTR1	<=0.5
HTR2	>0.5 and <=1.0
HTR3	>1.0 and <=1.5
HTR4	>1.5 and <=2.0
HTR5	>2.0 and <=5.0
HTR6	>5.0 and <=10.0
HTR7	>10.0 and <=20.0
HTR8	>20.0 and <=35.0
HTR9	>35.0

AERIAL-CABLEWAY-LINE-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

AERIAL-CABLEWAY-LINE-REPRESENTATION Permanency Code

Indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

AERIAL-CABLEWAY-LINE-REPRESENTATION Transmission Line Suspension Code

Types of suspension of power transmission lines between pylons.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TST0	Unknown
TST1	Normal Suspension
TST2	Catenary (Over Mountains)
TST3	Catenary (Over Water)

AERIAL-CABLEWAY-PYLON

A tower supporting steel cables which convey cars, buckets, or other suspended carrier units.

AERIAL-CABLEWAY-PYLON-REPRESENTATION

A model of an aerial cableway pylon.

AERIAL-CABLEWAY-PYLON-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

AERIAL-CABLEWAY-PYLON-REPRESENTATION Guyed Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

AERIAL-CABLEWAY-PYLON-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

AERIAL-CABLEWAY-PYLON-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

AERIAL-CABLEWAY-PYLON-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

AERIAL-CABLEWAY-PYLON-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the AERIAL-CABLEWAY-PYLON-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC10	Pillar/Spindle
SSC12	Pyramid
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC74	'T' Frame
SSC999	Other

AERONAUTICAL-NAVIGATIONAL-AID

An electronic device which provides point-to-point aeronautical guidance or position data.

AERONAUTICAL-NAVIGATIONAL-AID Broadcast Frequency Channel Identifier

The identifier that represents the channel assigned to the specific AERONAUTICAL-NAVIGATIONAL-AID by the controlling authority.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 1 **Max Value:** 126 **Unit of Measure:** None

AERONAUTICAL-NAVIGATIONAL-AID Broadcast Frequency Rate

The rate of frequency modulation assigned to a specific AERONAUTICAL-NAVIGATIONAL-AID by the controlling authority.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 1000 **Max Value:** 1000000 **Unit of Measure:** Hertz

AERONAUTICAL-NAVIGATIONAL-AID Call Sign Identifier

The identifier assigned to the AERONAUTICAL-NAVIGATIONAL-AID by the controlling authority.

Data Type: Character-String **Length:** 4

AERONAUTICAL-NAVIGATIONAL-AID Directional Type Code

A code that indicates whether a specific AERONAUTICAL-NAVIGATIONAL-AID is directional.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Directional
2	Non-directional

AERONAUTICAL-NAVIGATIONAL-AID Lighting System Code **New**

The code that indicates the type of visible light on an AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LFA10	Rotating Beacon
LFA999	Other

AERONAUTICAL-NAVIGATIONAL-AID Morse Code Text **New**

The ASCII (ISO 646)letter that is being emitted by the AERONAUTICAL-NAVIGATIONAL-NAVAID.

Data Type: Character-String **Length:** 255

AERONAUTICAL-NAVIGATIONAL-AID Power Output Rate

The AERONAUTICAL-NAVIGATIONAL-AID output power capacity.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1000 **Unit of Measure:** Watt

AERONAUTICAL-NAVIGATIONAL-AID Radio Classification Code

The code that represents the effective area for an AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
H	Non-directional radio beacon (homing), 50 to less than 2,000 watts 50 nm
HA	Normal anticipated interference, free service below 18,000ft - 40 nm 14,500ft - 17,999ft, 100 nm (contiguous 48 states ONLY)
HH	Non-directional radio beacon (homing) power 2000 watts or more.
L	Normal anticipated interference free service 40 nm up to 18,000 feet.
MH	Non-Directional radio beacon (homing) power less that 50 watts.
T	Normal anticipated interference free service 25 nm up to 12,000 feet.
U	Unknown

AERONAUTICAL-NAVIGATIONAL-AID Remarks Text

The text describing additional remarks about an AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Character-String **Length:** 240

AERONAUTICAL-NAVIGATIONAL-AID Sequence Identifier

The identifier that distinguishes AERONAUTICAL-NAVIGATIONAL-AIDs with the same call sign, type, and country code.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** None

AERONAUTICAL-NAVIGATIONAL-AID TACAN Distance Measuring Equipment Mode Code

The code indicating the mode setting when tuning the TACAN system to the AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
X	X Mode
Y	Y Mode

AERONAUTICAL-NAVIGATIONAL-AID Type Code

The code that represents the type of AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
NST0	Unknown
NST10	Radar Responder Beacon (RACON)
NST12	Radio
NST17	Non-Directional Radio Beacon (NDB)
NST18	NDB/Distance Measuring Equipment (NDB/DME)
NST19	Radio Range (RNG)
NST2	CONSOL
NST20	VHF Omni Directional Radio Range (VOR)
NST21	VHF Omni Directional (VOR/DME)
NST22	VHF Omni Directional (VORTAC)
NST23	Tactical Air Navigation Equipment (TACAN)
NST24	Instrument Landing System (ILS)
NST58	DME (Distance Measuring Equipment)

AERONAUTICAL-NAVIGATIONAL-AID Usage Code

The code that represents airspace structure in which the AERONAUTICAL-NAVIGATIONAL-AID is utilized.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE161	Random Navigation
USE162	All Altitudes
USE73	Terminal
USE74	High Altitude
USE75	Low Altitude

AERONAUTICAL-NAVIGATIONAL-AID Voice Capability Indicator Code

The code that indicates whether an AERONAUTICAL-NAVIGATIONAL-AID has voice transmission capabilities.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Voice Capability
2	No Voice Capability

AERONAUTICAL-NAVIGATIONAL-AID-ASSOCIATION

The association of one AERONAUTICAL-NAVIGATIONAL-AID to another.

AERONAUTICAL-NAVIGATIONAL-AID-PROTECTED-FREQUENCY

The assured interference free frequency reception zone.

AERONAUTICAL-NAVIGATIONAL-AID-PROTECTED-FREQUENCY-REPRESENTATION

A model of an AERONAUTICAL-NAVIGATIONAL-AID-PROTECTED-FREQUENCY.

AERONAUTICAL-NAVIGATIONAL-AID-PROTECTED-FREQUENCY-REPRESENTATION Altitude Dimension

The altitude within which frequency reception is assured to be interference free.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	10000	**Max Value:**	99000	**Unit of Measure:**	Feet

AERONAUTICAL-NAVIGATIONAL-AID-PROTECTED-FREQUENCY-REPRESENTATION Distance Dimension

The distance within which frequency reception is assured to be interference free.

Data Type:	Integer	**Length:**	4	**Decimal Count:**	0
Min Value:	1	**Max Value:**	1500	**Unit of Measure:**	Nautical-Miles

AERONAUTICAL-NAVIGATIONAL-AID-REFERENCE-OBJECT

A type of REFERENCE-OBJECT.

AERONAUTICAL-NAVIGATIONAL-AID-REPRESENTATION

A model of an AERONAUTICAL-NAVIGATIONAL-AID.

AERONAUTICAL-NAVIGATIONAL-AID-REPRESENTATION Antenna Base Elevation Dimension

The elevation of an AERONAUTICAL-NAVIGATIONAL-AID's antenna base measured from mean sea level.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-300	**Max Value:**	10000	**Unit of Measure:**	Meters

AERONAUTICAL-NAVIGATIONAL-AID-REPRESENTATION Distance Dimension

The effective range of the AERONAUTICAL-NAVIGATIONAL-AID.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	1	**Max Value:**	999	**Unit of Measure:**	Nautical Miles

AERONAUTICAL-NAVIGATIONAL-AID-REPRESENTATION Height Dimension **New**

The distance measured from the lowest oint of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

AERONAUTICAL-NAVIGATIONAL-AID-REPRESENTATION Orientation Angle **New**

The angle of the AERONAUTICAL-NAVIGATIONAL-AID to true north, measured clockwise. Round features are coded as 360 degrees.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

AERONAUTICAL-NAVIGATIONAL-AID-REPRESENTATION Surface Reference Code **New**

The code that indicates the relationship of the AERONAUTICAL-NAVIGATION-AID to the Earth's surface.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC8	On Ground Surface
LOC999	Other

AERONAUTICAL-NAVIGATIONAL-AID-WAYPOINT

A POINT-DEFINED--AIR-ROUTE-SEGMENT-WAYPOINT established by a specific AERONAUTICAL-NAVIGATIONAL-AID.

AERONAUTICAL-NAVIGATIONAL-AID-WAYPOINT-REPRESENTATION

A model of an AERONAUTICAL-NAVIGATIONAL-AID-WAYPOINT.

AERONAUTICAL-NAVIGATIONAL-AID-WAYPOINT-REPRESENTATION Bearing Angle

The angular difference between magnetic North and the magnetic bearing from an AERONAUTICAL-NAVIGATIONAL-AID to an AERONAUTICAL-NAVIGATIONAL-AID-WAYPOINT.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

AERONAUTICAL-NAVIGATIONAL-AID-WAYPOINT-REPRESENTATION Distance Dimension

The distance from a given AERONAUTICAL-NAVIGATIONAL-AID to the AERONAUTICAL-NAVIGATIONAL-AID-WAYPOINT defined by that AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 1 **Max Value:** 300.9 **Unit of Measure:** Nautical-Miles

AERONAUTICAL-REFERENCE-OBJECT

An object used as a point of reference or waypoint.

AERONAUTICAL-REFERENCE-OBJECT Identifier

An identifier assigned to uniquely identify an instance of REFERENCE-OBJECT.

Data Type: Character-String **Length:** 15

AERONAUTICAL-REFERENCE-OBJECT Type Code

A code indicating the type of referred item of REFERENCE-OBJECT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	AIRPORT-REFERENCE-OBJECT
2	AIR-ROUTE-REFERENCE-OBJECT
3	RUNWAY-END-REFERENCE-OBJECT
4	INSTRUMENT-LANDING-SYSTEM-COMPONENT-REFERENCE-OBJECT
5	WAYPOINT-REFERENCE-OBJECT
6	NAVAID-REFERENCE-OBJECT
7	AERONAUTICAL-NAVIGATIONAL-AID-REFERENCE-OBJECT

AGREEMENT

An arrangement between parties.

AGREEMENT Category Code

The code that represents a classification of an AGREEMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	CUSTOMIZED
S	STANDARD

AGREEMENT Description Text

The text of the characteristics of an AGREEMENT.

Data Type: Character-String **Length:** 9999

AGREEMENT Duration Type Code

The code that represents a specific kind of time frame associated with an AGREEMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
F	FIXED-LENGTH
O	OPEN-ENDED

AGREEMENT Effective Date

The date when an AGREEMENT becomes effective.

Data Type: Date **Length:** 8 **Decimal Count:** 0

Min Value: 17760101 **Max Value:** 99991231 **Unit of Measure:** None

AGREEMENT Identifier

The identifier that represents an AGREEMENT.

Data Type: Character-String **Length:** 25

AGREEMENT Name

The name of an AGREEMENT.

Data Type: Character-String **Length:** 100

AGREEMENT Type Code

The code that represents a specific kind of AGREEMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
A	CONTRACTING AGREEMENT
AH	UNION
B	LEGAL AGREEMENT
C	INTERNATIONAL AGREEMENT
CN	NAME CHANGE AGREEMENT
D	PERSONNEL AGREEMENT
E	UNDERSTANDING AGREEMENT
FPRA	FORWARD PRICING RATE AGREEMENT
KG	GRANT
MA	MASTER AGREEMENT
NOVA	NOVATION AGREEMENT

AIR-OBSTRUCTION

An existing object of natural growth or terrain, or a human-made feature at a fixed location within prescribed area with a reference to which vertical clearance is or must be provided during flight operations.

AIR-OBSTRUCTION Date **New**

The date for some activity about the AIR-OBSTRUCTION.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 99991231 **Max Value:** 101 **Unit of Measure:** None

AIR-OBSTRUCTION Identifier

The identifier that represents a specific AIR-OBSTRUCTION.

Data Type: Character-String **Length:** 35

AIR-OBSTRUCTION Type Code

The code that represents the type of AIR-OBSTRUCTION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Natural
2	Man-Made

AIR-OBSTRUCTION-REPRESENTATION

A model of an existing object of natural growth or terrain, or a human-made feature at a fixed location within prescribed area with a reference to which vertical clearance is or must be provided during flight operations.

AIR-OBSTRUCTION-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

AIR-OBSTRUCTION-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the AIR-OBSTRUCTION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

AIR-REFUELING-AREA

A designated airspace where air refueling operations are normally conducted.

AIR-REFUELING-AREA-SEGMENT

A portion of an AIR-REFUELING-AREA.

AIR-REFUELING-AREA-SEGMENT Identifier

The identifier that represents a specific AIR-REFUELING-AREA-SEGMENT.

Data Type: Character-String **Length:** 35

AIR-REFUELING-ROUTE

A specified track or anchor within a specifically designated airspace where air refueling operations are normally conducted.

AIR-REFUELING-ROUTE APN Radar Beacon Text

Text depicting the APN radar beacon code setting.

Data Type: Character-String **Length:** 3

AIR-REFUELING-ROUTE APX Radar Beacon Code

The APX radar beacon code setting.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Setting 2,1
2	Setting 3,1
3	Setting 4,1
4	Setting 5,1
5	Setting 6,1
6	None

AIR-REFUELING-ROUTE Assigned Air Traffic Control Center Text

The text describing the air traffic control center that controls the air space within which the refueling track or anchor is located.

Data Type: Character-String **Length:** 80

AIR-REFUELING-ROUTE Direction Code

A code indicating predominant direction of the refueling track or anchor at the point of entry.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
E	East
N	North
NE	Northeast
NW	Northwest
S	South
SE	Southeast
SW	Southwest
W	West

AIR-REFUELING-ROUTE Identifier **New**

The identifier that represents an AIR-REFUELING-ROUTE.

Data Type: Character-String **Length:** 15

AIR-REFUELING-ROUTE Primary UHF Frequency Rate

The control and reporting plans primary UHF Frequency.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 3
Min Value: 225 **Max Value:** 399.995 **Unit of Measure:** Megahertz

AIR-REFUELING-ROUTE Receiver Channel Number

The first air to air X-Band TACAN channel to be used during air fueling operations.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 1 **Max Value:** 63 **Unit of Measure:** None

AIR-REFUELING-ROUTE Remarks Text

The text that describes any additional information about ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 250

AIR-REFUELING-ROUTE Secondary UHF Frequency Rate

The control and reporting plans backup UHF frequency.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 3
Min Value: 225 **Max Value:** 399.995 **Unit of Measure:** Megahertz

AIR-REFUELING-ROUTE Tanker Channel Number

The second air to air X-Band TACAN channel to be used during air fueling operations.

Data Type: Character-String **Length:** 3

AIR-REFUELING-ROUTE Type Code

A code indicating the type of refueling operation that takes place in the AIR-REFUELING-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Anchor
B	Anchor or Track
T	Track

AIR-REFUELING-ROUTE-ALTITUDE

A specific altitude or block of airspace within which refueling operations shall be conducted.

AIR-REFUELING-ROUTE-ALTITUDE Altitude Dimension

The altitude at which refueling operations shall be conducted in reference to mean sea level.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

AIR-REFUELING-ROUTE-ALTITUDE Description Code

Designates the levels at which reference refueling altitude should be maintained with respect to the altitude specified.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AA	At or above altitude specified
AB	At or below altitude specified
AT	At altitude specified
BT	Between altitudes specified

AIR-REFUELING-ROUTE-ALTITUDE Flight Level Identifier

The altitude, expressed as a flight level, at which refueling operations shall be conducted.

Data Type: Character-String **Length:** 5 **Decimal Count:** 0
Min Value: FL001 **Max Value:** FL999 **Unit of Measure:** None

AIR-REFUELING-ROUTE-ALTITUDE Sequence Identifier

A number assigned sequentially to each instance of AIR-REFUELING-ROUTE-ALTITUDE.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 1 **Max Value:** 3 **Unit of Measure:** None

AIR-REFUELING-ROUTE-AREA

The intersection between an AIR-REFUELING-ROUTE and an AIR-REFUELING-AREA.

AIR-REFUELING-ROUTE-POINT

A specific coordinate identified in an AIR-REFUELING-ROUTE.

AIR-REFUELING-ROUTE-POINT Bearing Angle

The angular difference between magnetic North and the AIR-REFUELING-ROUTE-POINT.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

AIR-REFUELING-ROUTE-POINT Distance Dimension

The distance from a given AERONAUTICAL-NAVIGATIONAL-AID to the AIR-REFUELING-ROUTE-POINT.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 1 **Max Value:** 999 **Unit of Measure:** Nautical Miles

AIR-REFUELING-ROUTE-POINT Sequence Identifier

Defines the relative position of the point identified in the total refueling track or anchor. The ordered position of the refueling track or anchor, including air refueling initial points, control points, navigation check points, exit points, entry points, anchor points, and anchor patterns.

Data Type: Character-String **Length:** 2

AIR-REFUELING-ROUTE-POINT Usage Code

The functional use of the AIR-REFUELING-ROUTE-POINT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AN	Anchor point (anchors only)
AP	Anchor pattern (anchors only)
CP	Air refueling control point
ET	Entry point (anchors only)
EX	Exit point
IP	Air refueling initial point
NC	Navigation check point

AIR-ROUTE

A specified route designed for channeling the flow of traffic as necessary for the provision of air traffic services.

AIR-ROUTE Direction Code

The code that represents the predominant direction of an AIR-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	East
W	West

AIR-ROUTE Identifier

The identifier that represents an AIR-ROUTE.

Data Type: Character-String **Length:** 6

AIR-ROUTE Type Code

The code that indicates the type of AIR-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	AIR-REFUELING-ROUTE
2	MILITARY-TRAINING-ROUTE
3	PREFERRED-ROUTE

AIR-ROUTE-REFERENCE-OBJECT

A type of REFERENCE-OBJECT.

AIR-ROUTE-REPRESENTATION

A model of an AIR-ROUTE.

AIR-ROUTE-SEGMENT

A portion of a route to be flown as defined by two consecutive significant AIR-ROUTE-SEGMENT-WAYPOINTs.

AIR-ROUTE-SEGMENT Begin Essential Indicator Code

The code that indicates whether the beginning waypoint in the air route segment is essential.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	Essential Waypoint
R	Non-essential Waypoint

AIR-ROUTE-SEGMENT Boundary Code

The code that represents the ICAO region of control into which a continuous AIR-ROUTE passes at a position where there is no AIR-ROUTE-SEGMENT-WAYPOINT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
SeeSourceListText	

AIR-ROUTE-SEGMENT Coastal Fix Indicator Code

A code indicating that the waypoint is a coastal navigation fix.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No the waypoint is not a coastal fix.
Y	Yes the waypoint is a coastal fix.

AIR-ROUTE-SEGMENT Course Type Code

The code that indicates which type of North course the inbound and outbound segments are measured clockwise from.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	Magnetic Course
G	Grid Course
T	True Course

AIR-ROUTE-SEGMENT End Essential Indicator Code

The code that indicates whether the ending waypoint in the air route segment is essential.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	Essential Waypoint
R	Non-essential Waypoint

AIR-ROUTE-SEGMENT Inbound Magnetic Azimuth Angle

The angular difference between magnetic North and a given course inbound to an AIR-ROUTE-SEGMENT-WAYPOINT.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 360 **Unit of Measure:** Degrees

AIR-ROUTE-SEGMENT Inland Navigation Fix Indicator Code

A code indicating that the waypoint is a navigation aid or intersection on a North American Route at which the common route begins or ends.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No, the waypoint is not an inland navigation fix.
Y	Yes, the waypoint is an inland navigation fix.

AIR-ROUTE-SEGMENT Length Dimension

The length of an AIR-ROUTE-SEGMENT.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Nautical-Miles

AIR-ROUTE-SEGMENT Level Code

The code that represents the airspace structure in which the air traffic service (ATS) route is effective.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
ATL0	Unknown
ATL1	Both
ATL2	High Level (FL195)
ATL3	Low Level (FL195)
ATL999	Other

AIR-ROUTE-SEGMENT Maximum Authorized Altitude Dimension

The maximum altitude of an AIR-ROUTE-SEGMENT which guarantees obstacle avoidance and frequency reception expressed as a height in feet above mean sea level.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

AIR-ROUTE-SEGMENT Maximum Authorized Flight Level Identifier

The maximum altitude of an AIR-ROUTE-SEGMENT which guarantees obstacle avoidance and frequency reception expressed as a flight level.

Data Type: Character-String **Length:** 5 **Decimal Count:** 0
Min Value: FL001 **Max Value:** FL999 **Unit of Measure:** None

AIR-ROUTE-SEGMENT Minimum Authorized Altitude Dimension

The minimum altitude of an AIR-ROUTE-SEGMENT which guarantees obstacle avoidance and frequency reception expressed as a height in feet above mean sea level.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99999	**Unit of Measure:**	Feet Above MSL

AIR-ROUTE-SEGMENT Minimum Authorized Flight Level Identifier

The minimum altitude of an AIR-ROUTE-SEGMENT which guarantees obstacle avoidance and frequency reception expressed as a flight level.

Data Type:	Character-String	**Length:**	5	**Decimal Count:**	0
Min Value:	FL001	**Max Value:**	FL999	**Unit of Measure:**	None

AIR-ROUTE-SEGMENT Outbound Magnetic Azimuth Angle

The angular difference between magnetic North and a given course outbound from an AIR-ROUTE-SEGMENT-WAYPOINT.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	360	**Unit of Measure:**	Degrees

AIR-ROUTE-SEGMENT Route Number **New**

Official route designator that may include both numbers and letters, that is assigned to the air route segment.

Data Type: Character-String **Length:** 24

AIR-ROUTE-SEGMENT Uncharted Air Route Intersection Indicator Code

A code indicating that the waypoint has been created by NIMA at an intersection between two or more air routes where no waypoint is designated by the host nation.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No, the waypoint is not an intersection between two or more air routes.
Y	Yes, the waypoint is an intersection between two or more air routes.

AIR-ROUTE-SEGMENT Width Dimension **New**

A measurement of the shorter of two linear axes of the AIR-ROUTE-SEGMENT.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

AIR-ROUTE-SEGMENT-COMMUNICATION-FREQUENCY

The frequency designated for use within the AIR-ROUTE-SEGMENT.

AIR-ROUTE-SEGMENT-COMMUNICATION-FREQUENCY Rate

The rate of the AIR-ROUTE-SEGMENT-COMMUNICATION-FREQUENCY within an AIR-ROUTE-SEGMENT.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	1000	**Max Value:**	1000000	**Unit of Measure:**	Hertz

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE

A specific AIR-ROUTE-SEGMENT within an AIR-ROUTE.

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Beginning Waypoint Compulsory Reporting Indicator Code

The code that indicates whether a beginning waypoint is a compulsory reporting point.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Compulsory
N	Not compulsory

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Bi-Directional Indicator Code

The code that represents whether a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE can be used in both directions.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No
Y	Yes

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Cruise Level Symbol Code

The code that indicates when IFR cruising levels are not in agreement with the appropriate cruising level diagrams (FLIP).

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Indicates the direction of flight for which odd cruising levels are utilized on one-way and two-way ATS route segments when cruising levels are not in accordance with established standards.
B	Indicates the direction of flight for which even cruising levels are utilized on one-way ATS Route segments when cruising levels are not in accordance with established standards.

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Direction Code

The code that indicates the predominant direction of the AIR-ROUTE-SEGMENT-IN-AIR-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	East
W	West

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE End of Continuous Route Indicator Code

A code that indicates whether the waypoint is the end of a continuous route.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	End of continuous route
N	Not end of continous route

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Ending Waypoint Compulsory Reporting Indicator Code

The code that indicates whether an ending waypoint is a compulsory reporting point.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Compulsory
N	Not compulsory

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Frequency Class Code

The code that represents the frequency band associated with a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Ultra-high frequency (UHF) / Very high frequency (VHF)
B	Low frequency (LF) / Medium frequency (MF)

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Lower Altitude Dimension

The lowest altitude defining a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE expressed as a height in feet above mean sea level.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Feet

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Lower Altitude Flight Level Identifier

The lowest altitude defining a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE expressed as a flight level.

Data Type: Character-String **Length:** 5 **Decimal Count:** 0
Min Value: FL001 **Max Value:** FL999 **Unit of Measure:** None

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Remarks Text

The text describing additional remarks about a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE.

Data Type: Character-String **Length:** 250

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Sequence Identifier

The identifier that represents the relative positioning of an AIR-ROUTE-SEGMENT within an AIR-ROUTE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** None

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Status Code

The code that represents the status of a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
ARS1	Open
ARS2	Closed
ARS3	Restricted
ARS4	Alternate
ARS5	Seasonal

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Upper Altitude Dimension

The highest altitude defining a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE expressed as a height in feet above mean sea level.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 999 **Max Value:** 99999 **Unit of Measure:** Feet

AIR-ROUTE-SEGMENT-IN-AIR-ROUTE Upper Altitude Flight Level Identifier

The highest altitude defining a specific AIR-ROUTE-SEGMENT within an AIR-ROUTE expressed as a flight level.

Data Type: Character-String **Length:** 5 **Decimal Count:** 0
Min Value: FL001 **Max Value:** FL999 **Unit of Measure:** None

AIR-ROUTE-SEGMENT-REPRESENTATION

A model of an AIR-ROUTE-SEGMENT.

AIR-ROUTE-SEGMENT-WAYPOINT

A predetermined geographical position along an AIR-ROUTE defining the beginning or ending point of an AIR-ROUTE-SEGMENT.

AIR-ROUTE-SEGMENT-WAYPOINT Characteristic Code **New**

The code that represents the characteristic of the AIR-ROUTE-SEGMENT-WAYPOINT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AWT1	Unnamed Charted
AWT2	Named
AWT3	Non-directional beacon (NDB)
AWT4	Off route

AIR-ROUTE-SEGMENT-WAYPOINT Identifier

The identifier that represents a specific AIR-ROUTE-SEGMENT-WAYPOINT.

Data Type: Character-String **Length:** 8

AIR-ROUTE-SEGMENT-WAYPOINT Remarks Text

The text describing additional information about an AIR-ROUTE-SEGMENT-WAYPOINT.

Data Type: Character-String **Length:** 240

AIR-ROUTE-SEGMENT-WAYPOINT Type Code

The code that indicates the type of AIR-ROUTE-SEGMENT-WAYPOINT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	POINT-DEFINED-AIR-ROUTE-SEGMENT-WAYPOINT
2	AERONAUTICAL-NAVIGATIONAL-AID-DEFINED-AIR-ROUTE-SEGMENT-WAYPOINT

AIR-ROUTE-SEGMENT-WAYPOINT Usage Code

The code that represents the structure within which the AIR-ROUTE-SEGMENT-WAYPOINT is utilized.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AWU1	High level
AWU2	Low level
AWU3	High and low level
AWU4	High altitude random navigation (RNAV)
AWU5	Terminal

AIR-WARNING-LIGHT-REPRESENTATION **New**

A model of a light or lights marking an obstacle which constitutes a danger to air navigation.

AIR-WARNING-LIGHT-REPRESENTATION Availability Code **New**

A code indicating availability of AIR-WARNING-LIGHT at an AIRPORT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Available
E	Estimated
N	None
U	Unknown

AIR-WARNING-LIGHT-REPRESENTATION Character of Light Text **New**

A textual description composed of the class, number and color(s) of flashes or occultations of a light or lights at one geographic position [e.g. Q(6)+L F1, VQ G, L F1 (3+2)WR].

Data Type: Character-String **Length:** 80

AIR-WARNING-LIGHT-REPRESENTATION Conspicuous Category Code **New**

A code indicating the the conspicuous nature of an AIR-WARNING-LIGHT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

AIR-WARNING-LIGHT-REPRESENTATION Identifier **New**

The identifier that represents and air warning light.

Data Type: Character-String **Length:** 25

AIRCRAFT

A device designed to be capable of atmospheric flight.

AIRCRAFT Tail Identifier

The identifier that represents a specific aircraft within an AIRCRAFT-TYPE.

Data Type: Character-String **Length:** 7

AIRCRAFT-MODEL

Make and model information for a vehicle capable of atmospheric flight.

AIRCRAFT-MODEL Code

The code indicating make and model information for a vehicle capable of atmospheric flight.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
see source list	

AIRCRAFT-MOVEMENT-SURFACE

A surface for the movement, including take off and landing, of aircraft on a land airport.

AIRCRAFT-MOVEMENT-SURFACE Existence Validity Code

Reliability/Degree of confidence assigned to the data within the occurrence.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Confirmed
2	Probable
3	Possible
4	Doubtful
5	Improbable
6	Truth cannot be judged

AIRCRAFT-MOVEMENT-SURFACE Identifier

A sequential number assigned to uniquely identify an instance of AIRCRAFT-MOVEMENT-SURFACE.

Data Type: Character-String **Length:** 5

AIRCRAFT-MOVEMENT-SURFACE Load Classification Method Code

The code indicating the method used to determine the AIRCRAFT-MOVEMENT-SURFACE Load Classification Pavement Impact Text.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Calculated from original airfield constuction data.
E	Estimated from known capacities of in country airfields which are similar in length and surface.
H	Derived from historical or current operational data, e.g., airline schedule, known military use.
R	Reported but method of determination unknown.
T	Calculated from actual test data.
V	Derived from scattered or one time visual observations of aircraft using the airfield.

AIRCRAFT-MOVEMENT-SURFACE Load Classification Pavement Impact Text

The 'dimensionless' number expressing the relative effect of an aircraft on a pavement or bearing strength of a pavement. Represents a relationship between ESWL, PSI and tire footprint area.

Data Type: Character-String **Length:** 80

AIRCRAFT-MOVEMENT-SURFACE Local Designator Text

The name of an AIRCRAFT-MOVEMENT-SURFACE designated by a local authority.

Data Type: Character-String **Length:** 80

AIRCRAFT-MOVEMENT-SURFACE Maximum Demonstrated Span Identifier **New**

The identifier for the largest aircraft (greatest wing span) known to have used that particular surface within the preceeding five years.

Data Type: Character-String **Length:** 6

AIRCRAFT-MOVEMENT-SURFACE Pavement Code

The pavement type R (rigid) or F (flexible) as reported in the PCN data.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
F	Flexible
R	Rigid

AIRCRAFT-MOVEMENT-SURFACE Pavement Evaluation Method Code

A code indicating the method of evaluating pavement classification.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
T	Technical evaluation
U	By experience of aircraft using pavement

AIRCRAFT-MOVEMENT-SURFACE Pavement Maximum Tire Pressure Code

Maximum authorized tire pressure for the specific pavement classification.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
W	High, no limit
X	Medium, limited to 217 psi
Y	Low, limited to 145 psi
Z	Very low, limited to 73 psi

AIRCRAFT-MOVEMENT-SURFACE Pavement Subgrade Category Code

The code indicating the subgrade category of the pavement.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	High strength subgrade
B	Medium strength subgrade
C	Low strength subgrade
D	Ultra-low strength subgrade

AIRCRAFT-MOVEMENT-SURFACE Remarks Text

Specific information concerning treated shoulders, high speed turn offs, landing or taking off capacity, method of determining, obstacles which could pose a hazard to moving aircraft which are within 135ft of the surface edge, and any other significant information. (*note- the '135ft rule' is not applied to airports whose primary runway is less than 2500ft in length).*

Data Type: Character-String **Length:** 864

AIRCRAFT-MOVEMENT-SURFACE Type Code

A code indicating the type of AIRCRAFT-MOVEMENT-SURFACE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Apron
2	Hardstand
3	Helipad
4	Runway
5	Taxiway
6	Overrun
7	Keyhole
8	Alignment Pad

AIRCRAFT-MOVEMENT-SURFACE-ASSOCIATION

A associative entity depicting the relationship among AIRCRAFT-MOVEMENT-SURFACES.

AIRCRAFT-MOVEMENT-SURFACE-LIGHTING

A lighting system for an AIRCRAFT-MOVMENT-SURFACE.

AIRCRAFT-MOVEMENT-SURFACE-REPRESENTATION

A model of an AIRCRAFT-MOVEMENT-SURFACE.

AIRCRAFT-MOVEMENT-SURFACE-REPRESENTATION Condition Code

A code indicating the usability or condition of a specific AIRCRAFT-MOVEMENT-SURFACE.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS27	Closed/Locked
EXS28	Operational
EXS5	Under Construction
EXS59	Not Usable
EXS6	Abandoned/Disused
EXS62	Partially Destroyed
EXS66	Damaged
EXS7	Destroyed
EXS999	Other

AIRCRAFT-MOVEMENT-SURFACE-REPRESENTATION Entry Width Dimension

The sum of the taxiway width (nearest foot) leading to an apron or hardstand plus the distance from the nearest taxiway edge to the nearest hazard or obstruction.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 1 **Max Value:** 999 **Unit of Measure:** Feet

AIRCRAFT-MOVEMENT-SURFACE-REPRESENTATION Operational Status Code

A code indicating the state of readiness for use of a specific AIRCRAFT-MOVEMENT-SURFACE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
EXS0	Unknown
OPS1	Non-operational
OPS2	Operational
Z	Inconclusive analysis

AIRCRAFT-MOVEMENT-SURFACE-REPRESENTATION Shape Type Code

A code indicating the shape of a specific AIRCRAFT-MOVEMENT-SURFACE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC110	Circular
SSC80	Rectangular
SSC84	Irregular
SSC999	Other

AIRCRAFT-MOVEMENT-SURFACE-REPRESENTATION Surface Composition Code

The visible material or composition of the major portion of the surface.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC103	Snow/Ice
SMC107	Steel
SMC116	Water
SMC16	Clay
SMC20	Composite
SMC21	Concrete
SMC22	Conglomerate
SMC24	Coral
SMC250	Composite - 50% or more of runway is permanent
SMC251	PEM - part concrete, part asphalt, or part bitumen bound macadam
SMC252	Permanent - hard surface type unknown
SMC253	Bituminous - tar or asphalt mixed in place, oiled
SMC254	Composite Soft - less than 50% of runway is permanent
SMC255	Graded or Rolled Earth, grass on graded earth
SMC256	Grass or earth not graded or rolled
SMC257	Ice
SMC258	Snow
SMC259	Macadam - crushed rock water bound
SMC260	Membrane - plastic or other coated fiber material
SMC261	Mix - mix in place using non-bituminous binder
SMC262	Laterite Laterite
SMC30	Earthen
SMC46	Gravel
SMC5	Asphalt
SMC64	Metal
SMC83	Reinforced Concrete
SMC9	Brick
SMC999	Other

AIRCRAFT-MOVEMENT-SURFACE-REPRESENTATION Surface Type Code **New**

The code indicating the physical surface composition of a road or runway.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RST0	Unknown
RST1	Hard/Paved
RST2	Loose/Unpaved
RST5	Grass/Sod (Soft)
RST6	Natural
RST999	Other

AIRCRAFT-MOVEMENT-SURFACE-SHOULDER-REPRESENTATION

A shoulder that is along side of a AIRCRAFT-MOVEMENT-SURFACE.

AIRCRAFT-MOVEMENT-SURFACE-SHOULDER-REPRESENTATION Identifier

The identifier that represents a specific AIRCRAFT-MOVEMENT-SURFACE-SHOULDER.

Data Type: Character-String **Length:** 35

AIRCRAFT-MOVEMENT-SURFACE-SHOULDER-REPRESENTATION Surface Composition Code

The visible material or composition of the major portion of the surface.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC103	Snow/Ice
SMC107	Steel
SMC116	Water
SMC16	Clay
SMC20	Composition
SMC202	Bituminous
SMC203	Laterite
SMC21	Concrete
SMC24	Coral
SMC45	Grass
SMC46	Gravel
SMC5	Asphalt
SMC57	Macadam
SMC74	Plastic
SMC88	Sand
SMC9	Brick
SMC999	Tarmac

AIRCRAFT-MOVEMENT-SURFACE-SHOULDER-REPRESENTATION Width Dimension

The shortest linear distance between the edges of the AIRCRAFT-MOVEMENT-SURFACE-SHOULDER.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

AIRCRAFT-PARKING-AREA-SPOT

An aircraft parking space within an AIRCRAFT-PARKING-AREA.

AIRCRAFT-PARKING-AREA-SPOT Availability Code

The code that indicates the availability of an AIRCRAFT-PARKING-AREA-SPOT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Available
E	Estimated
N	None
U	Unknown

AIRCRAFT-PARKING-AREA-SPOT Explosive Limit Weight

The weight of the maximum amount of munitions (explosives) allowed in a AIRCRAFT-PARKING-AREA-SPOT.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Pounds

AIRCRAFT-PARKING-AREA-SPOT Ground Point Code

The code that represents whether grounding points are preset at a AIRCRAFT-PARKING-AREA-SPOT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Ground Points
2	No Ground Points

AIRCRAFT-PARKING-AREA-SPOT Identifier

The identifier that represents an AIRCRAFT-PARKING-AREA-SPOT.

Data Type: Character-String **Length:** 35

AIRCRAFT-PARKING-AREA-SPOT Jacking Area Code

The code that indicates whether an AIRCRAFT-PARKING-AREA-SPOT accommodates aircraft mechanical lifting.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Jacking Area
2	Non-Jacking Area

AIRCRAFT-PARKING-AREA-SPOT Tie Down Code

The code that represents whether tie-downs are present at an AIRCRAFT-PARKING-AREA-SPOT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Tie Downs
2	No Tie Downs

AIRCRAFT-TYPE

A classification of a device designed to be capable of atmospheric flight.

AIRCRAFT-TYPE Category Code

The code that represents the category of AIRCRAFT-TYPE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Commercial-Aircraft-Type
F	Foreign-Aircraft-Type
M	Military-Aircraft-Type

AIRCRAFT-TYPE Description Text

The text describing a particular AIRCRAFT-TYPE.

Data Type: Character-String **Length:** 60

AIRCRAFT-TYPE Identifier

The identifier which represents a specific AIRCRAFT-TYPE.

Data Type: Character-String **Length:** 10

AIRPORT

An area which has been prepared for the accommodation, landing, and take-off of aircraft.

AIRPORT Coordinate Derivation Type Code

The code indicating the method used to determine the Airport Reference Point (ARP) coordinate.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
D	Cartometric (map-derived)
G	Geodetic
I	Imagery derived
ID	Imagery, Measured Directly on DPPDB Source
IE	Imagery, Imagery Controlled to DPPDB Reference
IH	Imagery, Measured Directly on Hi-Res PPDB Source
II	Imagery, Image Data Exploitation (IDEX)
IJ	Imagery, Imagery Controlled to Hi-Res PPDB Reference
IL	Imagery derived, light table (LTMS)
IM	Imagery, Measured Directly on MK-85 PPDB Source
IN	Imagery, Imagery Controlled to MK-85 PPDB Reference
IS	Imagery, Imagery with Exploitation Support Data (ESD)
IT	Imagery, Measurements Derived from ESD of Multiple Images
IX	Imagery, Imagery Controlled to other MC&G Reference
K	Conventional (map-derived)
NP	Imagery, NIMA Points Program
O	Other, Explain in Remarks
OS	Official Standard (Provided by DIA, NIMA, State Dept., etc.
P	Global Position System (GPS); first order survey
PM	GPS Military Mode, 16 meter accuracy
PS	GPS Standard Mode, 100 meter accuracy
R	Reference Point Graphic has been produced
RM	Imagery, Rapid Positioning Capability, Mono
RS	Imagery, Rapid Positioning Capability (RPC), Stereo
U	Unknown
Z	Inconclusive Analysis

AIRPORT Existence Code

The degree of confidence associated within the existence of the AIRPORT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS27	Closed/Locked
EXS28	Operational
EXS5	Under Construction
EXS59	Not Usable
EXS6	Abandoned/Disused
EXS62	Partially Destroyed
EXS66	Damaged
EXS68	Confirmed
EXS69	Probable
EXS7	Destroyed
EXS70	Tenuous

AIRPORT Frequency Type Code

The code that indicates the frequency with which the airport is used.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Day-to-day routine use
2	Infrequent, emergency use

AIRPORT Identifier

The identifier that represents an AIRPORT.

Data Type: Character-String **Length:** 4

AIRPORT Name

The official name of the AIRPORT as designated by the operating agency, FAA or by official publications of the country in which the AIRPORT is located.

Data Type: Character-String **Length:** 80

AIRPORT Pilot Control Light Indicator Code

The code that represents whether a pilot can activate AIRPORT lighting from an aircraft.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Pilot Control Light
2	No Pilot Control Light

AIRPORT Primary Use Code

The code that represents the primary use of an AIRPORT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE157	Passenger
USE158	Cargo
USE159	Training
USE160	Defense
USE22	Joint Military/Civilian
USE48	Decoy
USE49	Civilian/Public
USE6	Private
USE8	Military
USE999	Other

AIRPORT Remarks Text

The text of remarks about an AIRPORT.

Data Type: Character-String **Length:** 250

AIRPORT Seaplane Support Code **New**

The code that indicates whether seaplanes are supported at this AIRPORT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Installation supports seaplanes
2	Installation does not support seaplanes

AIRPORT Status Code

The code that represents the operational status of an AIRPORT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ASC1	Fully Operational
ASC10	Limited Operation (Damaged)
ASC11	Destroyed
ASC12	Unknown
ASC2	Limited Operation
ASC3	Under Construction Unusable
ASC4	Abandoned/Usable
ASC5	Abandoned/Unusable
ASC6	Closed
ASC7	Captured
ASC8	Continuous Operation
ASC9	Limited Operation (Daylight Only)

AIRPORT Support Facilities Existence Type Code

A code indicating whether a certain set of support facilities exists at an airport.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Airport has the following set of facilities: Air Traffic Control, runway lighting, fuel & maintenance.
2	Airport does not have one or more of the items in the following set of facilities: Air Traffic Control, runway lighting, fuel & maintenance.

AIRPORT Time Zone Conversion Quantity

The number of hours to be added to or subtracted from UTC to obtain local standard time.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1

Min Value: 0 **Max Value:** 23.9 **Unit of Measure:** Hours

AIRPORT Time Zone Identifier

The identifier that represents the time zone where an AIRPORT is located.

Data Type: Character-String **Length:** 10

AIRPORT Type Code

The code that represents the type of AIRPORT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Active Civil Airports controlled and operated by civil authorities primarily for use by civil aircraft, although military may have landing privileges and/or contract rights.
B	Active Joint Airports (Civil and Military) controlled jointly, used and/or operated by both civil and military agencies.
C	Active Military Airports controlled and operated by military authorities primarily for use by military aircraft, although civil aircraft my have landing privileges and/or contracts rights.
D	Active Airports having permanent type surface runways with less than the minimum facilities required for A, B, or C airports. Airports under construction with no runway yet usable, are included in this category.
E	Airfields which have usable runways or landing areas, but which are abandoned or closed on a permanent, indefinite or temporary basis.
F	Highway strips. A road segment designed, maintained, and used for the take-off and landing of aircraft. Preparations can include barriers to stop vehicle traffic, runway markings on the roadway, lighting and possibly other facilities.
G	Airfields (or former airfields) that are visible from the air but are unusable for landing or take-off, regardless of the runway or landing area length or surface, due to the deterioration of the runways or landing areas or other hazardous conditions.
H	Active military heliport with the same minimum facilities as a "A" airfield, including former airfields which are now used solely for helicopter operations.
J	Active civil heliport with the same minimum facilities as a "A" airfield, including former airfields which are now used solely for helicopter operations.
K	Active military heliport with less than the minimum facilities required of an "A" airfield, including former airfields which are now used solely for helicopter operations.
L	Active civil heliport with less than the minimum facilities required of an "A" airfield, including former airfields which are now used solely for helicopter operations.
X	Decoy airefields that are not capable of supporting any aircraft operations but are designed to resemble a usable airfield from the air.

AIRPORT Usability Type Code

A code that indicates the usability of the airport for the take-off and landing of aircraft.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Usable, in good physical condition, can be used for landing or take-off of aircraft
2	Unusable, in poor physical condition, aircraft cannot take-off or land

AIRPORT User Type Code

A code indicating the type of operator or user of an instance of AIRPORT.

Data Type: Character-String **Length:** 8

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE23	International
USE4	National
USE49	Civilian/Public
USE5	State
USE6	Private
USE8	Military
USE999	Other

AIRPORT-AERONAUTICAL-NAVIGATIONAL-AID

The association between an instance of AIRPORT and a specific AERONAUTICAL-NAVIGATIONAL-AID.

AIRPORT-AERONAUTICAL-NAVIGATIONAL-AID Remarks Text

The text that describes any additional information about an AIRPORT-AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Character-String **Length:** 250

AIRPORT-AIR-TRAFFIC-CONTROL

An airspace management capability of an airport.

AIRPORT-AIR-TRAFFIC-CONTROL Condition Type Code

The code that represents the type of aircraft movement and the conditions under which the maximum number of arrivals/departures per hour can be attained.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Arrivals when arrivals have priority over departures.
2	Departures when the maximum number of arrivals also occurs.
3	Departures when there are no arrivals.

AIRPORT-AIR-TRAFFIC-CONTROL Flight Rule Code

The code that represents the flight rule standard used by AIRPORT-AIR-TRAFFIC-CONTROL.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
I	Instrument Flight Rules (IFR)
V	Visual Flight Rules (VFR)

AIRPORT-AIR-TRAFFIC-CONTROL Maximum Arrival and Departure Quantity

The maximum number of arrivals or departures per hour under the conditions described in AIRPORT-AIR-TRAFFIC-CONTROL Condition Code using the flight rule standard.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 999 **Unit of Measure:** Each

AIRPORT-COMMUNICATION-FACILITY

A facility located at an airport which houses the equipment necessary to establish communications with an aircraft.

AIRPORT-COMMUNICATION-FACILITY Call Sign Identifier

The call sign of the communications facility other than the name of the referenced airport or heliport.

Data Type: Character-String **Length:** 20

AIRPORT-COMMUNICATION-FACILITY Code

A code uniquely identifying the type of communications facility.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
A/D	APPROACH/DEPARTURE CONTROL
A/G	AIR/GROUND
AAS	AIRPORT ADVISORY SERVICE
ACC	AREA CONTROL CENTER
ACP	AIRLIFT COMMAND POST
AFIS	AERODROME FLIGHT INFO SERVICE
APP	APPROACH CONTROL
ARR	ARRIVAL CONTROL
ARSA	AIRPORT RADAR SERVICE AREA
ARTC	AIR ROUTE TRAFFIC CONTROL
ASOS	AUTOMATED SURFACE OBSERVATION SYSTEM
ATIS	AUTOMATIC TERMINAL INFORMATION SERVICE
AWOS	AUTOMATIC WEATHER OBSERVING STATION
CAC	CENTRALIZED APPROACH CONTROL
CLD	CLEARANCE DELIVERY
CNTR	AIR ROUTE TRAFFIC CONTROL CENTER
CTAF	COMMON TRAFFIC ADVISORY FREQUENCY
DEP	DEPARTURE CONTROL
DIR	DIRECTOR (RADAR/APPROACH CONTROL)
EMR	EMERGENCY
FSS	FLIGHT SERVICE STATION
GCA	GROUND CONTROL APPROACH
GCCD	GROUND CONTROL/CLEARANCE DELIVERY
GCO	GROUND COMMUNICATIONS OUTLET
GND	GROUND CONTROL
GTE	GATE CONTROL
HEL	HELICOPTER FREQUENCY
INFO	INFORMATION
MISC	MISCELLANEOUS
MULT	MULTICOM
ODP	PARAMETERS (FRENCH RADIO)
OPS	OPERATIONS
PFLT	PREFLIGHT
PMSV	PILOT TO METRO SERVICE
POST	COMMAND POST
PTD	PILOT TO DISPATCHER
RCO	REMOTE COMMUNICATIONS OUTLET
RDO	RADIO
RDR	RADAR ONLY FREQUENCY
RFSS	REMOTE FLIGHT SERVICE STATION

RMP	RAMP CONTROL
SFA	SINGLE FREQUENCY APPROACH
TCA	TERMINAL CONTROL AREA
TRSA	TERMINAL RADAR SERVICE AREA
TWR	TOWER
UNIC	UNICOM OR CTAF/UNICOM

AIRPORT-COMMUNICATION-FACILITY Emergency Frequency Monitoring Code

A code indicating the type of emergency frequency monitoring in use.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	VHF and UHF Emergency Frequencies Monitored
U	UHF Emergency Frequency 243.0 Monitored
V	VHF Emergency Frequency 121.5 Monitored

AIRPORT-COMMUNICATION-FACILITY Radar Capability Indicator Code

A code that indicates whether the communication facility has radar capability.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No radar capability
R	Radar Capability

AIRPORT-COMMUNICATION-FACILITY Remarks Text

Information determined to be essential expressed in human readable form.

Data Type: Character-String **Length:** 80

AIRPORT-COMMUNICATION-FACILITY Sector Text

Text describing the area within which the frequencies are to be used/effective.

Data Type: Character-String **Length:** 80

AIRPORT-COMMUNICATION-FACILITY-FREQUENCY

The frequency designated for use within the AIRPORT-COMMUNICATION-FACILITY.

AIRPORT-COMMUNICATION-FACILITY-FREQUENCY Operating Hours Text

The text describing the operating hours of a specific frequency or frequencies when the operating hours are not the same as the airport operating hours.

Data Type: Character-String **Length:** 250

AIRPORT-COMMUNICATION-FACILITY-FREQUENCY Rate

The appropriate frequency(ies) which allow communication with the identified facility.

Data Type: Integer **Length:** 12 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1e+012 **Unit of Measure:** Hertz

AIRPORT-DESIGNATOR

A designator for a specific AIRPORT, assigned by the operating agency, FAA, or by official publications of the country in which the airport is located.

AIRPORT-DESIGNATOR Assignor Type Code

A code that indicates the type of entity assigning an AIRPORT-DESIGNATOR to an AIRPORT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Host Nation
2	International Civil Aviation Organization

AIRPORT-DESIGNATOR Status Code

The code which represents the status of an AIRPORT-DESIGNATOR.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AL	Alternate
PR	Primary
PV	Previous

AIRPORT-DESIGNATOR Text

An identifier for an AIRPORT as designated by the operating agency, FAA or by official publication of the country in which the airport is located.

Data Type: Character-String **Length:** 38

AIRPORT-INSPECTION

An assessment to determine whether AIRPORT operations are in compliance with the appropriate regulations.

AIRPORT-INSPECTION Date

The date on which an AIRPORT-INSPECTION is conducted.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** Date

AIRPORT-LIGHTING

The association of a specific AIRPORT with a specific LIGHTING-SYSTEM-TYPE.

AIRPORT-LIGHTING Remarks Text

A listing of the various types of obstruction, approach, runway, VASI, taxiway, apron, and/or hardstand lighting which are available, including any significant lighting comments.

Data Type: Character-String **Length:** 864

AIRPORT-PORT

An association between a specific airport and a specific port.

AIRPORT-PORT Availability Code

The code indicating the availability of a port to the AIRPORT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Available
E	Estimated
N	None
U	Unknown

AIRPORT-PORT Waterway Type Code

A code indicating the type of navigable waterway available to the AIRPORT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Canal
F	Ocean Port
L	Lake Port
R	River Port

AIRPORT-REFERENCE-OBJECT

A type of REFERENCE-OBJECT.

AIRPORT-REPRESENTATION

A model of an AIRPORT.

AIRPORT-REPRESENTATION Airport Type Code **New**

Code indicating the unique airfield type.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
APT1	Major Airfield
APT11	Heliport at Hospitals
APT2	Minor Airfield
APT9	Heliport
APT999	Other

AIRPORT-REPRESENTATION Area **New**

The absolute area within the delineation of the AIRPORT-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

AIRPORT-REPRESENTATION Certainty of Delineation Code **New**

Code that indicates the knowledge of the AIRPORT's limits or information.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

AIRPORT-REPRESENTATION Elevation Dimension

The highest point on the usable landing surface at an AIRPORT.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	-200	**Max Value:**	10000	**Unit of Measure:**	Meters

AIRPORT-REPRESENTATION Installation Azimuth Angle

The angle as measured clockwise from true north along the longest side of a minimum bounding rectangle drawn around the entire airport.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	359	**Unit of Measure:**	Degrees

AIRPORT-REPRESENTATION Installation Length Dimension

The length of the long axis of the minimum bounding rectangle drawn around the entire airport.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	Feet

AIRPORT-REPRESENTATION Installation Width Dimension

The length of the short axis of the minimum bounding rectangle drawn around the entire airport .

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	Feet

AIRPORT-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the AIRPORT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC103	Snow/Ice
SMC107	Steel
SMC16	Clay
SMC20	Composition
SMC21	Concrete
SMC22	Conglomerate
SMC24	Coral
SMC257	Ice
SMC258	Snow
SMC30	Earthen
SMC46	Gravel
SMC5	Asphalt
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC83	Reinforced Concrete
SMC9	Brick
SMC999	Other

AIRPORT-ROAD

An association between a specific airport and a specific road.

AIRPORT-TRAIT

A group of features associated with an airport.

AIRPORT-TRAIT Availability Code

The availability of a particular AIRPORT feature at the designated airport.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Available
E	Estimated Available
N	None Available
U	Unknown, no basis for estimate

AIRPORT-TRAIT Type Code

The code which identifies the trait type available at an airport.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Bunker
02	Hangar
03	Apron
08	Crash Equipment
09	Fire Equipment
10	Hardstand
11	Air/Ground Communications
12	Approach Control Services
13	Air Surveillance Radar Approach Service
14	Radio Direction Finder Capability
15	Distance Measuring Equipment
16	ILS/MLS Instrument Approaches
17	Non-Directional Radio Beacon
18	Precision Approach Radar Instrument Approaches
19	Tactical Navigation Range
20	Tower Control Services
21	Very High Frequency Onmi-directional Radio Range
22	Co-located VHF Omni-Directional Range & Tactical Air Navigation range
23	Taxiway
24	Aircraft Parking Area

AIRSPACE

A volume of space within which aircraft may be subjected to air traffic control.

AIRSPACE Airspace Use Limitation Code **New**

Airspace wherein activities must be confined because of their nature and/or wherein limitations may be imposed upon aircraft operations.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AUL0	Unknown
AUL1	Danger Area
AUL2	Prohibited Area
AUL28	Military Operating Area (MOA)
AUL3	Restricted Area
AUL5	Alert Area
AUL6	Warning Area
AUL9	Temporary Reserved Airspace (TRA)

AIRSPACE Call Sign Name

The call sign of the communications facilities other than the name of the referenced BOUNDARY-AIRSPACE or controlling authority.

Data Type: Character-String **Length:** 20

AIRSPACE Communications Frequency 1 Rate

The first frequency allowing communications with air traffic service within an AIRSPACE.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999999 **Unit of Measure:** Hertz

AIRSPACE Communications Frequency 2 Rate

The second frequency allowing communications with air traffic service within an AIRSPACE.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999999 **Unit of Measure:** Hertz

AIRSPACE Flight Level 1 Altitude Dimension **New**

A minimum surface of constant atmospheric pressure that is related to a specific pressure datum (1,013.2 hectopascal (hPa) of 29.92 inches) and is separated from the consecutive flight levels by a pressure interval corresponding to 500 feet (152.4 m).

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Feet

AIRSPACE Flight Level 2 Altitude Dimension **New**

A maximum surface of constant atmospheric pressure that is related to a specific pressure datum (1,013.2 hectopascal (hPa) of 29.92 inches) and is seperated from the consecutive flight levels by a pressure interval corresponding to 500 feet (152.4 m).

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Feet

AIRSPACE Highest Above Ground Level Height Dimension **New**

Height (AGL - above ground level) above surface level to the highest portion of the feature.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Feet

AIRSPACE Identifier

The identifier that represents an AIRSPACE.

Data Type: Character-String **Length:** 15

AIRSPACE Level Code

The code that represents the AIRSPACE structure in which the AIRSPACE-BOUNDARY is effective.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ATL0	Unknown
ATL1	Both
ATL2	High Level (FL195)
ATL3	Low Level (FL195)

AIRSPACE Lower Altitude Dimension

The lowest altitude above sea level defining a specific AIRSPACE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Feet

AIRSPACE Lowest Above Ground Level Height Dimension **New**

Height (AGL - above ground level) above surface level to the lowest portion of the feature

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Feet

AIRSPACE Operating Hours Text

The text describing the authorized periods of operation of an AIRSPACE.

Data Type: Character-String **Length:** 38

AIRSPACE Remarks Text

The text describing any additional remarks about an AIRSPACE.

Data Type: Character-String **Length:** 240

AIRSPACE Type Code

The code that represents the type of AIRSPACE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AUA74	AIR-REFUELING-AREA
X	SPECIAL-USE-AIRSPACE
Z	AIRSPACE-BOUNDARY

AIRSPACE Upper Altitude Dimension

The highest altitude above sea level defining a specific AIRSPACE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 200 **Max Value:** 99999 **Unit of Measure:** Feet

AIRSPACE Usage Code **New**

A code indicating the the primary user of the AIRSPACE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AUA0	Unknown
AUA10	Danger Area
AUA13	Flight Information Region (FIR)
AUA2	Air Defense Identification Zone (ADIZ)
AUA20	Military Operations Area (MOA)
AUA21	Military Terminal Control Area (MTCA)
AUA22	Military Upper Control Area (MUCA)
AUA23	Oceanic Control Area (non-FAA) (OCA)
AUA25	Prohibited Area
AUA29	Restricted Area
AUA34	Terminal Control Area (TCA)
AUA36	Special Operations Area (Air)
AUA39	Upper Control Area (UTA)
AUA4	Alert Area
AUA40	Upper Flight Information Region (UIR)
AUA41	Warning Area
AUA46	Controlled Airspace
AUA54	Non-Free Flying Area
AUA6	Buffer Zone (BZ)
AUA70	Oceanic Control Area (FAA) (OCA)
AUA8	Control Area (CTA)
AUA9	Control Zone (CTLZ)
AUA998	Not Applicable

AIRSPACE-BOUNDARY

Designated airspace within which some or all aircraft may be subject to air traffic control.

AIRSPACE-BOUNDARY Required Navigation Performance Dimension

Statement of the navigation performance accuracy necessary for operation within a AIRSPACE.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99.9 **Unit of Measure:** Nautical Miles

AIRSPACE-BOUNDARY Boundary Type Code

A code assigned to a specific type of AIRSPACE-BOUNDARY. Boundry is based on intended use oif the airspace.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AUA1	Advisory Area (ADA) or (UDA)
AUA13	Flight Information Region (FIR)
AUA2	Air Defense Identification Zone (ADIZ)
AUA23	Ocean Control Area (OCA)
AUA28	RADAR Area
AUA3	Air Route Traffic Control Center (ARTCC)
AUA34	Terminal Control Area (TCA) or (MTCA)
AUA40	Upper Flight Information Region (UIR) (DAFIF)
AUA5	Area Control Center (ACC)
AUA6	Buffer Zone (BZ)
AUA8	Conttrol Area (CTA) (UTA)
AUA9	Control Zone (CTLZ) Special Rules Zone (SRZ, U.K. only)

AIRSPACE-BOUNDARY Class Code

A code assigned to a specific class of AIRSPACE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
ICL1	Class A
ICL2	Class B
ICL3	Class C
ICL4	Class D
ICL5	Class E
ICL6	Class F
ICL7	Class G

AIRSPACE-BOUNDARY Class Exception Remarks Text

Remarks regarding the circumstances when an exception to the class indicated is in effect in an AIRSPACE-BOUNDARY.

Data Type: Character-String **Length:** 255

AIRSPACE-BOUNDARY Identifier **New**

The identifier that represents an AIRSPACE-BOUNDARY.

Data Type: Character-String **Length:** 7

AIRSPACE-BOUNDARY Use Code **New**

The code that indicates the airspace use designation.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AUB0	Unknown
AUB1	Flight Information Region (FIR)
AUB13	Area Control Center (ACC)
AUB14	Radar Area
AUB19	Upper Information Region (UIR)
AUB20	Upper Control Area
AUB23	Control Area (CTA)
AUB24	Special Rules Area
AUB29	Oceanic Control Area (non-FAA) (OCA)
AUB3	Control Zone (CTZ/CTR)
AUB30	Oceanic Control Area (FAA) (OCA)
AUB32	Air Defense Identification Zone (ADIZ)
AUB33	Buffer Zone
AUB4	Military (CTZ/CTR)
AUB58	Air Route Traffic Control Center (ARTCC)
AUB7	Advisory Area (ADA)
AUB8	Terminal Control Area (TCA) Military TCA (MTMA)

AIRSPACE-BOUNDARY-SEGMENT

A uniquely identifiable portion of the horizontal limits of a designated AIRSPACE-BOUNDARY, such that a contiguous set of one or more segments forms the horizontal limits of the designated AIRSPACE-BOUNDARY.

AIRSPACE-BOUNDARY-SEGMENT Airspace Identifier **New**

A set of characters that enables an individual airspace to be uniquely identified.

Data Type: Character-String **Length:** 256

ALKALI-FLATS

A sterile plain containing an excess of surface alkali deposits usually occurring in the bottom of an under drained basin in an arid or semi-arid region.

AMUSEMENT-PARK-ATTRACTION

A large structure located in an Amusement Park.

AMUSEMENT-PARK-ATTRACTION-REPRESENTATION

A model of an AMUSEMENT-PARK-ATTRACTION.

AMUSEMENT-PARK-ATTRACTION-REPRESENTATION Existence Category Code

The state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

AMUSEMENT-PARK-ATTRACTION-REPRESENTATION Guyed Category Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

AMUSEMENT-PARK-ATTRACTION-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

AMUSEMENT-PARK-ATTRACTION-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

AMUSEMENT-PARK-ATTRACTION-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC30	Earthen
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

ANCHOR

Device normally placed on the sea bottom and attached to a cable or rope used to position a vessel, boat, or any other floating structure.

ANCHOR Identifier

The identifier that represents an ANCHOR.

Data Type: Character-String **Length:** 35

ANCHOR-BERTH

A designated area of water where a single vessel may anchor.

ANCHOR-BERTH Identifier

The identifier that represents a specific ANCHOR-BERTH.

Data Type: Character-String **Length:** 35

ANCHOR-BERTH Swinging Circle Radius Dimension

The specific radius of a circle established around an ANCHOR-BERTH to allow a vessel to rotate around its anchoring point.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 1 **Max Value:** 500 **Unit of Measure:** Meters

ANCHORAGE

A designated area of water which vessels may anchor.

ANCHORAGE Identifier

The identifier that represents an ANCHORAGE.

Data Type: Character-String **Length:** 35

ANCHORAGE Type Code

The code that represents a specific kind of ANCHORAGE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
MAC0	Unknown
MAC11	Anchorage (General)
MAC12	Anchoring Berths
MAC13	Explosives Anchorage
MAC14	Large Vessel/Deep Water/Deep Draft Anchorage
MAC16	Quarantine Anchorage
MAC17	Reserved Anchorage
MAC19	Tanker Anchorage
MAC53	Sea Plane
MAC54	Time Limited
MAC95	Sea Plane Anchorage

ANCHORAGE-REPRESENTATION

A model of an ANCHORAGE.

ANCHORAGE-REPRESENTATION Activity Time **New**

The time, expressed in hours of duration, for which an activity is permitted.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 24 **Unit of Measure:** Hour

ANCHORAGE-REPRESENTATION Area **New**

The absolute area within the delineation of the ANCHORAGE-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

ANCHORAGE-REPRESENTATION Certainty of Delineation Code **New**

The code that indicates knowledge of the feature's limits or information.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

ANCHORAGE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the ANCHORAGE-REPRESENTATION. For a round ANCHORAGE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

ANCHORAGE-REPRESENTATION Maritime Area Category Code **New**

Area in which certain activities or factors of significance to navigation or operations apply.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
MAC0	Unknown
MAC11	Anchorage (general)
MAC12	Anchorage Berths
MAC13	Explosives Anchorage
MAC14	Large Vessel/Deep Water/Deep Draft anchorage
MAC16	Quarantine Anchorage
MAC17	Reserved Anchorage
MAC19	Tanker Anchorage
MAC53	Seaplane
MAC54	Time Limited
MAC95	Seaplane Anchorage

ANCHORAGE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the ANCHORAGE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC116	Water
SMC64	Metal
SMC72	Part Metal

ANCHORING-PROHIBITED-AREA-REPRESENTATION

A type of DESIGNATED-MARITIME-AREA-REPRESENTATION-RESTRICTED-AREA in which some or all vessels are not permitted to anchor.

ANCHORING-PROHIBITED-AREA-REPRESENTATION Vessel Type Text

The type of vessel prohibited from anchoring in an area.

Data Type: Character-String **Length:** 250

ANCIENT-AREA

A set of features with similar attributes and characteristics as an ANCIENT-AREA.

ANCIENT-AREA-REPRESENTATION Type Code

The code that indicates the type of ANCIENT-AREA.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Archaeological Site (AL020)
2	Ruins (AL200)
3	Historic Site (AL201)

ANCIENT-AREA-REPRESENTATION

A model of an ANCIENT-AREA.

ANCIENT-AREA-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the ANCIENT-AREA-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

ANCIENT-AREA-REPRESENTATION Hydrographic Depth Dimension

The depth of the feature below water, measured from the top or surface of the feature, referenced to a specified vertical datum.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: -20 **Max Value:** 400 **Unit of Measure:** Meters

ANCIENT-AREA-REPRESENTATION Hydrographic Depth/Height Code

The code that indicates information about the accuracy or availability of depth or uncovering height of a feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HDI10	Depth Known by Wire Drag
HDI12	Depth Unknown
HDI13	Uncovering Height Known
HDI14	Uncovering Height Unknown
HDI15	Not Applicable
HDI9	Depth Known by Other Than Wire Drag

ANCIENT-AREA-REPRESENTATION Hydrographic Drying Height Dimension

The height of the feature, which tidal waters cover and uncover, referenced to a specified vertical datum.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: -20 **Max Value:** 20 **Unit of Measure:** Meters

ANCIENT-AREA-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the ANCIENT-AREA-REPRESENTATION. For a round ANCIENT-AREA-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

ANCIENT-AREA-REPRESENTATION Location Category Code **New**

A code indicating the status of the ANCIENT-AREA-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC22	Off Shore
LOC8	On Ground Surface
LOC999	Other

ANCIENT-AREA-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

ANCIENT-AREA-REPRESENTATION Vertical Reference Code

The code that indicates the relative location referenced to sounding datum, unless otherwise indicated.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR4	Below Surface/Submerged
VRR8	Covers and Uncovers
VRR9	Not Applicable

ANIMAL-SANCTUARY-REPRESENTATION **New**

A model of a natural area set aside for the preservation and protection of wildlife.

APPROACH-MINIMA

The minimum descent altitude information for a given approach.

APPROACH-MINIMA Approach Type Text

Textual information describing the type of approach on which the minima data is based.

Data Type: Character-String **Length:** 16

APPROACH-MINIMA Remarks Text

Textual remarks describing the conditions which affect or change the published approach minimums.

Data Type: Character-String **Length:** 255

APPROACH-MINIMA-CATEGORY

The minimum descent altitude for a specific aircraft category on an approach.

APPROACH-MINIMA-CATEGORY Aircraft Approach Speed Category Code

The category that an aircraft is typed by, based on approach speed.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Type A Aircraft
B	Type B Aircraft
C	Type C Aircraft
D	Type D Aircraft
E	Type E Aircraft

APPROACH-MINIMA-CATEGORY Dimension

The measurement associated with the type of APPROACH-MINIMA-CATEGORY being executed.

Data Type: Character-String **Length:** 9

APPROACH-MINIMA-CATEGORY Type Code

A code indicating the types of information which comprise a set of minima data for an instrument approach procedure.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Runway Visibility (RVV)
2	Descent Height (DH)
3	Height Above Airport (HAA)
4	Height Above Touchdown (HAT)
5	Height Above Landing (HAL)
6	Weather Prevailing Visibility
7	Weather Ceiling
8	Decision Altitude (DA)
9	Minimum Descent Altitude (MDA)

APRON

A paved area accessible from a taxiway suitable for use or parking aircraft.

APRON Type Code

A code indicating the type of an instance of APRON.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Alert
B	Base Flight
D	Depot
H	Hangar
N	Decontamination Pad
O	Operational
P	Pad (Engine Test)
S	Stub
T	Transient
U	Unknown

AQUEDUCT

A manmade watercourse designed for the movement of water by gravity flow.

AQUEDUCT Type Code

The code that represents a type of AQUEDUCT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ATC0	Unknown
ATC1	Qanat/Kanat/Karez Shaft
ATC3	Underground Aqueduct
ATC999	Other
BH010	Potable-Water-Aqueduct
BH020	Canal
BH031	Irrigation-Ditch
BH032	Drainage-Ditch
BH060	Flume
BI039	Sluice

AQUEDUCT-BRIDGE

The association of a specific BRIDGE with a specific AQUEDUCT.

AQUEDUCT-REPRESENTATION **New**

A model of an AQUEDUCT.

AQUEDUCT-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the AQUEDUCT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone)
MCC83	Reinforced Concrete
MCC84	Rock/Rocky

AQUEDUCT-TUNNEL

The association of a specific AQUEDUCT with a specific TUNNEL.

AREA-RECREATION-STRUCTURE

A set of recreation structures that have similar attributes.

AREA-RECREATION-STRUCTURE Type Code

The code that indicates the type of AREA-RECREATION-STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AK030	Amusement Park
AK040	Athletic Field
AK050	Tennis Courts
AK060	Campground
AK090	Fairgrounds
AK100	Golf Course
AK120	Park
AK130	Race Track
AK170	Swimming Pool
AK180	Zoo/Safari Park
AK190	Fishing Pier

AREA-RECREATION-STRUCTURE-REPRESENTATION

A model of the set of AREA-RECREATION-STRUCTURE.

AREA-RECREATION-STRUCTURE-REPRESENTATION Area **New**

The absolute area within the delineation of the AREA-RECREATION-STRUCTURE.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0

Min Value: 0 **Max Value:** 999999999 **Unit of Measure:** .01 sq. meter

AREA-RECREATION-STRUCTURE-REPRESENTATION Conspicuous Category Code **New**

A code indicating the conspicuous nature of the AREA-RECREATION-STRUCTURE-REPRESENTATION under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

AREA-RECREATION-STRUCTURE-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS999	Other

AREA-RECREATION-STRUCTURE-REPRESENTATION Height Above Surface Level Dimension **New**

The distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the AREA-RECREATION-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

AREA-RECREATION-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the AREA-RECREATION-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

AREA-RECREATION-STRUCTURE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the AREA-RECREATION-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

AREA-RECREATION-STRUCTURE-REPRESENTATION Surface Material Category Code **New**

The code indicating the surface material composition excluding internal structural material of the AREA-RECREATION-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC104	Soil
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

AREA-RECREATION-STRUCTURE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the AREA-RECREATION-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ASPHALT-LAKE

A natural pool of liquid asphalt.

ASSEMBLY-PLANT

A building or group of buildings used for the purpose of combining manufactured parts to make a completed product.

ASSEMBLY-PLANT-REPRESENTATION

A model of an ASSEMBLY-PLANT.

ASSEMBLY-PLANT-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the ASSEMBLY-PLANT-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

ASSEMBLY-PLANT-REPRESENTATION Fabrication Type Code

Denotes the type of fabrication industry as light or heavy.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
FTP0	Unknown
FTP1	Light Fabrication
FTP2	Heavy Fabrication

ASSEMBLY-PLANT-REPRESENTATION Product Category Code

Principal material involved or product resulting from activity at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO1	Aircraft
PRO133	Telecommunications
PRO137	Automobiles and Trucks
PRO999	Other

ASSEMBLY-PLANT-REPRESENTATION Roof Density Rate **New**

The roof cover within the area of the ASSEMBLY-PLANT.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

ASSEMBLY-PLANT-REPRESENTATION Structure Roof Shape Code

Roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR41	Flat
SSR42	Gable (Pitched)
SSR47	Sawtooth
SSR55	Flat with Monitor
SSR64	Gable with Monitor
SSR999	Other

ASSEMBLY-PLANT-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

ASSESSMENT

The results of an examination of an object to determine its quality against a set of criteria.

ASSESSMENT Completion Date

The date on which an ASSESSMENT is completed.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

ASSESSMENT Completion Time

The time when an ASSESSMENT is completed.

Data Type: Date Time **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 235959 **Unit of Measure:** None

ASSESSMENT Identifier

The identifier that represents an ASSESSMENT.

Data Type: Character-String **Length:** 35

ASSESSMENT Item Type Code

The code that represents the type of item that is to be assessed.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	DATASET
02	GEOSPATIAL-FEATURE-REPRESENTATION
03	GEOSPATIAL-FEATURE-TYPE
04	POINT-COORDINATE
05	GEOSPATIAL-FEATURE-ATTRIBUTE
06	DATASET-SUBREGION
07	DATASET-SUBREGION-COMPONENT
08	BETWEEN-STEREO-PAIR

ASSESSMENT Type Code

The code that represents the type of ASSESSMENT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Qualitative
02	Quantitative
03	Specification

ASSESSMENT-ASSOCIATION

An association that describes the supporting relationship of one assessment to another assessment.

ASSESSMENT-ASSOCIATION Description Text

The description of the way in which one assessment supports another.

Data Type: Character-String **Length:** 1000

AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION

A HYDROGRAPHIC-AID-TO-NAVIGATION transmitting information by sound waves detectable by the human ear.

AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION Category Code

The code that represents a classification of an AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	BLAST-AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION
2	MORSE-CODE-AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION

AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION Period Seconds Quantity

The quantity of seconds between the commencement of two identical, successive cycles of an AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION signal.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Seconds

AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION Type Code

The code that represents a specific kind of AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SST0	Unknown
SST1	Bell
SST14	Whistle
SST15	Reed
SST16	None
SST2	Diaphone
SST3	Explosive Fog Signal
SST4	Gong
SST6	Horn
SST7	Nautophone
SST9	Siren
SST999	Other

AUTHORIZATION

The permission to execute a specified process by particular individuals, at a particular facility or work location with particular materials.

AUTHORIZATION Identifier

The identifier that represents for a particular AUTHORIZATION.

Data Type: Character-String **Length:** 12

AUTHORIZATION Type Code

The code that represents the type of AUTHORIZATION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	AUTHORIZATION-LICENSE
02	AUTHORIZATION-CODEWORD
03	AUTHORIZATION-RELEASABILITY
04	AUTHORIZATION-CLASSIFICATION

AUTHORIZATION-CODEWORD

An AUTHORIZATION based on codeword criteria.

AUTHORIZATION-LICENSE

An AUTHORIZATION based on LICENSE criteria.

AUTHORIZATION-RELEASABILITY

An AUTHORIZATION based on releasability criteria.

AUTHORIZATION-SECURITY-CLASSIFICATION

An AUTHORIZATION based on classification criteria.

AUTHORIZED-CLASSIFYING-PERSON

The designated individual classified to authorize material.

AUTHORIZED-CLASSIFYING-PERSON Personal Number Identifier

The numerical identifier that represents the designated individual classified to authorize materiel.

Data Type: Character-String **Length:** 5

AUTOMOTIVE-PARKING-AREA

A designated area on land to accommodate stationary vehicles.

AUTOMOTIVE-PARKING-AREA Identifier

The identifier that represents an AUTOMOTIVE-PARKING-AREA.

Data Type: Character-String **Length:** 35

AUTOMOTIVE-PARKING-AREA Vehicle Type Code **New**

The type of vehicles parked in this area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC14	Bus
TUC22	Automotive
TUC31	Motor Cycle
TUC999	Other

AUTOMOTIVE-PARKING-AREA-REPRESENTATION

A model of an AUTOMOTIVE-PARKING-AREA.

AUTOMOTIVE-PARKING-AREA-REPRESENTATION Length Dimension

The length of the longest linear axis of an AUTOMOTIVE-PARKING-AREA.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	1
Min Value:	0	**Max Value:**	9999.9	**Unit of Measure:**	Meters

AUTOMOTIVE-PARKING-AREA-REPRESENTATION Maximum Entry Width Dimension

The maximum available width of the entrance to an AUTOMOTIVE-PARKING-AREA.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	1
Min Value:	0	**Max Value:**	9999.9	**Unit of Measure:**	Meters

AUTOMOTIVE-PARKING-AREA-REPRESENTATION Minimum Width Dimension

The minimum width within an AUTOMOTIVE-PARKING-AREA.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	1
Min Value:	0	**Max Value:**	9999.9	**Unit of Measure:**	Meters

AUTOMOTIVE-PARKING-AREA-REPRESENTATION Surface Area

The total available area for an AUTOMOTIVE-PARKING-AREA.

Data Type:	Floating-Point	**Length:**	12	**Decimal Count:**	1
Min Value:	0.01	**Max Value:**	999999999.9	**Unit of Measure:**	Square Meters

AUTOMOTIVE-PARKING-AREA-REPRESENTATION Surface Composition Code

The code that represents the primary surface composition of an AUTOMOTIVE-PARKING-AREA-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC108	Stone
SMC116	Water
SMC117	Wood
SMC200	Packed Dirt
SMC201	Steel Mesh
SMC21	Concrete
SMC24	Coral
SMC30	Earthen
SMC45	Grass
SMC46	Gravel
SMC5	Asphalt
SMC62	Masonry
SMC88	Sand
SMC96	Shells

AUTOMOTIVE-ROAD

A road that is designed for self-propelled vehicle movement.

AUTOMOTIVE-ROAD Administration Code

The code that represents the controlling authority responsible for an AUTOMOTIVE-ROAD.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE140	County
USE141	Parish
USE142	Township
USE16	City
USE33	Provincial
USE4	National
USE5	State
USE6	Private
USE7	Tribal
USE8	Military

BARREN-GROUND

Ground so disturbed as to have no identifiable coverage or land with no vegetative cover.

BARRIER

A permanent obstruction placed across a route to prevent vehicular traffic.

BARRIER-REPRESENTATION

A model of a BARRIER.

BARRIER-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the BARRIER-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BARRIER-REPRESENTATION Highest Z Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

BARRIER-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the BARRIER-REPRESENTATION. For a round BARRIER-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BARRIER-REPRESENTATION Location Category Code **New**

A code indicating the status of the BARRIER-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC 999	Other
LOC0	Unknown
LOC1	Above Surface/Does not Cover (Height Known)
LOC2	Awash at Chart Datum
LOC3	Dries/Covers (Height Unknown)
LOC4	Below Water Surface
LOC8	On Ground Surface

BARRIER-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the BARRIER-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC999	Other

BARRIER-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the BARRIER.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

BARRIER-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the BARRIER-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BASTION

A defensive wall built to defend a fort or other defensive work and sometimes equipped with guns.

BASTION Basic Encyclopedia Number **New**

A unique number associated with a BASTION in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

BASTION-REPRESENTATION

A model of BASTION.

BASTION-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

BASTION-REPRESENTATION Service Branch Code

Identifies a specific military organization.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU999	Other

BERTH

The place where a vessel lies when secured to a BERTHING-STRUCTURE.

BERTH Identifier

The identifier that represents a specific BERTH.

Data Type: Character-String **Length:** 35

BERTH Use Category Code

The code that represents the purpose for which a BERTH is optimized.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BUC1	Break Bulk (can transfer separate pieces in a ship hold)
BUC2	Container (equipped to transfer standard sized containers)
BUC3	Dry Bulk (can transfer such items as steel)
BUC4	Liquid Bulk (pipeline equipped)
BUC5	Naval (military)
BUC6	Passenger (cruise ship passenger load /unload)
BUC7	Roll-on Roll-off (ramps available for rolling cargo such as cars)
BUC8	Service (repair or maintenance)

BERTH-REPRESENTATION

A model of a BERTH.

BERTH-REPRESENTATION Harbor Facility Classification Code **New**

A code that tabulates the kind of operation/service.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
FHC0	Undefined
FHC1	Ro-Ro Terminal (Roll on, Roll off)
FHC10	Container Terminal
FHC2	Timber Yard
FHC3	Ferry Terminal
FHC4	Fishing Harbor
FHC5	Yacht Harbor/Marina
FHC6	Naval Base
FHC7	Tanker Terminal
FHC8	Passenger Terminal
FHC9	Shipyard

BERTH-REPRESENTATION Length Dimension

The length of a berth.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 10 **Max Value:** 500 **Unit of Measure:** Meters

BERTH-REPRESENTATION Maximum Breasting Distance Dimension

The maximum distance along which there can be physical contact between the hull of a vessel and a berthing structure.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 1 **Max Value:** 500 **Unit of Measure:** Meters

BERTH-REPRESENTATION Minimum Depth Dimension

The minimum depth of a BERTH-REPRESENTATION.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 1 **Max Value:** 50 **Unit of Measure:** Meters

BERTH-REPRESENTATION Width Dimension

The width of a BERTH-REPRESENTATION.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 10 **Max Value:** 100 **Unit of Measure:** Meters

BERTHING-STRUCTURE

A constructed area that provides a place where vessels may moor.

BERTHING-STRUCTURE Identifier

The identifier that represents a BERTHING-STRUCTURE.

Data Type: Character-String **Length:** 35

BERTHING-STRUCTURE Primary Construction Material Type Code

The code that represents the material that makes up the greatest part of the BERTHING-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC21	Concrete
MCC30	Earthen
MCC74	Plastic
MCC9	Brick

BERTHING-STRUCTURE Type Code

The code that represents the type of BERTHING-STRUCTURE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
BTT1	DECKED-BERTHING-STRUCTURE
BTT2	NON-DECKED-BERTHING-STRUCTURE

BERTHING-STRUCTURE-REPRESENTATION

A model of a BERTHING-STRUCTURE.

BERTHING-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the BERTHING-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

BERTHING-STRUCTURE-REPRESENTATION Length Dimension **New**

A model of a length of a BERTHING-STRUCTURE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: 5 **Max Value:** 5000 **Unit of Measure:** Meters

BERTHING-STRUCTURE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

BERTHING-STRUCTURE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the BERTHING-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BETWEEN-STEREO-PAIR-ASSESSMENT

An assessment of the points contained commonly between two or more STEREO-PAIRs.

BLAST-AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION

An AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION that emits a regular sound sequence.

BLAST-AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION Blast Quantity

The quantity of individual sound blasts emitted by a BLAST-AUDIBLE-HYDROGRAPHIC- AID-TO-NAVIGATION in a single period.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** Each

BLAST-AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION Signal Description Text

The text that describes the identifying signal transmitted by a Non MORSE-CODE- HYDROGRAPHIC-AID-TO-NAVIGATION signal.

Data Type: Character-String **Length:** 250

BLAST-FENCE

A barrier which diverts aircraft engine thrust.

BLAST-FENCE Identifier

The identifier that represents a BLAST-FENCE.

Data Type: Character-String **Length:** 35

BLAST-FENCE-REPRESENTATION

A model of a BLAST-FENCE.

BLAST-FENCE-REPRESENTATION Height Dimension

The height of a BLAST-FENCE.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 1 **Max Value:** 15 **Unit of Measure:** Meters

BLAST-FENCE-REPRESENTATION Length Dimension

The length of a BLAST-FENCE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 3000 **Unit of Measure:** Meters

BLAST-FENCE-REPRESENTATION Primary Construction Material Type Code

The code that represents the primary construction material of a BLAST-FENCE.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
MCC108	Stone
MCC117	Wood
MCC21	Concrete
MCC30	Earthen
MCC5	Asphalt
MCC64	Metal
MCC9	Brick
MCC999	Other

BLAST-FURNACE

A heat chamber used for smelting iron ore.

BLAST-FURNACE-REPRESENTATION

A model of a BLAST-FURNACE.

BLAST-FURNACE-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the BLAST-FURNACE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

BLAST-FURNACE-REPRESENTATION Highest Z Value Dimension **New**

Elevation above a given datum to the highest portion of the BLAST-FURNACE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

BLAST-FURNACE-REPRESENTATION Permanency Code

Indicates whether a BLAST-FURNACE is temporary or permanent.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

BLAST-FURNACE-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

BOAT-LIFT-REPRESENTATION

A model of a BOAT-LIFT.

BOG-REPRESENTATION

A model of a poorly drained or periodically flooded area, excluding tidal waters, with soil rich in plant residue.

BOG-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the BOG-REPRESENTATION. For a round BOG-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BOG-REPRESENTATION Type Code

The code that represents the type of bog.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BOC0	Unknown
BOC1	Palsa
BOC2	String
BOC999	Other

BOG-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the BOG-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BOOMING-GROUND-REPRESENTATION

A model of a water area enclosed by a line of connected, floating timbers.

BOOMING-GROUND-REPRESENTATION Area **New**

The absolute area within the delineation of the BOOMING-GROUND.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 2
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

BOOMING-GROUND-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

BOOMING-GROUND-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

BOTTOM-CHARACTERISTIC-REPRESENTATION

A model of the sea floor indicating its consistency, color and classification.

BOTTOM-CHARACTERISTIC-REPRESENTATION Primary Material Composition Code

The code that indicates the primary material of the sea floor.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC105	Spicules
MCC106	Sponge
MCC108	Stone
MCC111	Tufa
MCC12	Chalk
MCC14	Cinders
MCC15	Cirripedia
MCC16	Clay
MCC18	Cobble
MCC24	Coral
MCC25	Coral Head
MCC28	Diatoms
MCC36	Foraminifera
MCC37	Fucus
MCC4	Ash
MCC41	Globigerina
MCC45	Grass/Thatch
MCC46	Gravel
MCC48	Ground
MCC52	Lava
MCC58	Madrepores
MCC59	Manganese
MCC61	Marl
MCC63	Mattes
MCC65	Mud
MCC66	Mussels
MCC69	Ooze
MCC70	Oysters
MCC73	Pebbles
MCC75	Polyzoa
MCC78	Pteropods
MCC79	Pumice
MCC8	Boulders
MCC80	Quartz
MCC81	Radiolaria
MCC84	Rock/Rocky
MCC88	Sand
MCC90	Schist
MCC92	Scoria

MCC93	Sea Tangle
MCC94	Seaweed
MCC96	Shells
MCC98	Shingle
MCC99	Silt

BOTTOM-CHARACTERISTIC-REPRESENTATION Primary Physical Characteristic Code

The code that indicates the primary condition of the sea floor.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PSC0	Unknown
PSC1	Broken
PSC10	Stiff
PSC11	Streaky
PSC12	Tenacious
PSC13	Uneven
PSC17	Calcereous
PSC18	Flinty
PSC19	Glacial
PSC2	Coarse
PSC20	Ground
PSC21	Large
PSC22	Rocky
PSC23	Small
PSC24	Speckled
PSC25	Varied
PSC26	Volcanic
PSC27	Medium
PSC28	Springs in Seabed
PSC29	Mobile Bottom
PSC3	Decayed
PSC4	Fine, minute particles
PSC5	Gritty
PSC6	Hard
PSC7	Rotten
PSC8	Soft
PSC9	Sticky

BOTTOM-CHARACTERISTIC-REPRESENTATION Secondary Material Composition Code

The code that indicates the secondary material composition of the sea floor.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCS0	Unknown
MCS105	Spicules
MCS106	Sponge
MCS108	Stone
MCS111	Tufa
MCS12	Chalk
MCS14	Cinders
MCS15	Cirripedia
MCS16	Clay
MCS18	Cobble
MCS24	Coral
MCS25	Coral Head
MCS28	Diatoms
MCS36	Foraminifera
MCS37	Fucus
MCS4	Ash
MCS41	Globigerina
MCS45	Grass/Thatch
MCS46	Gravel
MCS48	Ground
MCS52	Lava
MCS58	Madrepores
MCS59	Manganese
MCS61	Marl
MCS63	Mattes
MCS65	Mud
MCS66	Mussels
MCS69	Ooze
MCS70	Oysters
MCS73	Pebbles
MCS75	Polyzoa
MCS78	Pteropods
MCS79	Pumice
MCS8	Boulders
MCS80	Quartz
MCS81	Radiolaria
MCS84	Rock/Rocky
MCS88	Sand
MCS90	Schist
MCS92	Scoria

MCS93	Sea Tangle
MCS94	Seaweed
MCS96	Shells
MCS98	Shingle
MCS99	Silt

BOTTOM-CHARACTERISTIC-REPRESENTATION Secondary Physical Condition Code

The code that indicates the secondary physical condition of the sea floor.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CSM0	Unknown
CSM1	Broken
CSM10	Stiff
CSM11	Streaky
CSM12	Tenacious
CSM13	Uneven
CSM17	Calcareous
CSM18	Flinty
CSM19	Glacial
CSM2	Coarse
CSM20	Ground
CSM21	Large
CSM22	Rocky
CSM23	Small
CSM24	Speckled
CSM25	Varied
CSM26	Volcanic
CSM27	Medium
CSM3	Decayed
CSM4	Fine, Minute Particles
CSM5	Gritty
CSM6	Hard
CSM7	Rotten
CSM8	Soft
CSM9	Sticky

BOTTOM-CHARACTERISTIC-REPRESENTATION Underlying Material Composition Code

The code that indicates the material of the Earth underlying the sea floor.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCU0	Unknown
MCU105	Spicules
MCU106	Sponge
MCU108	Stone
MCU111	Tufa
MCU12	Chalk
MCU14	Cinders
MCU15	Cirripedia
MCU16	Clay
MCU18	Cobble
MCU24	Coral
MCU25	Coral Head
MCU28	Diatoms
MCU36	Foraminifera
MCU37	Fucus
MCU4	Ash
MCU41	Globigerina
MCU45	Grass/Thatch
MCU46	Gravel
MCU48	Ground
MCU52	Lava
MCU58	Madrepores
MCU59	Manganese
MCU61	Marl
MCU63	Mattes
MCU65	Mud
MCU66	Mussels
MCU69	Ooze
MCU70	Oysters
MCU73	Pebbles
MCU75	Polyzoa
MCU78	Pteropods
MCU79	Pumice
MCU8	Boulders
MCU80	Quartz
MCU81	Radiolaria
MCU84	Rock/Rocky
MCU88	Sand
MCU9	Silt
MCU90	Schist

MCU92	Scoria
MCU93	Sea Tangle
MCU94	Seaweed
MCU96	Shells
MCU98	Shingle

BOTTOM-CHARACTERISTIC-REPRESENTATION Underlying Physical Characteristic Code

The code that indicates the condition of the material underlying the sea floor.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
UMC0	Unknown
UMC1	Broken
UMC10	Stiff
UMC11	Streaky
UMC12	Tenacious
UMC13	Uneven
UMC17	Calcareous
UMC18	Flinty
UMC19	Glacial
UMC2	Coarse
UMC20	Ground
UMC21	Large
UMC22	Rocky
UMC23	Small
UMC24	Speckled
UMC25	Varied
UMC26	Volcanic
UMC27	Medium
UMC3	Decayed
UMC4	Fine, Minute Particles
UMC5	Gritty
UMC6	Hard
UMC7	Rotten
UMC8	Soft
UMC9	Sticky

BOUNDED-FACE

A topological FACE bounded by an explicit RING.

BREAKWATER-REPRESENTATION **New**

A model of a structure which protects a shore area, harbor, anchorage, or basin from sea waves or swells by preventing them from reaching the protected area or reducing their magnitude.

BRIDGE

A man made structure spanning and providing passage over a body of water, depression, transportation route or other obstacle.

BRIDGE Basic Encyclopedia Number **New**

The unique number used to identify the BRIDGE in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

BRIDGE Bypass Condition Category Code **New**

The code indicating the ability to circumvent a destroyed section of bridge, tunnel or pass within a 2 kilometer distance on each side of the BRIDGE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
BCC0	Unknown Unknown
BCC1	Easy (Obstacle can be crossed within 2 KM of feature, no work)
BCC2	Difficult (Obstacle can be crossed within 2 KM of feature, work required)
BCC3	Impossible (Obstacle cannot be bypassed within 2 KM of feature)

BRIDGE Characteristics Reliability Code **New**

The code indicating the reliablility of the data source of the %entityname characteristics.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RBC0	Unknown
RBC1	Known
RBC2	Estimated

BRIDGE Design Load Code

The code that represents the live load for which the BRIDGE was designed.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BDL1	H10
BDL10	Unknown
BDL2	H15
BDL3	H20
BDL4	HS15
BDL5	HS20
BDL6	HS20 + MOD
BDL7	HS25
BDL8	Pedestrian
BDL9	Railroad

BRIDGE Guyed Code **New**

A code indicating the presence of support wires on the BRIDGE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

BRIDGE Horizontal Clearance Code **New**

The code indicating whether the distance available to pass a load that extends laterally on the BRIDGE is restricted.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HCC1	Restricted
HCC2	Unlimited

BRIDGE Identifier

The identifier that represents a specific BRIDGE.

Data Type: Character-String **Length:** 35

BRIDGE Military Interdiction Comments Text **New**

The text used to indicate whether the BRIDGE is subject to preplanned military interdiction.

Data Type: Character-String **Length:** 256

BRIDGE Opening Mechanism Code **New**

The code that represents the method by which a BRIDGE is opened.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BOT0	Unknown
BOT10	Swing
BOT11	Lift
BOT12	Retractable
BOT13	Not Applicable
BOT4	Draw/Bascule

BRIDGE Remarks Text

The text describing miscellaneous information for a BRIDGE.

Data Type: Character-String **Length:** 250

BRIDGE Source Category Code **New**

The code indicating the source from which the BRIDGE is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC1	Survey Source
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

BRIDGE Span Number **New**

The value indicating the number of spans in a bridge.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 999 **Unit of Measure:** Span

BRIDGE State Department Of Transportation Identifier

The identifier issued by a U.S. State's Government Department Of Transportation to identify BRIDGEs residing within that State's jurisdiction.

Data Type: Character-String **Length:** 35

BRIDGE Support Structure Type Code

Structural design characteristics for a BRIDGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BSC0	Unknown
BSC1	Arch (assume open spandrel)
BSC12	Transporter
BSC15	Slab
BSC16	Stringer (beam)
BSC17	Arch Suspension
BSC2	Cantilever
BSC26	Arch (closed spandrel)
BSC27	Cable Stayed
BSC3	Deck
BSC5	Floating Bridge/Pontoon
BSC6	Girder
BSC7	Tower Suspension
BSC8	Truss
BSC9	Suspension
BSC999	Other

BRIDGE Transportation Use Code **New**

A code indicating the primary user, function, or authority of the BRIDGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC17	Pedestrian
TUC3	Railroad
TUC38	Canal
TUC4	Road
TUC41	Aqueduct
TUC999	Other

BRIDGE Under Bridge Navigability Code **New**

The code indicating the whether the %entityname crosses navigable water.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OWO1	Feature crosses navigable water
OWO2	Feature does not cross navigable water

BRIDGE Viaduct Indicator Code

The code that represents whether or not a BRIDGE is classified as a viaduct.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Yes
2	No

BRIDGE-DECK

A structure of a BRIDGE-SPAN that supports the transportation medium.

BRIDGE-DECK Identifier

The identifier that represents a specific BRIDGE-DECK.

Data Type: Character-String **Length:** 1

BRIDGE-DECK Material Composition Code

The code that represents the type of construction material on a BRIDGE-DECK.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BDM1	Concrete cast-in-place
BDM2	Concrete pre-cast panels
BDM3	Open Grating
BDM4	Closed Grating
BDM5	Aluminum
BDM6	Timber
BDM7	Other
BDM8	Steel plate (including orthotopic)

BRIDGE-DECK-ROAD

An association of a specific BRIDGE-DECK with a specific ROAD.

BRIDGE-REPRESENTATION

A model of a BRIDGE.

BRIDGE-REPRESENTATION Azimuth Angle

The angle of orientation of a BRIDGE measured clockwise from true North.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Degrees

BRIDGE-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the BRIDGE-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

BRIDGE-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the BRIDGE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the BRIDGE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

BRIDGE-REPRESENTATION Horizontal Clearance Dimension **New**

The distance available on the BRIDGE-REPRESENTATION to pass a load that extends laterally beyond the wheels of a vehicle.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Decimeter

BRIDGE-REPRESENTATION Length Dimension

The distance between the extreme end points of the spanning structure where the bridge tread surface intersects the passageway surface measured along the center line length of a BRIDGE.

Data Type: Integer **Length:** 7 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99999.9 **Unit of Measure:** Meters

BRIDGE-REPRESENTATION Load Classification Type Code **New**

The code indicating the type of military load classification associated with the BRIDGE-REPRESENTATION.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
LC1	Load Class Type 1
LC2	Load Class Type 2
LC3	Load Class Type 3
LC4	Load Class Type 4

BRIDGE-REPRESENTATION Load Classification Weight **New**

The weight bearing capacity for a particular type of load classification for a BRIDGE-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999 **Unit of Measure:** Military Load Class

BRIDGE-REPRESENTATION Maximum Height Dimension

The highest point of a BRIDGE structure measured vertically from the lowest surface beneath a BRIDGE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Meters

BRIDGE-REPRESENTATION Maximum Outer Width Dimension

The maximum width dimension of the outer most portion of the BRIDGE measured perpendicular to the center line.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters

BRIDGE-REPRESENTATION Maximum Vertical Clearance Dimension **New**

The greatest distance between the traveled way on the BRIDGE-REPRESENTATION and any obstruction vertically above it.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-REPRESENTATION Minimum Traveled Way Width Dimension **New**

The minimum width of the BRIDGE-REPRESENTATION, excluding hard pavements and shoulders.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Decimeter

BRIDGE-REPRESENTATION Operational Status Code

The code that represents the operational status of a BRIDGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed
EXS999	Other

BRIDGE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

BRIDGE-REPRESENTATION Overhead Clearance Dimension **New**

The least distance between the BRIDGE-REPRESENTATION and any obstruction vertically above it (Ref. STANAG 2253)

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the BRIDGE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

BRIDGE-REPRESENTATION Physical Condition Code

The code that represents the physical condition of a BRIDGE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BPC1	Excellent
BPC10	Failed
BPC11	Unknown
BPC2	Very Good
BPC3	Good
BPC4	Satisfactory
BPC5	Fair
BPC6	Poor
BPC7	Serious
BPC8	Critical
BPC9	Imminent Failure

BRIDGE-REPRESENTATION Reliability Code **New**

Reliability of bridge characteristics and military load classification based upon data source.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RBC0	Unknown
RBC1	Known
RBC2	Estimated

BRIDGE-REPRESENTATION Safe Horizontal Clearance Dimension **New**

The minimum safe horizontal distance between adjacent structures on either side of a navigable channel under the BRIDGE-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** .1 meter

BRIDGE-REPRESENTATION Safe Vertical Clearance Dimension **New**

The minimum safe vertical clearance measured from the surface toward the BRIDGE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the BRIDGE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

BRIDGE-REPRESENTATION Underbridge Clearance Dimension **New**

The clearance below the bridge, measured from the lowest surface level to the base of the lower of either a cross beam or the lowest bridge deck.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** .01 Meter

BRIDGE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the BRIDGE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-SPAN

A section of the BRIDGE between successive supports.

BRIDGE-SPAN Basic Encyclopedia Number **New**

The unique number used to identify the BRIDGE-SPAN in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

BRIDGE-SPAN Design Type Code

The code that represents the design type of a BRIDGE-SPAN.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BSC1	Arch, Open Spandrel
BSC12	Transporter
BSC15	Slab
BSC16	Stringer /Beam
BSC2	Cantilever
BSC26	Arch, Closed Spandrel
BSC27	Cable Stayed
BSC28	Simple Girder
BSC29	Continous Girder
BSC30	Decked Truss
BSC31	Through Truss
BSC32	Arch Truss
BSC5	Floating
BSC9	Suspension

BRIDGE-SPAN Identifier

The identifier that represents a BRIDGE-SPAN.

Data Type: Character-String **Length:** 2

BRIDGE-SPAN Moveability Code **New**

A code indicating that the bridge span moves in some manner that allows for passage underneath the BRIDGE-SPAN.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
BSM0	Unknown
BSM1	Moveable Span
BSM2	Fixed Span

BRIDGE-SPAN Transportation Use Code **New**

A code indicating the primary user, function, or authority of the BRIDGE-SPAN.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC17	Pedestrian
TUC3	Railroad
TUC38	Canal
TUC4	Road
TUC41	Aqueduct

BRIDGE-SPAN Under Span Navigability Code **New**

The code indicating whether the %entityname crosses navigable water.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OW02	Feature does not cross navigable water
OWO1	Feature crosses navigable water

BRIDGE-SPAN-OVER-NAVIGABLE-WATER-REPRESENTATION

A model of a BRIDGE-SPAN-OVER-NAVIGABLE-WATER.

BRIDGE-SPAN-OVER-NAVIGABLE-WATER-REPRESENTATION Under Bridge Horizontal Clearance Dimension

The minimum navigable horizontal clearance passing beneath a BRIDGE-SPAN which is over navigable water.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters

BRIDGE-SPAN-OVER-NAVIGABLE-WATER-REPRESENTATION Under Bridge Safe Horizontal Clearance Dimension

The minimum navigable horizontal clearance passing beneath a BRIDGE-SPAN which is over navigable water, minus a safety factor.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters

BRIDGE-SPAN-OVER-NAVIGABLE-WATER-REPRESENTATION Under Bridge Safe Vertical Clearance Dimension

The minimum clearance for passing underneath a BRIDGE-SPAN which is over navigable water measured from water surface to the lowest portion of said BRIDGE-SPAN, minus a safety factor.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters

BRIDGE-SPAN-OVER-NAVIGABLE-WATER-REPRESENTATION Under Bridge Vertical Clearance Dimension

The minimum clearance for passing underneath a BRIDGE-SPAN which is over navigable water measured from water surface to the lowest portion of said BRIDGE-SPAN.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	0	**Max Value:**	999.9	**Unit of Measure:**	Meters

BRIDGE-SPAN-REPRESENTATION

A model of a BRIDGE-SPAN.

BRIDGE-SPAN-REPRESENTATION Bypass Condition Category Code **New**

The code indicating the ability to circumvent a destroyed section of bridge, tunnel or pass within a 2 kilometer distance on each side of the BRIDGE-SPAN-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
BCC0	Unknown
BCC1	Easy (Obstacle can be crossed within 2 KM of feature, no work)
BCC2	Difficult (Obstacle can be crossed within 2 KM of feature, work required)
BCC3	Impossible (Obstacle cannot be bypassed within 2 KM of feature)

BRIDGE-SPAN-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the BRIDGE-SPAN-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS999	Other

BRIDGE-SPAN-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the BRIDGE-SPAN-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

BRIDGE-SPAN-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the BRIDGE-SPAN-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

BRIDGE-SPAN-REPRESENTATION Horizontal Clearance Dimension **New**

The distance available on the BRIDGE-SPAN-REPRESENTATION to pass a load that extends laterally beyond the wheels of a vehicle.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Decimeter

BRIDGE-SPAN-REPRESENTATION Length Dimension

The center line length of a BRIDGE-SPAN.

Data Type:	Floating-Point	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	1 decimeter

BRIDGE-SPAN-REPRESENTATION Load Classification Type Code **New**

The code indicating the type of weight bearing capacity measure for a BRIDGE-SPAN.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
LC1	Load Class 1
LC2	Load Class 2
LC3	Load Class 3
LC4	Load Class 4

BRIDGE-SPAN-REPRESENTATION Load Classification Weight **New**

The weight bearing capacity for a particular type of load classification for a BRIDGE-SPAN.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	999	**Unit of Measure:**	Military Load Class

BRIDGE-SPAN-REPRESENTATION Material Composition Code

The code that represents the material composition of a BRIDGE-SPAN.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC77	Prestressed Concrete
MCC83	Reinforced Concrete
MCC999	Other

BRIDGE-SPAN-REPRESENTATION Maximum Vertical Clearance Dimension **New**

The greatest distance between the traveled way on the BRIDGE-SPAN-REPRESENTATION and any obstruction vertically above it.

Data Type:	Floating-Point	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

BRIDGE-SPAN-REPRESENTATION Minimum Traveled Way Width Dimension **New**

The minimum width of the BRIDGE-SPAN-REPRESENTATION, excluding hard pavements and shoulders.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Decimeter

BRIDGE-SPAN-REPRESENTATION Safe Horizontal Clearance Dimension **New**

The minimum safe horizontal distance between adjacent structures on either side of a navigable channel under the BRIDGE-SPAN-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 0 **Unit of Measure:** .1 meter

BRIDGE-SPAN-REPRESENTATION Safe Vertical Clearance Dimension **New**

The minimum safe vertical clearance measured from the surface toward the BRIDGE-SPAN-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-SPAN-REPRESENTATION Under Bridge Maximum Clearance Dimension

The maximum clear vertical distance beneath a BRIDGE-SPAN.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0 **Max Value:** 9999.9 **Unit of Measure:** Meters

BRIDGE-SPAN-REPRESENTATION Under Bridge Minimum Clearance Dimension

The minimum clear vertical distance beneath a BRIDGE-SPAN.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0 **Max Value:** 9999.9 **Unit of Measure:** Meters

BRIDGE-SPAN-SUPPORT-STRUCTURE

A primary support for a BRIDGE-SPAN, providing attachment for secondary support systems.

BRIDGE-SPAN-SUPPORT-STRUCTURE Basic Encyclopedia Number **New**

The unique number used to identify the BRIDGE-SPAN-SUPPORT-STRUCTURE in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

BRIDGE-SPAN-SUPPORT-STRUCTURE Identifier

The identifier that represents a BRIDGE-SPAN-SUPPORT-STRUCTURE.

Data Type: Character-String **Length:** 1

BRIDGE-SPAN-SUPPORT-STRUCTURE Type Code

The code that represents the type of BRIDGE-SPAN-SUPPORT-STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AQ055	Bridge Tower
AQ056	Bridge Pier
BSS1	Abutment

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION

A model of a BRIDGE-SPAN-SUPPORT-STRUCTURE.

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Height Dimension

The height of a BRIDGE-SPAN-SUPPORT-STRUCTURE, measured from the lowest point (down hillside) at ground or at water level, to the tallest point of the BRIDGE-SPAN-SUPPORT-STRUCTURE.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999 **Unit of Measure:** Meters

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION. For a round BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Material Composition Code

The code that represents the construction material used in a BRIDGE-SPAN-SUPPORT-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC134	Timber
MCC20	Composition
MCC21	Concrete
MCC62	Masonry
MCC64	Metal
MCC72	Part Metal
MCC77	Prestressed Concrete
MCC83	Reinforced Concrete
MCC999	Other

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Transportation Use Code **New**

A code indicating the primary user, function, or authority of the BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC17	Pedestrian
TUC3	Railroad
TUC38	Canal
TUC4	Road
TUC41	Aqueduct
TUC999	Other

BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the BRIDGE-SPAN-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-STREAM

The association of a specific BRIDGE with a specific STREAM.

BRIDGE-SUPERSTRUCTURE

The elements of the bridge structure that are above the lowest deck.

BRIDGE-SUPERSTRUCTURE Category Code

Structural design characteristics.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BSC0	Unknown
BSC1	Arch (assume open spandrel)
BSC12	Transporter
BSC15	Slab
BSC16	Stringer (beam)
BSC17	Arch Suspension
BSC2	Cantilever
BSC26	Arch (closed spandrel)
BSC27	Cable Stayed
BSC3	Deck
BSC5	Floating Bridge/Pontoon
BSC6	Girder
BSC7	Tower Suspension
BSC8	Truss
BSC9	Suspension
BSC999	Other

BRIDGE-SUPERSTRUCTURE Identifier

The identifier for a BRIDGE-SUPERSTRUCTURE.

Data Type: Character-String **Length:** 35

BRIDGE-SUPERSTRUCTURE Permanency Code

New

The code indicating the permanency of the BRIDGE-SUPERSTRUCTURE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

BRIDGE-SUPERSTRUCTURE-REPRESENTATION

A model of a BRIDGE-SUPERSTRUCTURE.

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the top of the BRIDGE-SUPERSTRUCTURE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Highest Z Value Dimension

Elevation above a given datum to the highest portion of the BRIDGE-SUPERSTRUCTURE.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Length Dimension

The length of the longer of the two major axes of the BRIDGE-SUPERSTRUCTURE.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the BRIDGE-SUPERSTRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC77	Prestressed Concrete
MCC83	Reinforced Concrete
MCC999	Other

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Maximum Height Dimension **New**

The vertical distance from the lowest point at ground or water level to the highest portion of the including the superstructure.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degree

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material of the BRIDGE-SUPERSTRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

BRIDGE-SUPERSTRUCTURE-REPRESENTATION Width Dimension

The length of the shorter of the two major axes of a BRIDGE-SUPERSTRUCTURE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-TOWER

A tower or pylon from which a bridge's deck is suspended.

BRIDGE-TOWER Identifier

The unique identifier for a BRIDGE-TOWER.

Data Type: Character-String **Length:** 35

BRIDGE-TOWER Source Category Code **New**

The code indicating the source from which the BRIDGE-TOWER is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC1	Survey Source
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

BRIDGE-TOWER Structure Shape Category Code

Geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

BRIDGE-TOWER-REPRESENTATION

A model of a BRIDGE-TOWER.

BRIDGE-TOWER-REPRESENTATION Existence Category Type Code

The state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed
EXS999	Other

BRIDGE-TOWER-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the top of the BRIDGE-TOWER.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-TOWER-REPRESENTATION Height of Bridge Dimension

Vertical distance measured from the lowest point at ground or water level to the highest portion of the BRIDGE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BRIDGE-TOWER-REPRESENTATION Highest Z Value Dimension

Elevation above a given datum to the highest portion of the BRIDGE-TOWER.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

BRIDGE-TOWER-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes for the BRIDGE-TOWER.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

BRIDGE-TOWER-REPRESENTATION Material Composition Code

Characteristics of primary material composition of the BRIDGE-TOWER.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

BRIDGE-TOWER-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degree

BRIDGE-TOWER-REPRESENTATION Permanency Type Code

Indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

BRIDGE-TOWER-REPRESENTATION Structure Shape Category Code

Geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

BRIDGE-TOWER-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

BRIDGE-TOWER-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes for the BRIDGE-TOWER.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

BUILDING

A relatively permanent structure, roofed and usually walled and designed for some particular use.

BUILDING Basic Encyclopedia Number **New**

The unique number used to identify the BUILDING in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

BUILDING Legacy Identifier

A unique number relating specific interior map/chart features to border information.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Units

BUILDING Usage Code **New**

A code indicating the the primary user of the BUILDING.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE23	International
USE4	National
USE49	Civilian/Public
USE5	State
USE6	Private
USE8	Military
USE999	Other

BUILDING-REPRESENTATION

A model of a BUILDING.

BUILDING-REPRESENTATION Available Facilities Code

The code that indicates the facilities available at or in the near vicinity.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AFA0	Unknown
AFA19	Helipad
AFA995	None

BUILDING-REPRESENTATION Building Function Category Code

The code that indicates the type or purpose of the building.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BFC0	Unknown
BFC1	Fabrication Structures
BFC10	Observatory
BFC100	Medical Center
BFC101	Municipal Hall
BFC102	Oil/Gas Facilities Building
BFC103	Outbuilding
BFC104	Paper/Pulp Mill
BFC105	Reformatory
BFC106	Sanitarium
BFC107	Satellite Tracking Station
BFC109	Senior Citizen's Home
BFC11	Palace
BFC110	Shipyard
BFC111	Sportsplex
BFC112	Steel Mill
BFC113	Weigh Scale (Highway)
BFC115	Hostel
BFC116	Factory
BFC117	Motel
BFC118	Community Center
BFC119	City Hall
BFC12	Police Station
BFC120	Automobile Plant
BFC121	Armory
BFC122	Shopping Center
BFC123	Correctional Institute
BFC124	Repair Facility
BFC125	Barn/Machinery Shed
BFC126	Astronomical Station
BFC127	Theater
BFC128	Library
BFC129	Airport Terminal
BFC13	Prison
BFC130	Bus Station
BFC131	Pilot Office
BFC132	Pilot Look-out
BFC133	Commercial building
BFC14	Ranger Station
BFC15	School

BFC16	House
BFC17	Multi Unit Dwelling
BFC18	Cemetery Building
BFC19	Farm Building
BFC2	Government Building
BFC20	Greenhouse
BFC21	Garage
BFC22	Watermill/Gristmill
BFC23	Wind Tunnel
BFC24	Warehouse
BFC25	Roundhouse
BFC26	Railroad Storage/Repair Facility
BFC27	Depot Terminal
BFC28	Administration Building
BFC29	Aircraft Maintenance Shop
BFC3	Capitol Building
BFC30	Hangar
BFC31	Customs House
BFC33	Health Office
BFC35	Post Office
BFC36	Barracks/Dormitory
BFC37	Fire Station
BFC38	Jail
BFC4	Castle
BFC5	Government Administration Building
BFC51	Market
BFC52	Town Hall
BFC53	Bank
BFC54	Service/Refueling Station
BFC55	Yacht Club/Sailing Club
BFC56	Public Inn
BFC57	Restaurant
BFC58	Observation
BFC59	Research and Development Lab/Research Facility
BFC6	Hospital
BFC61	Courthouse
BFC62	Legation
BFC63	Mission
BFC65	Ambassadorial Residence
BFC66	Embassy
BFC67	Consulate
BFC68	Guard House
BFC69	Guard Shack/Guard Room
BFC7	House of Worship

BFC70	Kennel
BFC71	Oil Mill (Vegetable)
BFC72	Aerator
BFC723	Combined Fire and Police Station
BFC73	Carpentry
BFC74	Sawmill
BFC75	Kiln/Oven
BFC76	Signal Box/Railway Signalman's House
BFC77	Harbor Master's Office
BFC78	Marine Police
BFC8	Military Administration/Operations Building
BFC80	Port Control
BFC81	Maritime Station
BFC82	Lighthouse
BFC83	Power Generation
BFC84	Filtration Plant
BFC85	Newspaper Plant
BFC87	Auditorium
BFC88	Opera House
BFC89	Processing/Treatment
BFC9	Museum
BFC90	Pumphouse
BFC91	Mobile Home
BFC92	Weather Station
BFC93	Dependents Housing/Bivouac Area
BFC94	Railroad Station
BFC95	Hotel
BFC96	Diplomatic Building
BFC97	Trading Post
BFC98	Shed
BFC99	Battery
BFC999	Other

BUILDING-REPRESENTATION Character of Light Text

A text string that may encode the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position [e.g. Q(6)+L F1, VQ G, L F1 (3+2)WR].

Data Type: Character-String **Length:** 80

BUILDING-REPRESENTATION Educational Building Type Code

The code that indicates the type of educational building.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EBT0	Unknown
EBT1	Academy
EBT2	College
EBT3	Educational Center
EBT4	Lyceum
EBT5	University
EBT6	Seminary
EBT8	Not Applicable

BUILDING-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

BUILDING-REPRESENTATION Feature Identification Number Identifier

Unique numeric feature identifier.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Units

BUILDING-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

BUILDING-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

BUILDING-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

BUILDING-REPRESENTATION Product Code

The code that indicates the principal material involved or product resulting from activity at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO100	Silver
PRO103	Snow/Ice
PRO107	Steel
PRO109	Sugar
PRO11	Cement
PRO112	Uranium
PRO113	Vegetation Products
PRO116	Water
PRO118	Zinc
PRO129	Tobacco
PRO13	Chemical
PRO135	Textile
PRO17	Coal
PRO19	Coke
PRO2	Aluminum
PRO21	Concrete
PRO23	Copper
PRO3	Ammunition
PRO33	Explosives
PRO35	Food
PRO38	Gas
PRO39	Gasoline
PRO40	Glass
PRO42	Gold
PRO5	Asphalt
PRO50	Heat
PRO51	Iron
PRO54	Lead
PRO56	Lumber
PRO6	Basalt
PRO64	Metal
PRO67	Oil
PRO71	Paper
PRO74	Plastic
PRO82	Radioactive Material
PRO85	Rubber
PRO87	Salt
PRO9	Brick
PRO95	Sewage

PRO997	Not Applicable
PRO998	Multiple
PRO999	Other

BUILDING-REPRESENTATION Religious Denomination Code

The code that indicates the name of religious order at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
REL0	Unknown
REL1	Buddhist
REL2	Moslem
REL3	Roman Catholic
REL4	Christian (undefined)
REL5	Judaism
REL6	Greek Orthodox
REL7	Protestant
REL8	Shinto
REL998	Not Applicable
REL999	Other

BUILDING-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC12	Pyramid
SSC17	Spherical (Hemispherical)
SSC65	Cylindrical with flat top
SSC66	Cylindrical with domed top
SSC71	Cylindrical/Peaked
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

BUILDING-REPRESENTATION Structure Shape of Roof Code

The code that indicates the roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR47	Sawtooth
SSR50	With Monitor
SSR51	With Steeple
SSR55	Flat with Monitor
SSR6	Conical/Peaked/NUN
SSR64	Gable with Monitor
SSR77	With Cupola
SSR78	With Turret
SSR79	With Tower
SSR80	With Minaret
SSR999	Other

BUILDING-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC21	Concrete
SMC45	Grass/Thatch
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

BUILDING-REPRESENTATION Transportation Use Category Code

The code that indicates the primary user, function, or authority of the transportation system.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC12	Marine
TUC13	Air
TUC22	Automotive
TUC3	Railroad
TUC35	No Transport Use
TUC999	Other

BUILDING-SUPERSTRUCTURE-ADDITION

A supplemental portion of a building which rises from the roof but is not considered part of the general roof line.

BUILDING-SUPERSTRUCTURE-ADDITION House of Worship Code

The code that indicates the type of house of worship used.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HWT0	Unknown
HWT11	Pagoda
HWT14	Shrine
HWT15	Tabernacle
HWT16	Temple
HWT2	Cathedral
HWT20	Synagogue
HWT21	Stupa
HWT22	VALUE INTENTIONALLY LEFT BLANK (Not Applicable)
HWT3	Chapel
HWT4	Church
HWT5	Marabout
HWT6	Minaret
HWT7	Monastery, Convent
HWT9	Mosque

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION

A model of a BUILDING-SUPERSTRUCTURE-ADDITION.

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Available Facilities Code

The code that indicates the facilities available at or in the near vicinity.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AFA0	Unknown
AFA19	Helipad
AFA995	None

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Building Function Category Code

The code that indicates the type or purpose of the building.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BFC0	Unknown
BFC10	Observatory
BFC102	Oil/Gas Facilities Building
BFC104	Paper/Pulp Mill
BFC105	Reformatory
BFC106	Sanitarium
BFC11	Palace
BFC110	Shipyard
BFC111	Sportsplex
BFC112	Steel Mill
BFC116	Factory
BFC122	Shopping Center
BFC124	Repair Facility
BFC125	Barn/Machinery Shed
BFC13	Prison
BFC15	School
BFC16	House
BFC17	Multi Unit Dwelling
BFC19	Farm Building
BFC2	Government Building
BFC24	Warehouse
BFC25	Roundhouse
BFC27	Depot Terminal
BFC28	Administration Building
BFC29	Aircraft Maintenance Shop
BFC3	Capitol Building
BFC30	Hangar
BFC4	Castle
BFC40	Telephone Switching Station
BFC5	Government Administration Building
BFC53	Bank
BFC58	Observation
BFC6	Hospital
BFC7	House of Worship
BFC71	Oil Mill (Vegetable)
BFC82	Lighthouse
BFC86	Telephone Exchange (Main)
BFC89	Processing/Treatment
BFC9	Museum
BFC94	Railroad Station

BFC999	Other

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION House of Worship Type Code

The code that indicates the type of house of worship used.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HWT0	Unknown
HWT15	Tabernacle
HWT16	Temple
HWT2	Cathedral
HWT20	Synagogue
HWT22	VALUE LEFT INTENTIONALLY BLANK (Not Applicable)
HWT3	Chapel
HWT4	Church
HWT7	Monastery, Convent
HWT9	Mosque

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC12	Pyramid
SSC17	Spherical (Hemispherical)
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC999	Other

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Structure Shape of Roof Code

The code that indicates the roof shape..

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR47	Sawtooth
SSR50	With Monitor
SSR51	With Steeple
SSR55	Flat with Monitor
SSR6	Conical/Peaked/NUN
SSR64	Gable with Monitor
SSR77	With Cupola
SSR78	With Turret
SSR79	With Tower
SSR80	With Minaret
SSR999	Other

BUILDING-SUPERSTRUCTURE-ADDITION-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

BUILT-UP-AREA

An area containing a concentration of buildings and other structures.

BUILT-UP-AREA Type Code

The code that indicates the type of BUILT-UP-AREA.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AI020	Mobile Home Park
AL020	General Built Up Area
AL105	Settlement
AL135	Native Settlement

BUILT-UP-AREA-REPRESENTATION

A model of a BUILT-UP-AREA.

BUILT-UP-AREA-REPRESENTATION Cultural Feature Density Rate **New**

The measure of the concentration of buildings and other cultural features within the delineation of the BUILT-UP-AREA.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

BUILT-UP-AREA-REPRESENTATION Density Classification Code **New**

The code that indicates the relative density of a BUILT-UP-AREA.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BAC0	Unknown
BAC1	Sparse to Moderate
BAC2	Dense

BUILT-UP-AREA-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

BUILT-UP-AREA-REPRESENTATION Native Settlement Type Code

The code that indicates a distribution of native dwellings within the delineated area of built up area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
NAS0	Unknown
NAS1	Centralized Habitation
NAS2	Continuous Habitation

BUILT-UP-AREA-REPRESENTATION Ordinal Code

The code that indicates the relative order of importance of a built up area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ORD1	Primary/1st Order
ORD2	Secondary/2nd Order
ORD3	Tertiary/3rd Order
ORD4	Quaternary/4th Order
ORD5	Quintary/5th Order

BUILT-UP-AREA-REPRESENTATION Populated Place Category Code **New**

The code indicating the type of populated place.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PPT0	Unknown
PPT2	Shanty Town
PPT3	Tent Dwellings
PPT999	Other

BUILT-UP-AREA-REPRESENTATION Populated Place Quantity

The number of persons within a built up area.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999999 **Unit of Measure:** Persons

BUILT-UP-AREA-REPRESENTATION Port Index Identifier

Unique maritime port identifier.

Data Type: Character-String **Length:** 24

BUILT-UP-AREA-REPRESENTATION Predominant Height Dimension

The height of 51% or more of the built up area. If not obtainable, then the average height of the feature will be used.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

BUILT-UP-AREA-REPRESENTATION Predominant Height Range Code

The predominant height range of a built up area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PH40	Unknown
PH41	<= 10
PH410	> 90 and <= 100
PH411	> 100
PH42	> 10 and <= 20
PH43	> 20 and <= 30
PH44	> 30 and <= 40
PH45	> 40 and <= 50
PH46	> 50 and <= 60
PH47	> 60 and <= 70
PH48	> 70 and <= 80
PH49	> 80 and <= 90

BUILT-UP-AREA-REPRESENTATION Roof Density Rate

The roof cover measured by percent within the area of a built up area.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

BUILT-UP-AREA-REPRESENTATION Seasonal Tent Location Code

The code that indicates the season in which a built up area is populated with tents.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
STL1	Winter Location
STL2	Summer Location
STL998	Not Applicable

BUILT-UP-AREA-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC108	Stone
SMC117	Wood
SMC20	Composition
SMC21	Concrete
SMC45	Grass/Thatch
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

BUILT-UP-AREA-REPRESENTATION Tree Cover Density Rate

The tree canopy cover measured an within area of feature during the summer season.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

BUILT-UP-AREA-REPRESENTATION Urban Street Pattern Code

The predominant geometric configuration of streets found within the delineated area of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USP0	Unknown
USP10	Mixed-Concentric/Radial and Rectangular (grid)
USP11	Mixed-Curvilinear (cluster) and Concentric/Radial
USP13	Linear Strip
USP2	Rectangular/Grid-Regular
USP3	Rectangular/Grid-Irregular
USP4	Curvilinear (cluster)
USP6	Concentric/Radial-Regular
USP7	Concentric/Radial-Irregular
USP9	Mixed-Curvilinear (cluster) and Rectangular (grid)
USP999	Other

BUILT-UP-AREA-REPRESENTATION Usage Code **New**

A code indicating the the primary user of the BUILT-UP-AREA-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE120	Recreational
USE128	Mixed Urban or built-up Land
USE134	Utilities and Communication
USE41	Industrial
USE42	Commercial
USE43	Institutional
USE44	Residential
USE8	Military
USE999	Other

BUOY-TRANSFER-BERTH

A cargo transfer point using one or more buoys for mooring a vessel offshore.

BUOY-TRANSFER-BERTH Identifier

The identifier that represents a BUOY-TRANSFER-BERTH.

Data Type: Character-String **Length:** 35

BURNER

A permanent structure used for the disposal of waste products by burning.

BURNER-REPRESENTATION

A model of a BURNER.

CABLE

An insulated wire, or group of wires formed into one continuous strand, located underground or underwater.

CABLE Cable Classification Code

The code that tabulates the kind of transmission.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AT041	Telepheric
CAB0	Unknown
CAB2	Power Line
CAB3	Telephone
CAB4	Telegraph
CAB6	Transmission Line

CABLE Identifier

The identifier that represents a CABLE.

Data Type: Character-String **Length:** 35

CABLE-AND-PIPELINE-AREA-REPRESENTATION

A type of DESIGNATED-MARITIME-AREA-REPRESENTATION-RESTRICTED-AREA in which cables and/or pipelines are present.

CABLE-AND-PIPELINE-AREA-REPRESENTATION Operational Status Code

The code that represents the state of functioning CABLE-AND-PIPELINE-AREA-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
OPS1	Operational
OPS2	Non-Operational

CABLE-AND-PIPELINE-AREA-REPRESENTATION Product Category Text

A description of the type of product that the cable or pipeline is intended to carry in the CABLE-AND-PIPELINE-AREA-REPRESENTATION.

Data Type: Character-String **Length:** 50

CABLE-REPRESENTATION

A descriptive and geometric model of a CABLE.

CABLE-REPRESENTATION Depth Below Surface Level Dimension

Distance measured from the highest point at surface level to the lowest point of the feature below the surface.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	1
Min Value:	0	**Max Value:**	13000	**Unit of Measure:**	.1 Meter

CABLE-REPRESENTATION Height Above Sea Bottom Dimension

The vertical distance from sea bottom to the lowest portion of the CABLE-REPRESENTATION.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	1
Min Value:	0	**Max Value:**	3000	**Unit of Measure:**	.1 Meter

CABLE-REPRESENTATION Length Dimension

A measurement of the longest linear axis of the CABLE-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meter

CABLE-REPRESENTATION Location Category Code

The code that indicates the status of the feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC17	Sunken/On sea bottom
LOC23	Below Sea Bottom
LOC24	Suspended or Elevated above sea bottom
LOC4	Below Water Surface
LOC40	Underground
LOC999	Other

CAIRN

A heap of stones piled up as a memorial or a landmark.

CAIRN-REPRESENTATION

A model of a CAIRN.

CAIRN-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meters

CAISSON

The gate at the end of a drydock which excludes the water after pumping out the dock. The pumping engines are often located in the caisson.

CALLING-IN-POINT

A specified point some distance from the harbor at which a vessel's navigator notifies the harbor authority of his or her ship's position.

CALLING-IN-POINT Identifier

The identifier that represents a CALLING-IN-POINT.

Data Type: Character-String **Length:** 35

CALLING-IN-POINT Name

Any Identifier or code.

Data Type: Character-String **Length:** 80

CALLING-IN-POINT-DIRECTION-OF-TRAFFIC

The direction for traffic flowing from a point in a harbor designated as the calling point for contacting the harbormaster.

CALLING-IN-POINT-DIRECTION-OF-TRAFFIC Heading Angle

The angle of direction for traffic flowing from a point in a harbor designated as the calling point for contacting the harbormaster.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

CALLING-IN-POINT-DIRECTION-OF-TRAFFIC Sequence Number

The sequential number assigned to identify a CALLING-IN-POINT-DIRECTION-OF-TRAFFIC.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 1 **Max Value:** 4 **Unit of Measure:** Each

CAMP

New

A place where a group of people are temporarily billeted in makeshift shelters, as tents or huts.

CAMP-REPRESENTATION

New

A model of a CAMP.

CANAL

An AQUEDUCT designed for the movement of watercraft.

CAPTURE-SPECIFICATION

A SPECIFICATION that describes the methods, tools, error bounds and instructions for acquiring raw data.

CARAVAN-ROUTE

New

A route followed by caravans of animals.

CART-TRACK

An UNIMPROVED-ROAD created by the movement of vehicles.

CATALYTIC-CRACKER

A unit in which petroleum separation is carried out in the presence of a catalyst.

CATALYTIC-CRACKER-REPRESENTATION

A model of a CATALYTIC-CRACKER.

CATALYTIC-CRACKER-REPRESENTATION Condition Code

New

A code indicating the state or condition of the CATALYTIC-CRACKER-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS7	Destroyed

CATALYTIC-CRACKER-REPRESENTATION Height Range Code

Height range.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HTR0	Unknown
HTR1	<=0.5
HTR2	>0.5 and <=1.0
HTR3	>1.0 and <=1.5
HTR4	>1.5 and <=2.0
HTR5	>2.0 and <=5.0
HTR6	>5.0 and <=10.0
HTR7	>10.0 and <=20.0
HTR8	>20.0 and <=35.0
HTR9	>35.0

CATALYTIC-CRACKER-REPRESENTATION Highest Z Value Dimension

New

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

CATALYTIC-CRACKER-REPRESENTATION Permanency Code

Indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

CATALYTIC-CRACKER-REPRESENTATION Source Category Code **New**

The code indicating the source from which the CATALYTIC-CRACKER-REPRESENTATION is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC1	Survey Source
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

CATALYTIC-CRACKER-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal

CAUSEWAY

An association of a ROAD with an EMBANKMENT.

CAVE

A natural subterranean chamber or series of chambers open to the Earth's surface.

CAVE Identifier

The identifier that represents a CAVE.

Data Type: Character-String **Length:** 35

CAVE-REPRESENTATION

A model of a CAVE.

CAVE-REPRESENTATION Area

The absolute area within the delineation of the CAVE-REPRESENTATION.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0

Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

CAVE-REPRESENTATION Azimuth Angle

The azimuth measured clockwise from true north to the major axis of the CAVE-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

CAVE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

CEMETERY

An area of land for burying the dead.

CEMETERY-REPRESENTATION

A model of a CEMETARY.

CEMETERY-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS30	Not Isolated
EXS31	Isolated

CEMETERY-REPRESENTATION Religious Denomination Code

The code that indicates the name of religious order at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
REL0	Unknown
REL1	Buddhist
REL2	Moslem
REL3	Roman Catholic
REL4	Christian (undefined)
REL5	Judaism
REL6	Greek Orthodox
REL7	Protestant
REL8	Shinto
REL999	Other

CHAIN-WIRE-REPRESENTATION

A model of a CHAIN-WIRE physically connecting two independent objects.

CHAIN-WIRE-REPRESENTATION Buoy Type Code **New**

Code indicating the type of buoy.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BUT39	Trot

CHANNEL

A part of a body of water deep enough for navigation through a shallower water area.

CHANNEL Creation Type Code

The code that represents a CHANNEL's origination.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
HOC4	Manmade
HOC5	Natural

CHANNEL Identifier

The identifier that represents a CHANNEL.

Data Type: Character-String **Length:** 35

CHANNEL-REPRESENTATION

A model of a CHANNEL.

CIRCULAR-MOVEMENT-SURFACE-REPRESENTATION

A model of a CIRCULAR-MOVEMENT-SURFACE.

CIRCULAR-MOVEMENT-SURFACE-REPRESENTATION Dimension

The diameter of the movement surface.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

CIRCULAR-MOVEMENT-SURFACE-REPRESENTATION Major Dimension

The diameter of the largest or outer portion of a movement surface.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

CIRCULAR-MOVEMENT-SURFACE-REPRESENTATION Minor Dimension

The diameter of the smallest or inner portion of a movement surface.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

CISTERN

An in-ground reservoir which stores potable water.

CISTERN Existence Category Code **New**

A code indicating the state or condition of the CISTERN.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS30	Not Isolated
EXS31	Isolated

CLIFF

A vertical, nearly vertical, or overhanging face of rock or earth.

CLIFF Identifier

The identifier that represents a CLIFF.

Data Type: Character-String **Length:** 35

CLIFF-REPRESENTATION

A model of a CLIFF.

CLIFF-REPRESENTATION Azimuth Angle

The azimuth measured clockwise from true north to the major axis of the CLIFF-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

CLIFF-REPRESENTATION Bottomline Length Dimension

The linear distance along the bottom of the CLIFF-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CLIFF-REPRESENTATION Conspicuous Category Code **New**

A conspicuous object is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape or height.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

CLIFF-REPRESENTATION Derived Obstacle Depth Category Code **New**

Code that categorizes the maximum depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

CLIFF-REPRESENTATION Highest Z Value Dimension **New**

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

CLIFF-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the CLIFF-REPRESENTATION. For a round CLIFF-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

CLIFF-REPRESENTATION Maximum Height Dimension

The vertical distance measured from the lowest point of the base at ground or water level to the tallest point of the CLIFF-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CLIFF-REPRESENTATION Predominant Height Dimension

The average vertical height of the CLIFF-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CLIFF-REPRESENTATION Slope Rate

The maximum percentage of incline from the horizontal plane of the side of the CLIFF-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Percent

CLIFF-REPRESENTATION Surface Material Category Code **New**

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC30	Earthen
SMC84	Rock/Rocky
SMC999	Other

CLIFF-REPRESENTATION Topline Length Dimension

The linear distance along the top of the CLIFF-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CLIFF-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

COASTAL-FERRY-SITE

A point along a coast where a ferry takes on or discharges its load.

COMMERCIALLY-TREED-REPRESENTATION

A model of a commercially treed area.

COMMERCIALLY-TREED-REPRESENTATION Type Code

The code that represents the type of commercially treed area.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Orchard
02	Plantation

COMMUNICATION-TOWER

A relatively tall structure used for transmitting and/or receiving electronic communications signals.

COMMUNICATION-TOWER Broadcast Frequency Rate

Broadcast frequency of a communications device.

Data Type: Integer **Length:** 15 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1e+015 **Unit of Measure:** 1 HZ

COMMUNICATION-TOWER Character of Light Text

Any identifier composed of the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position (e.g. Q(6)+LF1, VQG, LF1(3+2)WR).

Data Type: Character-String **Length:** 80

COMMUNICATION-TOWER Guyed Category Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

COMMUNICATION-TOWER Identifier

The identifier that represents a COMMUNICATIONS-TOWER.

Data Type: Character-String **Length:** 35

COMMUNICATION-TOWER Navigation System Type Code

The code that indicates the type of equipment or system used in electronic navigation (primary system).

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
NST0	Unknown
NST11	Radar
NST12	Radio
NST13	Radio Telephone
NST15	TV
NST16	Microwave
NST2	CONSOL
NST3	DECCA
NST33	Radio Telegraph
NST7	Long Range Air Navigation System (LORAN)
NST8	OMEGA
NST999	Other

COMMUNICATION-TOWER Usage Code

The code that indicates the primary user, function, or controlling authority.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE4	National
USE49	Civilian/Public
USE5	State
USE8	Military

COMMUNICATION-TOWER-REPRESENTATION

A descriptive and geometric model of a COMMUNICATION-TOWER.

COMMUNICATION-TOWER-REPRESENTATION Conspicuous Category Code

A conspicuous object is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

COMMUNICATION-TOWER-REPRESENTATION Diameter Dimension

The diameter of the COMMUNICATIONS-TOWER.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

COMMUNICATION-TOWER-REPRESENTATION Height Above Surface Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

COMMUNICATION-TOWER-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

COMMUNICATION-TOWER-REPRESENTATION Location Category Code

The code depicting the status of the feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC8	On Ground Surface
LOC999	Other

COMMUNICATION-TOWER-REPRESENTATION Material Composition Category Code

The code that indicates the primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

COMMUNICATION-TOWER-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Deg

COMMUNICATION-TOWER-REPRESENTATION Permanency Type Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

COMMUNICATION-TOWER-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC52	'A' Frame
SSC54	'I' Frame
SSC60	Mast
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

COMMUNICATION-TOWER-REPRESENTATION Surface Material Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Compostion
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

COMMUNICATION-TOWER-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

COMMUNICATIONS-BUILDING

A building in which communication signals are processed or controlled.

COMMUNICATIONS-BUILDING Building Function Category Code

The code that indicates the type or purpose of the building.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BFC0	Unknown
BFC40	Telephone Switching Station
BFC86	Telephone Exchange (Main)
BFC999	Other

COMMUNICATIONS-BUILDING Identifier

The identifier that represents a COMMUNICATIONS BUILDING.

Data Type: Character-String **Length:** 35

COMMUNICATIONS-BUILDING Legacy Identifier **New**

A unique number relating specific interior map/chart features to border information.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	unit

COMMUNICATIONS-BUILDING-REPRESENTATION

A descriptive and geometric model of a COMMUNICATIONS-BUILDING.

COMMUNICATIONS-BUILDING-REPRESENTATION Height Above Surface Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

COMMUNICATIONS-BUILDING-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

COMMUNICATIONS-BUILDING-REPRESENTATION Length Diameter Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

COMMUNICATIONS-BUILDING-REPRESENTATION Material Composition Category Code

The code that indicates the primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

COMMUNICATIONS-BUILDING-REPRESENTATION Navigation System Type Code

The code that indicates the type of equipment or system used in electronic navigation (primary system).

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
NST0	Unknown
NST11	Radar
NST12	Radio
NST13	Radio Telephone
NST15	TV
NST16	Microwave
NST33	Radio Telegraph
NST999	Other

COMMUNICATIONS-BUILDING-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Deg

COMMUNICATIONS-BUILDING-REPRESENTATION Permanency Type Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

COMMUNICATIONS-BUILDING-REPRESENTATION Roof Structure Shape Code

The code that indicates the shape of the roof of the COMMUNICATIONS-BUILDING.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR79	With Tower
SSR999	Other

COMMUNICATIONS-BUILDING-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

COMMUNICATIONS-BUILDING-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Compostion
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

COMMUNICATIONS-BUILDING-REPRESENTATION Usage Code

The code that indicates the primary user, function, or controlling authority.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE4	National
USE49	Civilian/Public
USE5	State
USE8	Military

COMMUNICATIONS-BUILDING-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

COMPLETENESS-ASSESSMENT

The results of an examination of an object to describe the degree to which all intended contents have been encoded.

COMPLETENESS-ASSESSMENT Percent Rate

The assessed percentage of an intended content item that has been encoded.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

COMPLEX-AREA-OUTLINE

An outline delimiting an area in which two or more like features have the same function.

COMPLEX-AREA-OUTLINE Complex Outline Function Code **New**

The code that represents the primary functional use of the area covered by a complex outline feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COF0	Unknown
COF1	Agricultural
COF10	Mixed Urban
COF11	Recreational
COF12	Religious
COF13	Reserve
COF14	Residential
COF15	Transportation
COF16	Utilities
COF2	Commercial
COF3	Communications
COF4	Diplomatic
COF5	Educational
COF6	Governmental
COF7	Industrial
COF8	Medical
COF9	Military
COF999	Other

COMPLEX-AREA-OUTLINE Number Identifier

A unique number relating specific interior map/chart features to border information.

Data Type: Character-String **Length:** 6

COMPLEX-AREA-OUTLINE-REPRESENTATION

A model of a COMPLEX-AREA-OUTLINE.

COMPLEX-AREA-OUTLINE-REPRESENTATION Building Function Category Code

The code that indicates the type or purpose of buildings within this COMPLEX-AREA.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AL040	Cliff Dwelling
AL101	Cabin
AL116	Calvary Cross
BFC0	Unknown
BFC1	Fabrication Structures
BFC10	Observatory
BFC100	Medical Center
BFC101	Municipal Hall
BFC102	Oil/Gas Facilities Building
BFC103	Outbuilding
BFC104	Paper/Pulp Mill
BFC105	Reformatory
BFC106	Sanitarium
BFC107	Satellite Tracking Station
BFC109	Senior Citizen's Home
BFC11	Palace
BFC110	Shipyard
BFC111	Sportsplex
BFC112	Steel Mill
BFC113	Weigh Scale (Highway)
BFC115	Hostel
BFC116	Factory
BFC117	Motel
BFC118	Community Center
BFC119	City Hall
BFC12	Police Station
BFC120	Automobile Plant
BFC121	Armory
BFC122	Shopping Center
BFC123	Correctional Institute
BFC124	Repair Facility
BFC125	Barn/Machinery Shed
BFC126	Astronomical Station
BFC127	Theater
BFC128	Library
BFC129	Airport Terminal
BFC13	Prison
BFC130	Bus Station
BFC131	Pilot Office
BFC132	Pilot Look-out

BFC133	Commercial building
BFC14	Ranger Station
BFC140	Important building (other than government).
BFC15	School
BFC16	House
BFC17	Multi Unit Dwelling
BFC18	Cemetery Building
BFC19	Farm Building
BFC2	Government Building
BFC20	Greenhouse
BFC21	Garage
BFC22	Watermill/Gristmill
BFC23	Wind Tunnel
BFC24	Warehouse
BFC25	Roundhouse
BFC26	Railroad Storage/Repair Facility
BFC27	Depot Terminal
BFC28	Administration Building
BFC29	Aircraft Maintenance Shop
BFC3	Capitol Building
BFC30	Hangar
BFC31	Customs House
BFC33	Health Office
BFC35	Post Office
BFC36	Barracks/Dormitory
BFC37	Fire Station
BFC38	Jail
BFC4	Castle
BFC40	Telephone Switching Station
BFC5	Government Administration Building
BFC51	Market
BFC52	Town Hall
BFC53	Bank
BFC54	Service/Refueling Station
BFC55	Yacht Club/Sailing Club
BFC56	Public Inn
BFC57	Restaurant
BFC58	Observation
BFC59	Research and Development Lab/Research Facility
BFC6	Hospital
BFC61	Courthouse
BFC62	Legation
BFC63	Mission
BFC65	Ambassadorial Residence

BFC66	Embassy
BFC67	Consulate
BFC68	Guard House
BFC69	Guard Shack/Guard Room
BFC7	House of Worship
BFC70	Kennel
BFC71	Oil Mill (Vegetable)
BFC72	Aerator
BFC723	Combined Fire and Police Station
BFC73	Carpentry
BFC74	Sawmill
BFC75	Kiln/Oven
BFC76	Signal Box/Railway Signalman's House
BFC77	Harbor Master's Office
BFC78	Marine Police
BFC8	Military Administration/Operations Building
BFC80	Port Control
BFC81	Maritime Station
BFC82	Lighthouse
BFC83	Power Generation
BFC84	Filtration Plant
BFC85	Newspaper Plant
BFC86	Telephone Exchange (Main)
BFC87	Auditorium
BFC88	Opera House
BFC89	Processing/Treatment
BFC9	Museum
BFC90	Pumphouse
BFC91	Mobile Home
BFC92	Weather Station
BFC93	Dependents Housing/Bivouac Area
BFC94	Railroad Station
BFC95	Hotel
BFC96	Diplomatic Building
BFC97	Trading Post
BFC98	Shed
BFC99	Battery
BFC999	Other

COMPLEX-AREA-OUTLINE-REPRESENTATION Educational Building Type Code

Identifies the type of educational building.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EBT0	Unknown
EBT1	Academy
EBT2	College
EBT3	Educational Center
EBT4	Lyceum
EBT5	University
EBT6	Seminary
EBT8	Not Applicable

COMPLEX-AREA-OUTLINE-REPRESENTATION House of Worship Code

Type of house of worship used.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HWT0	Unknown
HWT15	Tabernacle
HWT16	Temple
HWT2	Cathedral
HWT20	Synagogue
HWT3	Chapel
HWT4	Church
HWT7	Monastery, Convent
HWT9	Mosque

COMPLEX-AREA-OUTLINE-REPRESENTATION Location Category Code

Status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC4	Below Water Surface
LOC40	Underground
LOC8	On Ground Surface

COMPLEX-AREA-OUTLINE-REPRESENTATION Roof Density Rate

Roof cover measured by percent within area of feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

COMPLEX-AREA-OUTLINE-REPRESENTATION Structure Quantity

Density of structures within a square kilometer (1000m x 1000m).

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Structures/kilometer**2

COMPLEX-AREA-OUTLINE-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

COMPONENT-GEOSPATIAL-FEATURE-REPRESENTATION

A GEOSPATIAL-FEATURE-REPRESENTATION that is part of a complex GEOSPATIAL-FEATURE-REPRESENTATION.

CONE-VOLUME

A GEOMETRIC-VOLUME whose boundary is swept by a line that has a fixed point and another that moves along the path defined by the border of a specific SURFACE.

CONTACT-ZONE-REPRESENTATION

A model of a contact zone - an area 3 meters wide limited on the water side by the contact between land and water under average level of water condition.

CONTOUR-LINE-REPRESENTATION

A model of a line connecting points having the same vertical datum value.

CONTOUR-LINE-REPRESENTATION Elevation Dimension

The highest elevation of a CONTOUR-LINE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 10000 **Unit of Measure:** meters

CONTOUR-LINE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the CONTOUR-LINE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

CONTOUR-LINE-REPRESENTATION Hypsography Portrayal Category Code **New**

The code that indicates the type of chart line.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HQC0	Unknown
HQC1	Index
HQC14	Supplementary (1/4)
HQC2	Intermediate
HQC22	Supplementary Depression
HQC3	Supplementary (1/2)
HQC4	Form Lines
HQC5	Depression Index
HQC6	Depression Intermediate
HQC8	Mound Index
HQC9	Mound Intermediate

CONTOUR-LINE-REPRESENTATION Material Composition Code

The material found on this CONTOUR-LINE-REPRESENTATION.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC103	Snow/Ice
MCC30	Earthen

CONTROL-TOWER

A tower-like structure that houses the persons and equipment used to control the flow of air, rail, or marine traffic.

CONTROL-TOWER Guyed Wire Category Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

CONTROL-TOWER Identifier

The identifier that represents a CONTROL-TOWER.

Data Type: Character-String **Length:** 35

CONTROL-TOWER Structure Shape Category Code

The code that identifies the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

CONTROL-TOWER Structure Shape of Roof Code

Roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR51	With Steeple
SSR6	Conical/Peaked/NUN
SSR77	With Cupola
SSR80	With Minaret
SSR999	Other

CONTROL-TOWER Transportation Use Category Code

The code that identifies the primary user, function, or authority of the transportation system.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC12	Marine
TUC13	Air
TUC3	Railroad

CONTROL-TOWER-PORT

An association between a CONTROL-TOWER and a particular PORT.

CONTROL-TOWER-REPRESENTATION

A tower-like structure that houses the persons and equipment used to control the flow of air, rail, or marine traffic.

CONTROL-TOWER-REPRESENTATION Conspicuous Category Code

A conspicuous object is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

CONTROL-TOWER-REPRESENTATION Existence Category Code

The code that indicates knowledge of the feature's existence.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

CONTROL-TOWER-REPRESENTATION Guyed Wire Category Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

CONTROL-TOWER-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

CONTROL-TOWER-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

CONTROL-TOWER-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

CONTROL-TOWER-REPRESENTATION Material Composition Category Code

The code that indicates the characteristics of primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

CONTROL-TOWER-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

CONTROL-TOWER-REPRESENTATION Permanency Type Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

CONTROL-TOWER-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

CONTROL-TOWER-REPRESENTATION Structure Shape of Roof Code

The code that indicates the roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR51	With Steeple
SSR6	Conical/Peaked/NUN
SSR77	With Cupola
SSR80	With Minaret
SSR999	Other

CONTROL-TOWER-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

CONTROL-TOWER-REPRESENTATION Transportation Use Category Code

The code that identifies the primary user, function, or authority of the transportation system.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC12	Marine
TUC13	Air
TUC3	Railroad

CONTROL-TOWER-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

CONVEYOR

An apparatus for transporting bulk materials from place to place by means of a closed loop belt moving across and supported by a series of rollers.

CONVEYOR Identifier

The identifier that represents a specific CONVEYOR.

Data Type: Character-String **Length:** 35

CONVEYOR-REPRESENTATION

A model of a CONVEYOR.

CONVEYOR-REPRESENTATION Height Dimension

The measured vertical distance from the base of the CONVEYOR to its highest point.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999 **Unit of Measure:** Meters

CONVEYOR-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the CONVEYOR-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

CONVEYOR-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the CONVEYOR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

CONVEYOR-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the CONVEYOR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

COOLING-TOWER **New**

A structure designed to cool discharged water.

COOLING-TOWER Identifier **New**

The identifier that represents a specific POWER-PLANT-COOLING-TOWER.

Data Type: Character-String **Length:** 35

COOLING-TOWER Permanency Code **New**

The code indicating the permanency of the COOLING-TOWER.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

COOLING-TOWER Shape Type Code **New**

The code that represents the shape of a POWER-PLANT-COOLING-TOWER.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

COOLING-TOWER-REPRESENTATION New

A model of a COOLING-TOWER.

COOLING-TOWER-REPRESENTATION Height Dimension **New**

The vertical distance measured from the base of the POWER-PLANT-COOLING-TOWER to its highest point.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1

Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

COOLING-TOWER-REPRESENTATION Material Composition Code **New**

The code that represents the material used to construct the POWER-PLANT-COOLING-TOWER.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC2	Aluminum
MCC20	Composition
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry
MCC64	Metal
MCC72	Part Metal
MCC77	Prestressed Concrete
MCC83	Reinforced Concrete
MCC9	Brick
MCC999	Other

COORDINATE-SYSTEM

A system of Spatial Measurement.

COORDINATE-SYSTEM Class Code

The code that indicates the class of COORDINATE-SYSTEM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Cartesian
2	Ellipsoidal
3	Polar
4	Height

COORDINATE-SYSTEM Spatial Dimension Quantity

The number of spatial dimensions measured.

Data Type: Integer **Length:** 1 **Decimal Count:** 0

Min Value: 1 **Max Value:** 3 **Unit of Measure:** Dimensions

COUNTRY

A nation of the world.

COUNTRY Abbreviated Name

The abbreviated name form of a COUNTRY name.

Data Type: Character-String **Length:** 5

COUNTRY Code

The code that represents a COUNTRY.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
SeeFIPS104	See FIPS 10-4.

COUNTRY Postal Name

The name of a COUNTRY as constrained by postal addressing formats.

Data Type: Character-String **Length:** 35

COUNTRY Scope Note Text

Free form text explaining the geographical or political circumstance associated with a COUNTRY.

Data Type: Character-String **Length:** 50

COUNTRY-ADMINISTRATIVE-DIVISION

An administrative area directly subordinate to the pertinent governing authority of a country.

COUNTRY-ADMINISTRATIVE-DIVISION Code

The code that denotes a principal administrative division of a country.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
see FIPS 10-4	

COUNTRY-ADMINISTRATIVE-DIVISION Type Code

The code that represents the type of COUNTRY-ADMINISTRATIVE-DIVISION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
see FIPS 10-4	

COUNTRY-ADMINISTRATIVE-DIVISION-AIRSPACE

The special use airspace associated with an administrative area directly subordinate to the pertinent governing authority of a country.

COUNTRY-ADMINISTRATIVE-DIVISION-ASSOCIATION

An association of two COUNTRY-ADMINISTRATIVE-DIVISIONs.

COUNTRY-ADMINISTRATIVE-DIVISION-BOUNDARY-REPRESENTATION

A model of a COUNTRY-ADMINSTRATIVE-DIVISION boundary.

COUNTRY-ADMINISTRATIVE-DIVISION-NAME

A name applied to a COUNTRY-ADMINISTRATIVE-DIVISION.

COUNTRY-AGREEMENT

The association between a COUNTRY and an AGREEMENT.

COUNTRY-IMAGERY-TARGET

An association of a COUNTRY and an IMAGERY-TARGET.

COUNTRY-IMAGERY-TARGET Primary Indicator Code

The code that indicates whether a COUNTRY in an IMAGERY-TARGET is the primary country of interest.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Primary
2	Non-Primary

COUNTRY-NAME

A name applied to a COUNTRY.

COUNTRY-RELEASE-CONSTRAINT

A type of DATASET-RESTRICTION-RELEASE-CONSTRAINT that applies to a particular COUNTRY.

COUNTRY-SECURITY-CLASSIFICATION-SYSTEM

The SECURITY-CLASSIFICATION-SYSTEM associated with a COUNTRY.

COVERED-AND-UNCOVERED-MARITIME-WRECK-REPRESENTATION

A model of a type of MARITIME-WRECK-REPRESENTATION that is covered and uncovered by water as the tides change.

COVERED-AND-UNCOVERED-MARITIME-WRECK-REPRESENTATION Drying Height Dimension

The exposed height of a MARITIME-WRECK uncovered at the low water datum.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 20 **Unit of Measure:** Meters

COVERED-AND-UNCOVERED-REEF-REPRESENTATION

A type of REEF-REPRESENTATION that is covered and uncovered by water as the tides change.

COVERED-AND-UNCOVERED-REEF-REPRESENTATION Drying Height Dimension

The exposed height of a reef uncovered at the low water datum.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 99.99 **Unit of Measure:** Meters

CRANE

A machine for lifting, shifting, and lowering objects or materials by means of a swinging boom or with the lifting apparatus supported on an overhead track.

CRANE Category Code **New**

A code indicating the type of CRANE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CRA0	Unknown
CRA2	Bridge/Gantry
CRA3	Rotating
CRN01	Track Mounted, Overhead
CRN02	Shear LegS
CRN03	Boomtype

CRANE Condition Code **New**

A code indicating the state or condition of the CRANE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
COE0	Unknown
COE1	Definite
COE2	Doubtful
COE3	Reported
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

CRANE Guyed Category Code **New**

A code indicating the presence of support wires associated with the CRANE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

CRANE Mobility Category Code **New**

The code indicating the mobility of a crane type.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CRM0	Unknown
CRM1	Fixed
CRM2	Traveling
CRM3	Floating

CRANE Permanency Code **New**

The code indicating the permanency of the CRANE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

CRANE Transportation Use Code **New**

A code indicating the primary user, function, or authority of the CRANE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC12	Marine
TUC999	Other

CRANE Usage Code **New**

A code indicating the the primary user of the CRANE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE132	Container
USE999	Other

CRANE-REPRESENTATION

A model of a CRANE

CRANE-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the CRANE-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

CRANE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the CRANE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

CRANE-REPRESENTATION Location Category Code **New**

A code indicating the status of the CRANE-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC999	Other

CRANE-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the CRANE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC64	Metal
MCC999	Other

CRANE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

CRANE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the CRANE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

CREVICE

A fissure, crack, or rift in the Earth's surface.

CREVICE Identifier

A unique identifier for a CREVICE.

Data Type: Character-String **Length:** 35

CREVICE-REPRESENTATION

A model of a CREVICE.

CREVICE-REPRESENTATION Length Dimension

The linear distance of a CREVICE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CREVICE-REPRESENTATION Maximum Depth Dimension

The distance measured from the highest point at surface level to the lowest point of the CREVICE-REPRESENTATION below the surface.

Data Type: Floating-Point **Length:** 8 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99999.9 **Unit of Measure:** Meters

CREVICE-REPRESENTATION Predominant Depth Dimension

The average vertical depth of the CREVICE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CREVICE-REPRESENTATION Surface Material Category Code **New**

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC103	Snow/Ice
SMC104	Soil
SMC84	Rock/Rocky

CREVICE-REPRESENTATION Width Dimension

A linear distance taken at the top of a CREVICE-REPRESENTATION measured perpendicular to the length.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CRIB

A framework structure submerged or above water used to support pipelines, sewer lines, or out falls.

CRIB Identifier

The identifier that represents a CRIB.

Data Type: Character-String **Length:** 35

CRIB-REPRESENTATION

A model of a CRIB.

CRIB-REPRESENTATION Depth Dimension

The distance to a submerged CRIB top at low tide.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0 **Max Value:** 99.99 **Unit of Measure:** Meters

CRIB-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the CRIB-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

CRIB-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the CRIB-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

CRIB-REPRESENTATION Hydrographic Depth Height Code **New**

The code that provides information about the accuracy or availability of depth or uncovering height of a feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
HDI12	Depth Unknown
HDI13	Uncovering Height Known
HDI14	Uncovering Height Unknown
HDI15	Not Applicable
HDI9	Depth Known by Other Than Wire Drag

CRIB-REPRESENTATION Hydrographic Drying Height Dimension **New**

The height of the CRIB-REPRESENTATION, which tidal waters cover and uncover, referenced to a specified vertical datum.

Data Type:	Floating-Point	**Length:**	6	**Decimal Count:**	0
Min Value:	0.1	**Max Value:**	32767	**Unit of Measure:**	.1 meter

CRIB-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the CRIB-REPRESENTATION. For a round CRIB-REPRESENTATION, the diameter is measured.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

CRIB-REPRESENTATION Reported Year Date

The year that a CRIB was last reported to exist.

Data Type:	Date	**Length:**	4	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999	**Unit of Measure:**	None

CRIB-REPRESENTATION Tidal Vertical Reference Code

The code that denotes tidal-based water coverage of a CRIB.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at Hight Water)
VRR2	Awash
VRR4	Below Surface/Submerged
VRR8	Covers and Uncovers

CRIB-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the CRIB-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

CROSSING

A point where two or more line features intersect or cross at the same level.

CROSSING Category Code

Defines the method of traffic control for a CROSSING.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CSC2	Signal Devices
CSC3	Stop Sign(s)
CSC4	No control or warning signs.

CROSSING Identifier

The unique identifier for a CROSSING.

Data Type: Character-String **Length:** 35

CULTIVATED-AREA-TREE-FORMATION

The formation of trees within a cropland.

CULTIVATED-AREA-TREE-FORMATION Formation Type Code

The code that indicates the type of tree formation in a vegetated area.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Scattered
2	Row
3	Woodlot

CULTIVATED-VEGETATION-REPRESENTATION

A model of a vegetated area under cultivation.

CULTIVATED-VEGETATION-REPRESENTATION Farming Category Code **New**

Code indicating the type of field pattern or use.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
FTC0	Unknown
FTC1	Slash & Burn-Shifting cultivation
FTC3	Terraced
FTC4	Ditch Irrigation
FTC8	Crop Rotation
FTC999	Other

CULTIVATED-VEGETATION-REPRESENTATION Planting Catgory Code **New**

The code indicating the type of plant or plantings associated with the CULTIVATED-VEGETATION-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
FTC0	Unknown
FTC1	Slash & Burn - Shifting cultivation
FTC3	Terraced
FTC4	Ditch Irrigation
FTC8	Crop Rotation
FTC999	Other

CULTIVATED-VEGETATION-REPRESENTATION Row Horizontal Clearance Dimension

The clear horizontal distance between the rows of vegetation.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

CULTIVATED-VEGETATION-REPRESENTATION Row Orientation Type Code

The code that represents the orientation of the cultivated rows.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Azimuth
C	Contour

CULTIVATED-VEGETATION-REPRESENTATION Support Height Dimension

The height of a man-made structure used to assist in the growth of cultivated vegetation.

Data Type: Fixed-Point **Length:** 3 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9.9 **Unit of Measure:** Meters

CULTIVATED-VEGETATION-REPRESENTATION Wet Agriculture Code

The code that represents whether wet or dry agriculture is in use.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Dry Agriculture
W	Wet Agriculture

CULVERT

A conduit for the passage of surface drainage beneath a structure.

CULVERT Category Code **New**

The code that describes the categories of CULVERT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CTC1	Regular, Earth Back-Filled
CTC2	Box, Earth Back-Filled
CTC3	Box, Load Bearing

CULVERT Interior Shape Code

The code indicating the interior shape of the CULVERT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC110	Circular
SSC111	Elliptical
SSC112	Oblong
SSC113	Triangular
SSC114	Trapezoidal
SSC80	Rectangular

CULVERT-REPRESENTATION

A model of a CULVERT.

CULVERT-REPRESENTATION Cross Section Area

The area of a cross section of a CULVERT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Square Decimeters

CULVERT-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the CULVERT-REPRESENTATION. For a round CULVERT-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

CULVERT-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the CULVERT-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** .1 Meter

CURRENT-FLOW-REPRESENTATION

A model of current flow.

CURRENT-FLOW-REPRESENTATION Appearance Month Code

The code that indicates the month of the appearance of a current in a CURRENT-FLOW-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HS10	Unknown/Not Applicable
HS11	January
HS110	October
HS111	November
HS112	December
HS12	February
HS13	March
HS14	April
HS15	May
HS16	June
HS17	July
HS18	August
HS19	September

CURRENT-FLOW-REPRESENTATION Bearing Angle **New**

Bearing of movement or direction of the flow.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 360 **Unit of Measure:** degree

CURRENT-FLOW-REPRESENTATION Disappearance Month Code

The code that indicates the month of the disappearance of a current in a CURRENT-FLOW-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HS20	Unknown/Not Applicable
HS21	January
HS210	October
HS211	November
HS212	December
HS22	February
HS23	March
HS24	April
HS25	May
HS26	June
HS27	July
HS28	August
HS29	September

CURRENT-FLOW-REPRESENTATION Maximum Flow Rate

The maximum flow rate of a CURRENT-FLOW-REPRESENTATION.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1

Min Value: 0 **Max Value:** 50 **Unit of Measure:** Knots

CURRENT-FLOW-REPRESENTATION Minimum Flow Rate

The minimum flow rate of a CURRENT-FLOW-REPRESENTATION.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 50 **Unit of Measure:** Knots

CURRENT-FLOW-REPRESENTATION Type Code

The code that indicates the type of the horizontal movement of water within a CURRENT-FLOW-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
CUR0	Unknown
CUR1	Ebb
CUR2	Flood
CUR3	General Flow
CUR4	River Flow
CUR5	Ocean Flow

CUT

An excavation of the Earth's surface to provide passage for a road, railroad, canal, etc.

CUT Category Code

A code that indicates whether a CUT has one or two sides.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CET1	One Side
CET2	Both Sides

CUT Identifier

The identifier that represents a CUT.

Data Type: Character-String **Length:** 35

CUT-REPRESENTATION

A model of a CUT.

CUT-REPRESENTATION Below Surface Depth Dimension **New**

Distance measured from the highest point at surface level to the lowest point of the CUT-REPRESENTATION below the surface.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** Meter

CUT-REPRESENTATION Derived Obstacle Depth Category Code **New**

Categorized maximum depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	<5.0 and <=10.0
OHD3	>10.0 and <20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

CUT-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes of the CUT-REPRESENTATION. For a round CUT-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

CUT-REPRESENTATION Predominant Depth Dimension

The average vertical depth of the CUT-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

CUT-REPRESENTATION Slope Rate

The maximum percentage of incline from the horizontal plane of the side of the CUT-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Percent

CUT-REPRESENTATION Surface Material Code

The material of a surface in which the CUT exists.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC30	Earthen
SMC84	Rock/Rocky

CUT-REPRESENTATION Width Dimension

A linear distance taken at the top of a CUT-REPRESENTATION measured perpendicular to the length.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

DAM

An INLAND-WATER-CONTROL-STRUCTURE placed as a barrier across a watercourse.

DAM Design Type Code

The code that represents the design type of a DAM.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
DDT1	Arch
DDT2	Buttress
DDT3	Gravity
DDT4	Multi-Arch
DDT5	Other
DDT6	Gated
DDT7	Weir
DDT8	Flood Barrage

DAM-GATE

A device for controlling the passage of water through a DAM.

DAM-GATE Type Code

The code that represents the type of DAM-GATE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
GNC5	Tainter
GNC6	Hinge-Crest
GNC7	Sluice

DAM-GATE-REPRESENTATION

Model of a DAM-GATE.

DAM-GATE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the DAM-GATE-REPRESENTATION. For a round DAM-GATE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

DAM-GATE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the DAM-GATE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal

DAM-GATE-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes of the DAM-GATE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

DAM-REPRESENTATION

A model of a DAM.

DAM-REPRESENTATION Condition Code — New

A code indicating the state or condition of the DAM-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

DAM-REPRESENTATION Conspicuousness Code — New

A code indicating the conspicuous nature of the DAM-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

DAM-REPRESENTATION Dam Face Type Code — New

Code indicating the type of face of a dam.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
DFT0	Unknown
DFT1	Vertical
DFT2	Slope

DAM-REPRESENTATION Downstream Height Dimension

The vertical height on the downstream side of the DAM from the lowest point to the crest of the DAM.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

DAM-REPRESENTATION Downstream Slope Rate

The rate of incline of the downstream face of the DAM.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

DAM-REPRESENTATION Highest Z-Value Dimension — New

The elevation above a given datum to the highest portion of the DAM-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

DAM-REPRESENTATION Inland Water Obstruction Code **New**

A code that indicates that a DAM-REPRESENTATION in an inland water body is an obstruction to vessel movement.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
IWO0	Unknown
IWO1	Obstruction
IWO2	Not an Obstruction

DAM-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the DAM-REPRESENTATION. For a round DAM-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

DAM-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the DAM-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC9	Brick
MCC999	Other

DAM-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

DAM-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the DAM-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

DAM-REPRESENTATION Source Category Code **New**

The code indicating the source from which the DAM-REPRESENTATION is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC1	Survey Source
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

DAM-REPRESENTATION Top Width Dimension **New**

The width at the top of a DAM-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

DAM-REPRESENTATION Transportation Use Code **New**

A code indicating the primary user, function, or authority of the DAM-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC3	Railroad
TUC35	No Transport Use
TUC4	Road
TUC999	Other

DAM-REPRESENTATION Upstream Height Dimension

The vertical height on the upstream side of the DAM from the lowest point to the crest of the DAM.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

DAM-REPRESENTATION Upstream Slope Rate

The rate of incline of the upstream face of the DAM.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

DAM-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the DAM-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

DAM-REPRESENTATION Width of Crest Dimension **New**

Predominant distance across the crest of the dam, measured perpendicular to the centerline of its length along the crest.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** Meter

DANGER-AREA-DUMPING-GROUND-REPRESENTATION-FOR-HAZMAT-AREA

A model of an area in which hazardous materials are disposed of.

DANGER-AREA-DUMPING-GROUND-REPRESENTATION-FOR-HAZMAT-AREA Operational Status Code

Indicates whether an area is actively being used to dispose of hazardous materials.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OPS1	Operational
OPS2	Non-Operational

DANGER-AREA-DUMPING-GROUND-REPRESENTATION-FOR-HAZMAT-AREA Product Name

The name of the product in a HAZMAT dumping ground.

Data Type: Character-String **Length:** 100

DANGER-AREA-MINE-REPRESENTATION-DANGER-AREA

A model of a danger area within which explosive mines may exist.

DANGER-AREA-MINE-REPRESENTATION-DANGER-AREA Maintenance Status Code

Indicates whether or not a mine danger area is maintained for defense purposes.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
MAS1	Maintained
MAS2	Not Maintained

DATASET

A set of related data organized for a purpose.

DATASET Complexity Level Text

The text that identifies the level of complexity that has been assigned to a DATASET.

Data Type: Character-String **Length:** 50

DATASET Edition Number Identifier

The edition number of the DATASET.

Data Type: Character-String **Length:** 5

DATASET Identifier

The identifier that represents a DATASET.

Data Type: Character-String **Length:** 80

DATASET Mission Identifier

The identifier that represents the number assigned to the reconnaissance mission.

Data Type: Character-String **Length:** 7

DATASET Overview File Name

The name of an overview file.

Data Type: Character-String **Length:** 255

DATASET Product Short Title Code

The code that identifies the abbreviated name of a DATASET product.

Data Type: Character-String **Length:** 10

Domain Valid Value	Domain Value Definition
$AAXXXXXXX	User Site Unique (where $ is the special code indicating user site unique product, AA is producer code, and 7X is site unique PSN)
AAR	Accuracy Assessment Report
ADRG	Arc-Digitized Raster Graphics
ADRI	ADRI Broad Area Coverage
AESB	Amphibious Exercise Study Book
AIAS	Amphibious Intelligence Area Study
AMSD	Adjusted Mapping Support Data
ANGLY	Anaglyph
ANIMG	Annotated Image, to include Annotated SIDS, Annotated Print, Point Tgt Msn Spt Image, Area Cvg Msn Spt Image, RFI Spt Image, Range Tng/Exer Imagery, Mosaics, Image Map
ANMS	Amphibious/Noncombatant Evacuation Order (NEO) Misc
APG	Aimpoint Graphic
ASD	Accuracy Summary Data
AWSIMG	Advance Weapon System SPT Image
BIIB	Basic Imagery Interpretation Brief
BIIR	Basic Imagery Interpretation Report
BRFBD	Briefing Boards
BRFIMG	HQ ACC, 480IG Intel Briefs
BTG	Basic Target Graphic
CADRG	Compressed Arc-Digitized Raster Graphics
CIB	Controlled Image Base
CSP	Contingency Support Package
DAFIF	Digital Aeronautical Flight Information File
DAHI	Daily Highlights
DCP	Digital Control Point
DEPPKG	Pre-Deployment Package
DFAD	Digital Feature Analysis Data
DFAD-V	Digital Feature Analysis Data (Vector)
DFAD1	Digital Feature Analysis Data Level 1
DFAD1-2D	Digital Feature Analysis Data Level 1-2 Dimensional
DFAD1C	Digital Feature Analysis Data Level 1C
DFAD2	Digital Feature Analysis Data Level 2
DFAD2-2D	Digital Feature Analysis Data Level 2-2 Dimensional
DFAD3C	Digital Feature Analysis Data Level 3C
DIPFAC	Diplomatic Facilities Package
DNC	Digital Nautical Chart
DPPDB	Digital Point Positioning Data Base
DPPRG	DPP Reference Package
DTED	Digital Terrain Elevation Data

DTED0	Digital Terrain Elevation Data Level 0
DTED1	Digital Terrain Elevation Data Level 1
DTED2	Digital Terrain Elevation Data Level 2
DTM	Digital Target Material
DTOP	Digital Topographic Data
DVOF	NIMA Vertical Obstruction File
ESD	Exploitation Support Data
FACEMB	Facility/Embassy Graphic
FFD	Feature Foundation Data
FRDSDD	Full Resolution Data Set Definition Data
GCGSD	Global Command and Control System (GCCS) Graphic
GEONAME	Geographic Names
GOD	Graphic Overlay Data
GRAPHIC	NIMA Library Graphic Maps and Charts
GRG	Gridded Reference Graphic
HHIMG	Hand Held, to include Ground Photo
HTG	Hardened Target Graphic
HYDRO-DIGITAL	Digital Hydrographic Data
HYDROGRAPHIC	Hydrographic Data
IAB	Imagery Analysis Brief (Mini-Board)
IAF	Image Assessment File
IAM	Imagery Analysis Memorandum
IAN	Imagery Analysis Note
IAR	Imagery Analysis Report
IDF	Instrument Data File
IES	Imagery Executive Summary
Imagery	Imagery
IPIR	Initial Phase Interpretation Report
ISP	Imagery Support Package
ITD	Interim Terrain Data
ITD-2D	Interim Terrain Data - 2 Dimensional
ITG	Infrared Target Graphic
ITT	Interactive Training Tool
Keys	IA Keys
LDB	LANT Daily Brief
LNDRW	Line Drawing
MAP	Maps
MDITS	MSD Derived Imagery & Target Status
MMSD	Metric Mapping Support Data
MPR	Monthly Performance Report
MSD	Mapping Support Data
MSD (I)	Mapping Support Data for Single Image
MSD Constants	Mapping Support Data Constants
MSI	Multi-Spectral Imagery Products

MSSIM	SDRI/ADR/DTED Cells
MTE	Maximum Terrain Elevation (Mini-bloc)
NBRG	National Basic Reference Guide
NEOHBK	NEO Intel Support Handbook (SOUTHCOM)
NISH	NEO Intel Support Handbook
OPAQUE	Opaque files
Ortho	Orthorectified Mosaic Image Product
OSB	Operations Support Package
PDTI	Processed Digital Tactical Imagery
PEPIR	Preliminary Exploitation Phase Interpretation Report
PITD	Planning Interim Terrain Data
PL	Plot Sheet
QRG	Quick Reference Guide
RECIMG	Recognition Guides
RECSLD	Recognition Slides
RMDS	Radar Mapping Support Data
RMMSD	Radar Metric Mapping Support Data
RPF	Raster Product Format
RTG	Radar Target Graphic
SAO	Special Activities Office (SAO Package)
SIIR	Special Imagery Interpretation Report
SSSG	Special Support Section Graphic
STG	Seasonal Target Guide
SUPIR	Supplemental Phase Interpretation Report
SYSA-E	Enhanced System A
SYSA-I	Improved System A
SYSB	System B
SYSB-H	Hybrid System B
SYSC	System C
SYSD	System D
TERCOM-E	Terrain Contour Matching - Enroute
TERCOM-L	Terrain Contour Matching - Landfall
TERCOM-M	Terrain Contour Matching - Midcourse
TERCOM-T	Terrain Contour Matching - Terminal
TEXT	Nima Library Textual Documents
TFADS-A	Table Formatted Aeronautical Data Set
TIP	Target Intelligence Package
TPRPT	Topic Report (Data Base Entry Message)
TRTG	Training Target Graphic
TSP	Target Support Package
TTG	Tactical Training Graphic
UCMD	Universal Cassette Manifest Data
UEIMG	Unexploited Image
UIAF	Universal Image Assessment File

UNDETERMINED	All other
USMSD	Universal Sensor Mapping Support Data
UVMap	Urban Smart Vector Map
VIDEO	Video Data
VITD	Vector Interim Terrain Data
VMAP	Vector Smart Map
VMAP0	Vector Smart Map Level 0
VMAP1	Vector Smart Map Level 1
VPF	Vector Product Format
WAGSD	Warrior Graphic Situation Display
WMED	World Mean Elevation Data
WVSPlus	World Vector Shoreline Plus.

DATASET Progress Code

The code indicating the state of the DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Complete
I	In-Work
P	Planned

DATASET Project Identifier

The identifier that represents the project associated with the DATASET.

Data Type: Character-String **Length:** 2

DATASET Publication Place Name

The name of the geopolitical area where the DATASET was published.

Data Type: Character-String **Length:** 80

DATASET Purpose Text

A description of purpose for which the DATASET was created.

Data Type: Character-String **Length:** 1024

DATASET Remark Text

Other descriptive information about the DATASET.

Data Type: Character-String **Length:** 1010

DATASET Reporting Product Code

The code that identifies the reporting product code for the product stored in the archive.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
Refer to USIS Directive 21.1; 9 February 1995 Appendix 6	"CIO Reporting Product Code"

DATASET Scale Denominator Rate

The scale of the DATASET using the representative fraction denominator. The numerator is always 1.

Data Type: Integer **Length:** 9 **Decimal Count:** 0
Min Value: 1 **Max Value:** 999999999 **Unit of Measure:** Each

DATASET Series Indicator Code

The code that indicates whether a DATASET is part of a series.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	In a series
2	Not in a series

DATASET Size Quantity

The quantity that states the size of the DATASET.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999999999 **Unit of Measure:** Bytes

DATASET Subject Text

The field of knowledge to which the DATASET belongs.

Data Type: Character-String **Length:** 50

DATASET Thumbnail File Name

The name of the thumbnail file.

Data Type: Character-String **Length:** 255

DATASET Title Text

The name by which the DATASET is known.

Data Type: Character-String **Length:** 255

DATASET Type Code

The code that indicates the kind of DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	IMAGE DATASET
2	TEXT-DATASET
3	IMAGE-SUPPORT DATA

DATASET Update Interval Code

The code indicating frequency with which changes and additions are made to the DATASET after the initial dataset is completed.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	28-Days
02	Annually
03	As-Needed
04	Continually
05	Daily
06	Irregularly
07	Monthly
08	None-Planned
09	Unknown
10	Weekly

DATASET-ALTERNATE-DESIGNATOR

Information about alternate methods for designating a DATASET.

DATASET-ALTERNATE-DESIGNATOR Context Text

The text that provides the contextual information for a DATASET-ALTERNATE-DESIGNATOR.

Data Type: Character-String **Length:** 255

DATASET-ALTERNATE-DESIGNATOR Type Code

The code denoting the alternate method for designating a particular DATASET.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Abbreviated-Title
02	Alternate-Title
03	Distributor's-Dataset-Identifier
04	NIMA-Stock-Number
05	DPS-ID (HYSAS)
06	HYSAS-Chart-ID
07	Internal-Product-ID (CSPE)
08	ISBN
09	Library-of-Congress-Number
10	National-Stock-Number
11	Source-Data-ID (HYSAS)
12	Stock-Code (MCS)
13	Security Control Number
14	Image Identifier
15	Product Access Identifier
16	Map Identifier
17	Product Identification Number
18	Associated Report
19	Associated Map

DATASET-ALTERNATE-DESIGNATOR Value Text

The value of the alternate designator for the dataset.

Data Type: Character-String **Length:** 255

DATASET-ASSESSMENT

The results of an examination of a DATASET to determine its quality against a set of criteria.

DATASET-BOUNDING-POLYGON

An area of inclusion or exclusion which is covered in the DATASET.

DATASET-BOUNDING-POLYGON Sequence Identifier

The sequence number that represents a specific bounding polygon for a particular dataset.

Data Type: Character-String **Length:** 2

DATASET-BOUNDING-POLYGON Type Code

The method for specifying whether the polygon defines the exterior boundary or an inclusionary or exclusionary area.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Bounding
2	Exclusion
3	Inner-Inclusion

DATASET-BOUNDING-POLYGON-POINT

The association between a specific POINT and a BOUNDING-POLYGON-POINT.

DATASET-BOUNDING-POLYGON-POINT Sequence Identifier

The identifier that represents the order of a DATASET-BOUNDING-POLYGON-POINT within the bounding line of a DATASET-BOUNDING-POLYGON.

Data Type: Character-String **Length:** 2

DATASET-CHARACTER-CODE **New**

An allowable character code for a DATASET.

DATASET-CHARACTER-CODE Code **New**

The Code that indicates the type of character encoding in DATASET text.

Data Type: Character-String **Length:** 10

Domain Valid Value	Domain Value Definition
TBD	

DATASET-CITATION-ASSOCIATION

The association of one DATASET that is the citation or reference for another DATASET.

DATASET-CITATION-ASSOCIATION Description Text

The text that describes a DATASET-CITATION-ASSOCIATION.

Data Type: Character-String **Length:** 255

DATASET-CITATION-ASSOCIATION Reason Code

The code that indicates the justification for the correlation of two DATASETs.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Stereo-Mate
02	Description
03	Definition
04	Provides Guidance
05	Associated Text

DATASET-COMPLIANCE-DOCUMENT

An association between a DATASET and a DOCUMENT that is issued to measure the DATASET's compliance with a set of criteria.

DATASET-COMPLIANCE-DOCUMENT Compliance Level Text

The text that describes the level of compliance for a DATASET-COMPLIANCE-DOCUMENT.

Data Type: Character-String **Length:** 100

DATASET-CONTENT-COMPONENT

An item of functional interest included within a DATASET.

DATASET-CONTENT-COMPONENT Order of Battle Type Code

The code that indicates the type of order of battle associated with the content item found in a DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Air Force
B	IDB Cross Principle
C	Civilian
E	Net
F	SMOB
G	Army
H	DMOB
J	SOB
K	TMOB
N	Navy
P	Para-Military
S	Strategic Forces
X	ADOB

DATASET-CONTENT-COMPONENT Remarks Text

The text that describes the remarks concerning an item of functional interest included within a DATASET.

Data Type: Character-String **Length:** 255

DATASET-CONTENT-COMPONENT Sequence Identifier

The identifier that represents a particular DATASET-CONTENT-COMPONENT within a DATASET.

Data Type: Character-String **Length:** 15

DATASET-CONTENT-COMPONENT Type Code

The code that represents the type of DATASET-CONTENT-COMPONENT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	EQUIPMENT-DATASET-COMPONENT
02	EVENT-DATASET-COMPONENT
03	PERSON-DATASET-COMPONENT
04	GEOSPATIAL-FEATURE-REPRESENTATION-DATASET-COMPONENT
05	IMAGERY-TARGET-DATASET-COMPONENT

DATASET-CONTENT-COMPONENT Type Order of Battle Code

The code that indicates the type of equipment found in a DATASET that leads to an order of battle designation.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
AAA	Anti-Aircraft Artillery and Related Equipment
AOB	Aircraft and Related Equipment
BCW	Biological and Chemical Warfare
DMY	Objects Fabricated and Installed for the Purpose of Deception
ELC	Communications, Radar, and Other Electronic Equipment
GFW	Ground Force Weapons and Equipment
MIS	Missile and Related Equipment
NUC	Nuclear-Related Equipment
NVL	Naval and Merchant Vessels
OBJ	Objects and Equipment not Included in the Above Categories, such as Crates, Rolling Stock, Miscellaneous Support Equipment

DATASET-COUNTRY

The association of a particular DATASET to a particular COUNTRY.

DATASET-COUNTRY Role Code

The code that indicates the type of relationship between a DATASET and a COUNTRY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Producer Country

DATASET-DIRECT-ACCESS-FILE-LOCATION

A DATASET-DIRECT-ACCESS-LOCATION that is a file address.

DATASET-DIRECT-ACCESS-FILE-LOCATION Text

The text of a file address.

Data Type: Character-String **Length:** 255

DATASET-DIRECT-ACCESS-LOCATION

The location accessible by a user directly without recourse to an order for delivery.

DATASET-DIRECT-ACCESS-LOCATION Sequence Identifier

The identifier that represents a particular DATASET-DIRECT-ACCESS-LOCATION.

Data Type: Character-String **Length:** 15

DATASET-DIRECT-ACCESS-LOCATION Type Code

The that indicates the type of DATASET-DIRECT-ACCESS-LOCATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Universal Resource Locator (URL)
2	File location

DATASET-DIRECT-ACCESS-UNIFORM-RESOURCE-LOCATOR

A DATASET-DIRECT-ACCESS-LOCATION that is a Universal Resource Locator address.

DATASET-DIRECT-ACCESS-UNIFORM-RESOURCE-LOCATOR Protocol Code

The code that indicates the Internet protocol used for this DATASET-DIRECT-ACCESS-LOCATION-UNIVERSAL-RESOURCE-LOCATOR.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
ftp	File Transfer Protocol
http	Hyper Text Transfer Protocol

DATASET-DIRECT-ACCESS-UNIFORM-RESOURCE-LOCATOR Text

The text of the DATASET-DIRECT-ACCESS-LOCATION-UNIVERSAL-RESOURCE-LOCATOR.

Data Type: Character-String **Length:** 255

DATASET-DOCUMENT

The association between a DATASET and a DOCUMENT.

DATASET-DOCUMENT Role Code

The code that represents the role that a DATASET-DOCUMENT plays.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	DATASET-COMPLIANCE-DOCUMENT

DATASET-EVENT

Information about events relating to the DATASET, or its manipulation.

DATASET-EVENT Calendar Date

The date associated with a specific DATASET-EVENT.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** Date

DATASET-EVENT Date Time Type Code

The code that identifies the method for specifying the DATASET-EVENT date and time.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Beginning
2	Ending
3	Period
4	Single

DATASET-EVENT Description Text

Comments describing the DATASET-EVENT.

Data Type: Character-String **Length:** 2040

DATASET-EVENT Sequence Identifier

The identifier that represents the order of a DATASET-EVENT.

Data Type: Character-String **Length:** 3

DATASET-EVENT Time

The time associated with a specific DATASET-EVENT.

Data Type: Fixed-Point **Length:** 9 **Decimal Count:** 2

Min Value: 0 **Max Value:** 240000 **Unit of Measure:** Time

DATASET-EVENT Type Code

The code that represents the class of a DATASET-EVENT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Publication
02	Approval Date
03	Release Date
04	Image Collection
05	Archive Date
06	Catalog Date
07	Security Classification
08	Security Classification Downgrade
09	Security Declassification
10	Created
11	Modified
12	Process Step
13	Temporal Extent
14	Compression
15	Issue Date
16	Match-Merge
17	Maintenance
18	Requested
19	Received
20	Activation
21	Deactivation
22	Problem Start
23	Problem End
24	Source Query
25	MIDB Query
26	Commonality Query
27	NDS Query
28	5D/IPL Query
29	Mensuration
30	Graphic Completion
31	5D/IPL Load
32	Cutoff Date

DATASET-EVENT-BEGIN

Beginning date and time information for a DATASET-EVENT.

DATASET-EVENT-END

Ending date and time information for a DATASET-EVENT.

DATASET-IMAGE-TILING-ASSOCIATION

The association of an individual IMAGE-DATASET with a larger IMAGE-DATASET through a tiling organization.

DATASET-IMAGE-TILING-ASSOCIATION End Column Identifier

The ending column block is the offset, in blocks, of the last block of the image in the cross-scan direction relative to start of the original reference image tiling.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999999 **Unit of Measure:** Tiles

DATASET-IMAGE-TILING-ASSOCIATION End Tile Row Identifier

The ending row block is the offset, in blocks, of the last block in the along-scan direction relative to start of the original reference image tiling.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999999 **Unit of Measure:** tiles

DATASET-IMAGE-TILING-ASSOCIATION Start Column Identifier

The offset of the first tile in the cross-scan direction relative to start of the original image tiling.

Data Type: Character-String **Length:** 8

DATASET-IMAGE-TILING-ASSOCIATION Start Tile Row Identifier

The offset of the first tile in the along-scan direction relative to start of the original image tiling.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999999 **Unit of Measure:** Tiles

DATASET-KEYWORD

Common use word or phrase used to describe the subject of the DATASET.

DATASET-LANGUAGE

The association between a DATASET and a LANGUAGE appearing in the DATASET.

DATASET-MINIMUM-BOUNDING-RECTANGLE

The Earth coverage limits of a DATASET expressed as a set of bounding latitudes and longitudes.

DATASET-MINIMUM-BOUNDING-RECTANGLE East Bounding Longitude Coordinate

The eastern-most longitude of the limit of coverage of the DATASET.

Data Type: Fixed-Point **Length:** 10 **Decimal Count:** 2
Min Value: -180 **Max Value:** 180 **Unit of Measure:** Degrees

DATASET-MINIMUM-BOUNDING-RECTANGLE North Bounding Latitude Coordinate

The northern-most latitude of the limit of coverage of the DATASET.

Data Type:	Fixed-Point	**Length:**	10	**Decimal Count:**	6
Min Value:	-90	**Max Value:**	90	**Unit of Measure:**	Degrees

DATASET-MINIMUM-BOUNDING-RECTANGLE South Bounding Latitude Coordinate

The southern-most latitude of the limit of coverage of the DATASET.

Data Type:	Fixed-Point	**Length:**	10	**Decimal Count:**	6
Min Value:	-90	**Max Value:**	90	**Unit of Measure:**	Degrees

DATASET-MINIMUM-BOUNDING-RECTANGLE West Bounding Longitude Coordinate

The western-most longitude of the limit of coverage of the DATASET.

Data Type:	Fixed-Point	**Length:**	10	**Decimal Count:**	2
Min Value:	-180	**Max Value:**	180	**Unit of Measure:**	Degrees

DATASET-ORGANIZATION

The association of a specific ORGANIZATION to a specific DATASET.

DATASET-ORGANIZATION Role Code

The code that represents the role that an ORGANIZATION plays in regard to a DATASET.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Approver
02	Archiver
03	Auditor
04	Author
05	Certifier
06	Collector
07	Contributor
08	Custodian
09	Definer-of-Requirements
10	Distributor
11	Evaluator
14	Maintainer
15	Originator
16	Point-of-Contact
17	Publisher
18	Requester
19	Survey-Planner
20	Verifier
21	Exploiter
22	Validator

DATASET-PERSON

The association of a specific PERSON to a specific DATASET.

DATASET-PERSON Role Code

The code that represents the role that a person plays in regard to a dataset.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Approver
02	Archiver
03	Auditor
04	Author
05	Certifier
06	Classification-Authorizer
07	Collector
08	Contributor
09	Custodian
10	Definer-of-Requirements
11	Evaluator
12	Licensee
13	Licenser
14	Maintainer
15	Originator
16	Point-of-Contact
17	Publisher
18	Requester
19	Survey-Planner
20	Verifier
21	Analyst
22	Classification Authorizer
23	Publisher
24	Validator
25	Interpreter

DATASET-PERSON-ORGANIZATION

The association of a DATASET-PERSON and an ORGANIZATION.

DATASET-PERSON-ORGANIZATION Role Code

The code that represents the role that a PERSON associated with a DATASET-ORGANIZATION plays in regard to a DATASET.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Approver
02	Archiver
03	Auditor
04	Author
05	Certifier
06	Classification-Authorizer
07	Collector
08	Contributor
09	Custodian
10	Definer-of-Requirements
11	Evaluator
12	Licensee
13	Licenser
14	Maintainer
15	Originator
16	Point-of-Contact
17	Publisher
18	Requester
19	Survey-Planner
20	Verifier
21	Analyst
22	Classification Authorizer
23	Publisher
24	Validator
25	Interpreter

DATASET-REFERENCE-COORDINATE-SYSTEM

An association between a DATASET and a REFERENCE-COORDINATE-SYSTEM.

DATASET-REFERENCE-COORDINATE-SYSTEM Type Code

The code that indicates how a REFERENCE-COORDINATE-SYSTEM is used by a DATASET.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
1	is horizontal reference for a DATASET content
2	is vertical reference for DATASET content.
3	is 3D reference for DATASET content
4	is horizontal reference for DATASET minimum bounding rectangle.

DATASET-REFERENCE-COORDINATE-SYSTEM Validity Domain Text **New**

The text that describes how a REFERENCE-COORDINATE-SYSTEM is used within a DATASET.

Data Type: Character-String **Length:** 255

DATASET-REPORTED-USE

Basic information about specific applications for which the DATASET has been, or is being used.

DATASET-REPORTED-USE Sequence Identifier

The unique identifier that represents a specific DATASET-REPORTED-USE.

Data Type: Character-String **Length:** 2

DATASET-REPORTED-USE Text

A description of the specific applications for which the DATASET has been, or is being used.

Data Type: Character-String **Length:** 4080

DATASET-RESTRICTION

The association that defines the restrictions that exist for a DATASET.

DATASET-SERIES

A grouping of DATASETs.

DATASET-SERIES Abstract Text

A brief narrative summary of the DATASET-SERIES.

Data Type: Character-String **Length:** 4080

DATASET-SERIES Level of Detail Text

Comments describing the level of detail captured in the DATASET-SERIES.

Data Type: Character-String **Length:** 1020

DATASET-SERIES Name

The name of the series publication of which the DATASET is a part of.

Data Type: Character-String **Length:** 50

DATASET-SERIES Purpose Text

A summary of the intentions for which the DATASET-SERIES was developed.

Data Type: Character-String **Length:** 2040

DATASET-SOURCE-ASSOCIATION

The association of one DATASET that is the source for another DATASET.

DATASET-SOURCE-ASSOCIATION Description Text

The text that describes the association of one DATASET that is the source for another DATASET.

Data Type: Character-String **Length:** 255

DATASET-SOURCE-ASSOCIATION Order Identifier

The identifier that represents the sequential order of a subsidiary DATASET within a group of subsidiary DATASETs.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 1 **Max Value:** 999 **Unit of Measure:** None

DATASET-SOURCE-ASSOCIATION Reason Code

The code that indicates the reason for the association of one DATASET that is the source for another DATASET.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Mosaic
02	Overlay
03	Fusion
04	Thumbnail
05	Digital Extraction
06	Hardcopy Digitization
07	Copy
08	Part of Larger Work
09	Image Segment

DATASET-SOURCE-ASSOCIATION Type Code

The code that indicates the organization of the DATASET-SOURCE-ASSOCIATION.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Image Tiling
999	Not Applicable

DATASET-SUBREGION

A spatially delimited portion of a DATASET.

DATASET-SUBREGION Creation Date

The date that a DATASET-SUBREGION was created.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** Date

DATASET-SUBREGION Delimiter Type Code

The code that represents the method by which the DATASET-SUBREGION is delimited.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Delimited Geometrically
2	Delimited as a set of Raster Objects

DATASET-SUBREGION Description Text

The open text field that describes the DATASET-SUBREGION.

Data Type: Character-String **Length:** 1000

DATASET-SUBREGION Sequence Identifier

The identifier that represents a particular DATASET-SUBREGION.

Data Type: Character-String **Length:** 20

DATASET-SUBREGION-ASSESSMENT

The results of an examination of a DATASET-SUBREGION to determine its quality against a set of criteria.

DATASET-SUBREGION-BOUNDING-POLYGON

A structure that geometrically bounds a DATASET-SUBREGION.

DATASET-SUBREGION-BOUNDING-POLYGON Sequence Identifier

The identifier that represents a particular DATASET-SUBREGION-BOUNDING-POLYGON.

Data Type: Character-String **Length:** 20

DATASET-SUBREGION-BOUNDING-POLYGON Type Code

The code that indicates the interpretation of the bounding polygon.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Inclusion
2	Exclusion

DATASET-SUBREGION-BOUNDING-POLYGON-POINT

A POINT that acts as a vertex for two LINEs that are part of a DATASET-BOUNDING-POLYGON.

DATASET-SUBREGION-BOUNDING-POLYGON-POINT Sequence Identifier

The identifier that represents the sequential position of a DATASET-SUBREGION-BOUNDING-POLYGON-POINT.

Data Type: Character-String **Length:** 15

DATASET-SUBREGION-COMPONENT

The subregion(s) of functional interest included in a DATASET.

DATASET-SUBREGION-COMPONENT-ASSESSMENT

The results of an examination of a DATASET-SUBREGION-COMPONENT to determine its quality against a set of criteria.

DATASET-SUBREGION-DATASET-SOURCE-ASSOCIATION

The association of a DATASET-SUBREGION and a DATASET-SOURCE-ASSOCIATION.

DATASET-SUBREGION-DATASET-SOURCE-ASSOCIATION Description Text

A textual description of the source DATASET's that are present in a DATASET-SUBREGION.

Data Type: Character-String **Length:** 1000

DATASET-SUBREGION-GEOMETRY-DELIMITER

A type of DATASET-SUBREGION delimiter that is expressed geometrically.

DATASET-SUBREGION-GEOMETRY-DELIMITER Type Code

The code that indicates the type of geometric delimiting for a DATASET-SUBREGION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Polygon Bounded
2	Rectangle Bounded

DATASET-SUBREGION-GEOMETRY-DELIMITER-POLYGON

A dataset subregion delimited by one or more polygons.

DATASET-SUBREGION-GEOMETRY-DELIMITER-RECTANGLE

A dataset subregion delimited by a rectangle.

DATASET-SUBREGION-RASTER-DATASET-DELIMITER

A type of DATASET-SUBREGION delimiter that is expressed through RASTER-OBJECT-GEOMETRY.

DATASET-VERTICAL-EXTENT

The highest and lowest elevation covered in a DATASET.

DATASET-VERTICAL-EXTENT Maximum Dimension

The maximum vertical extent within a DATASET.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: -12000 **Max Value:** 100000 **Unit of Measure:** Meters

DATASET-VERTICAL-EXTENT Minimum Dimension

The minimum vertical extent within a DATASET.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: -12000 **Max Value:** 100000 **Unit of Measure:** Meters

DECENTERING-LENS-CORRECTION

Data required for the correction of lens decentering.

DECENTERING-LENS-CORRECTION First Coefficient Quantity

First coefficient of decentering lens distortion correction for frame images.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Inverse meters

DECENTERING-LENS-CORRECTION Formula Text

The text description of the use of the DECENTERING-LENS-CORRECTION coefficients.

Data Type: Character-String **Length:** 2000

DECENTERING-LENS-CORRECTION Second Coefficient Quantity

Second coefficient of decentering lens distortion correction for frame images.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Inverse meters

DECENTERING-LENS-CORRECTION Third Coefficient Quantity

Third coefficient of decentering lens distortion correction for frame images.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Inverse meters

DECKED-BERTHING-STRUCTURE

A BERTHING-STRUCTURE with a horizontal surface that facilitates ship to shore transfers.

DECKED-BERTHING-STRUCTURE Deck Quantity

The quantity of working levels on a DECKED-BERTHING-STRUCTURE.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 1 **Max Value:** 5 **Unit of Measure:** Each

DECKED-BERTHING-STRUCTURE Face Category Code **New**

The code that describes whether a pier or quay is of solid, closed construction or of open pile construction.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
FAC0	Unknown
FAC1	Open
FAC2	Solid Face

DECKED-BERTHING-STRUCTURE Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the DECKED-BERTHING-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC15	Solid/Filled
SSC46	Open

DECKED-BERTHING-STRUCTURE Type Code

The code that represents the type of DECKED-BERTHING-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BB042	MOLE
BB190	PIER
BB191	QUAY
BB192	WHARF

DECKED-BERTHING-STRUCTURE-REPRESENTATION

A model of a DECKED-BERTHING-STRUCTURE.

DECKED-BERTHING-STRUCTURE-REPRESENTATION Existence Category Code **New**

The code indicating the state or condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused

DECKED-BERTHING-STRUCTURE-REPRESENTATION Height Dimension

The height measured from the lowest point at water level to the tallest point of the DECKED-BERTHING-STRUCTURE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99.9 **Unit of Measure:** Meters

DECKED-BERTHING-STRUCTURE-REPRESENTATION Location Category Code **New**

A code indicating the status of the DECKED-BERTHING-STRUCTURE-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC15	On Water Surface/Floating
LOC30	Non-Floating

DECKED-BERTHING-STRUCTURE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the DECKED-BERTHING-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC84	Rock/Rocky
SMC999	Other

DECKED-BERTHING-STRUCTURE-REPRESENTATION Usage Code **New**

A code indicating the the primary user of the DECKED-BERTHING-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE44	Residential
USE49	Civilian/Public
USE8	Military

DEFENSIVE-STRUCTURE

A generalization of defensive features.

DEFENSIVE-STRUCTURE Service Branch Code

Identifies a specific military organization.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU999	Other

DEFENSIVE-STRUCTURE Type Code

The code that represents the type of DEFENSIVE-STRUCTURE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Barrier
2	Bastion
3	Forification
4	Trench
5	Underground Bunker
6	Dragonteeth Dragonteeth
7	Miscellaneous Obstacle
8	Missile Site Area

DEFENSIVE-STRUCTURE-REPRESENTATION

A model of the DEFENSIVE-STRUCTURE.

DEFENSIVE-STRUCTURE-REPRESENTATION Existence Category Code

The state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ESX22	One-Way
ESX23	Two-Way
ESX32	Navigable
ESX42	Continuous Operation
ESX43	Intermittent Operation
ESX45	Natural
ESX46	Man-Made
EXS0	Unknown
EXS1	Definite
EXS11	Temporary
EXS27	Closed/Locked
EXS28	Operational
EXS30	Not Isoloated
EXS31	Isolated
EXS48	Controlled
EXS5	Under Construction
EXS59	Not Usable
EXS6	Abandoned/Disused
EXS60	Indefinite (shoreline)
EXS62	Partially Destroyed
EXS66	Damaged
EXS7	Destroyed
EXS8	Dismantled
EXS999	Other Other Other

DEFENSIVE-STRUCTURE-REPRESENTATION Location Code

Status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC4	Below Water Surface
LOC40	Underground
LOC8	On Ground Surface

DEFENSIVE-STRUCTURE-REPRESENTATION Type Code

The code that represents the type of DEFENSIVE-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AH010	Bastion/Rampart/Fortification
AH020	Trench
AH060	Underground Bunker
AL060	Dragon Teeth
AL120	Missile Site
AP041	Barrier
DB145	Miscellaneous Obstacle

DEMILITARIZED-ZONE-REPRESENTATION

A model of a demilitarized zone.

DEMILITARIZED-ZONE-REPRESENTATION Classification Name

A grammalogue, index number, order or classification number for a DEMILITARIZED-ZONE-REPRESENTATION.

Data Type: Character-String **Length:** 80

DEPRESSION

A low area surrounded by higher ground.

DEPRESSION Identifier

The identifier that represents a DEPRESSION.

Data Type: Character-String **Length:** 35

DEPRESSION-REPRESENTATION

A model of a DEPRESSION.

DEPRESSION-REPRESENTATION Area **New**

The absolute area within the delineation of the feature measured with greater precision and range.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square meter

DEPRESSION-REPRESENTATION Below Surface Depth Dimension **New**

Distance measured from the highest point at surface level to the lowest point of the DEPRESSION-REPRESENTATION below the surface.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** Meter

DEPRESSION-REPRESENTATION Derived Obstacle Height-Depth Code **New**

Categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

DEPRESSION-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes of the DEPRESSION-REPRESENTATION. For a round DEPRESSION-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

DEPRESSION-REPRESENTATION Predominant Feature Depth Dimension **New**

The predominant depth within the delineation of the DEPRESSION-REPRESENTATION.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

DEPRESSION-REPRESENTATION Slope Rate

The maximum percentage of incline from the horizontal plane of the side of the DEPRESSION-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Percent

DEPRESSION-REPRESENTATION Width Dimension

The linear distance measured perpendicular to the length of a DEPRESSION-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

DEPTH-AREA-REPRESENTATION

A model of an area of water containing soundings within a defined range of values permanently at or below sounding datum.

DEPTH-AREA-REPRESENTATION Lower Depth Dimension

The portion of a DEPTH-AREA-REPRESENTATION closest to the Earth's center.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: -20 **Max Value:** 12000 **Unit of Measure:** meters

DEPTH-AREA-REPRESENTATION Upper Depth Dimension

The portion of a DEPTH-AREA-REPRESENTATION furthest from the Earth's center.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: -20 **Max Value:** 12000 **Unit of Measure:** meters

DEPTH-CONTOUR-REPRESENTATION

A model of a line connecting points of equal depth at and below the hydrographic datum.

DEPTH-CONTOUR-REPRESENTATION Depth Dimension

The depth associated with a DEPTH-CONTOUR-REPRESENTATION.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: -20 **Max Value:** 12000 **Unit of Measure:** Meters

DEPTH-CONTOUR-REPRESENTATION Hypsography Portrayal Category Code **New**

The code that indicates the type of chart line.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
HQC0	Unknown
HQC1	Index
HQC14	Supplementary (1/4)
HQC2	Intermediate
HQC3	Supplementary (1/2)

DEPTH-CURVE-REPRESENTATION

A model of a navigational safety line indicating that no sounding of a lesser depth exists seaward of the line, but greater depths may occur on the shallow side of the line.

DEPTH-CURVE-REPRESENTATION Depth Dimension

The depth of a DEPTH-CURVE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: -20 **Max Value:** 12000 **Unit of Measure:** Meters

DESIGNATED-MARITIME-AREA-REPRESENTATION

A model of demarcation significant to maritime navigation and/or operation.

DESIGNATED-MARITIME-AREA-REPRESENTATION Existence Category Code **New**

The state or condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Other
EXS22	One-Way
EXS23	Two-Way
EXS45	Natural
EXS46	Man-Made

DESIGNATED-MARITIME-AREA-REPRESENTATION Hydrographic Depth Dimension **New**

The depth of the feature below water, measured from the top or surface of the feature, referenced to a specified vertical datum. Recorded values are positive numbers.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** .1 meter

DESIGNATED-MARITIME-AREA-REPRESENTATION Maintenance Status Code **New**

Indicates whether the feature is maintained.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
MAS1	Maintained
MAS2	Not Maintained

DESIGNATED-MARITIME-AREA-REPRESENTATION Operational Status Code **New**

Indicates whether or not the feature is in operation.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OPS1	Operational
OPS2	Non-Operational

DESIGNATED-MARITIME-AREA-REPRESENTATION Pilot Boarding Vehicle Code **New**

Code that identifies the method by which pilots are transferred to and from ships using pilot services.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PBV1	By Boat
PBV2	By Helicopter

DESIGNATED-MARITIME-AREA-REPRESENTATION Product Category Code **New**

Principal material involved or product resulting from activity at site.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO116	Water
PRO13	Chemical
PRO130	None
PRO3	Ammunition
PRO33	Explosives
PRO38	Gas
PRO39	Gasoline
PRO67	Oil
PRO82	Radioactive Material

DESIGNATED-MARITIME-AREA-REPRESENTATION Type Code

The code that represents the kind of DESIGNATED-MARITIME-AREA-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MAC0	Unknown
MAC10	Wire Drag Area/Swept Area
MAC100	VALUE INTENTIONALLY LEFT BLANK (Caution Area)
MAC101	Marine Sanctuary
MAC102	Waiting Area
MAC103	Mineswept Channel
MAC104	Major Navy Operating Area
MAC105	Minor Navy Operating Area
MAC106	ASW Operating Area
MAC107	Submarine Operating Area
MAC108	Submarine Transit Lane (Submerged)
MAC109	Submarine Transit Lane (Surface)
MAC110	Surface Free Lane
MAC111	Surface Operating Area (Major)
MAC114	Sea Test Range
MAC115	Submarine and Gunnery Exercise Area
MAC116	Named Operating Area
MAC140	Exercise Area Limit
MAC141	Unexploded Ordinance
MAC142	Submarine Warning Area
MAC143	Naval Operations Area
MAC144	Inwater Tracking Range
MAC145	FORACS V Limits
MAC146	Missile Test Area
MAC147	Bombing and Strafing Targets Area
MAC148	Drill Minefield
MAC149	Abandoned Drill Minefield
MAC150	Acronym Area - Purple
MAC151	Acronym Area - Brown
MAC152	Acronym Area - Blue
MAC153	Landing Craft Air Cushion (LCAC)
MAC154	Area FOXTROT
MAC155	Submarine Danger Area
MAC156	Surface Ship Safely Lane
MAC157	Atlantic Fleet Weapons Range
MAC158	Naval Defense Sea Area
MAC159	UQC/WQC Test Area
MAC2	Dredged Channel/Dredged Area
MAC24	Turning Area/Swinging Circle
MAC25	Spoil Area/Spoil Ground (see OPS for status)

MAC26	Unsurveyed Area
MAC27	Submarine Exercise Area
MAC28	Mine Laying Practice Area
MAC29	Firing Danger Area
MAC30	Dumping Ground for Hazardous Materials
MAC31	Incineration Area
MAC32	Oil Field
MAC33	Gas Field
MAC35	Explosive Dumping Ground
MAC4	Mine Danger Area
MAC42	Precautionary Area
MAC44	Degaussing Range
MAC48	Pilot Boarding Area
MAC49	Cargo Transshipment Area
MAC5	Prohibited Shipping Area/Entry Prohibited
MAC55	Fairway
MAC56	Fish Trap Area
MAC57	Marine Farm
MAC58	Dredging Area
MAC6	Reclamation Area
MAC7	Restricted Area
MAC79	Free Port Area
MAC9	Works in Progress Area
MAC999	Other

DESIGNATED-MARITIME-AREA-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

DESIGNATED-MARITIME-AREA-REPRESENTATION-DANGER-AREA

A model of a specified area above, below, or within which there may exist potential danger.

DESIGNATED-MARITIME-AREA-REPRESENTATION-DANGER-AREA Type Code

The code that represents the kind of DESIGNATED-MARITIME-AREA-REPRESENTATION-DANGER-AREA.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	DANGER-AREA-MINE-DANGER-AREA
2	DANGER-AREA-DUMPING-GROUND-FOR-HAZMAT-AREA
3	Danger of Stranding Area

DESIGNATED-MARITIME-AREA-REPRESENTATION-ENVIRONMENTAL-AREA

A model of an area in which navigation or operations are limited to reduce impact on an environmentally sensitive area.

DESIGNATED-MARITIME-AREA-REPRESENTATION-ENVIRONMENTAL-AREA Type Code

The code that indicates the kind of DESIGNATED-MARITIME-AREA-REPRESENTATION-ENVIRONMENTAL-AREA.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
MAC47	Fish Haven/Protected Area
MAC57	Marine Sanctuary
MAC80	Fish Sanctuary
MAC87	Seal Sanctuary
MAC88	Game Preserve
MAC89	Bird Sanctuary
MAC90	Nature Preserve

DESIGNATED-MARITIME-AREA-REPRESENTATION-EXPLOITATION-INDUSTRY-AREA

A model of an area within which navigation is impacted due to natural resource exploitation or industrial activities.

DESIGNATED-MARITIME-AREA-REPRESENTATION-EXPLOITATION-INDUSTRY-AREA Type Code

The code that represents the kind of DESIGNATED-MARITIME-AREA-REPRESENTATION-EXPLOITATION-INDUSTRY-AREA.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
1	EXPLOITATION-INDUSTRY-AREA-RECLAMATION-AREA
2	EXPLOITATION-INDUSTRY-AREA-WORK-IN-PROGRESS-AREA
3	EXPLOITATION-INDUSTRY-AREA-INCINERATION-AREA
4	EXPLOITATION-INDUSTRY-AREA-DREDGING-AREA
5	EXPLOITATION-INDUSTRY-AREA-OFF-SHORE-PRODUCTION-AREA
6	Cargo Transshipment Area
7	Development Area

DESIGNATED-MARITIME-AREA-REPRESENTATION-RESTRICTED-AREA

A model of a specified area designated by an appropriate authority within which navigation is restricted in accordance with certain specified conditions.

DESIGNATED-MARITIME-AREA-REPRESENTATION-RESTRICTED-AREA Effective Period Text

The days, dates, and/or times during which a restriction is in effect.

Data Type: Character-String **Length:** 50

DESIGNATED-MARITIME-AREA-REPRESENTATION-RESTRICTED-AREA Restriction Type Code

The code that represents the kind of DESIGNATED-MARITIME-AREA-REPRESENTATION-RESTRICTED-AREA.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MAC0	Unknown
MAC104	Seaplane Take Off and Landing Area
MAC113	Anchoring and fishing prohibited
MAC15	Anchoring Prohibited
MAC20	Submarine Cabling Area
MAC21	Pipeline Area
MAC22	Fishing Prohibited
MAC23	Cable and Pipeline Area
MAC29	Firing Danger Area
MAC37	Safety Zone
MAC43	Area to be avoided
MAC45	Outfall Area
MAC46	Intake Area
MAC5	Prohibited Area
MAC61	Sewer Area
MAC86	Historic Wreck Restricted Area
MAC999	Other

DESIGNATED-MARITIME-AREA-REPRESENTATION-TRAINING-AREA

A model of an area in which military training exercises are conducted.

DESIGNATED-MARITIME-AREA-REPRESENTATION-TRAINING-AREA Effective Period Text

The days, dates, and/or times during which a restriction is in effect.

Data Type: Character-String **Length:** 50

DESIGNATED-MARITIME-AREA-REPRESENTATION-TRAINING-AREA Type Code

The code that represents the kind of DESIGNATED-MARITIME-AREA-REPRESENTATION-TRAINING-AREA.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
MAC27	Submarine Exercise Area
MAC28	Mine Laying Practice Area
MAC91	Practice area in general
MAC92	Torpedo Practice Area

DIKE

A device within FLOWING-INLAND-WATER that re-directs water flow.

DIKE-REPRESENTATION

A model of a DIKE.

DIKE-REPRESENTATION Downstream Slope Rate

The rate of incline of the downstream face of the DIKE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

DIKE-REPRESENTATION Upstream Slope Rate

The rate of incline of the upstream face of the DIKE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

DIRECTED-SEARCH-AREA-SUB-REGION

A portion of an IMAGERY-TARGET-DIRECTED-SEARCH-AREA used to designate collection priorities.

DIRECTED-SEARCH-AREA-SUB-REGION Collection Order Identifier

The identifier for a particular DIRECTED-SEARCH-AREA-SUB-REGION that indicates the priority for collection.

Data Type: Character-String **Length:** 2

DIRECTED-SEARCH-AREA-SUB-REGION-POINT

An association of a DIRECTED-SEARCH-AREA-SUB-REGION to a POINT.

DIRECTED-SEARCH-AREA-SUB-REGION-POINT Sequence Identifier

The identifier that represents the sequence of POINTs within a DIRECTED-SEARCH-AREA-SUB-REGION.

Data Type: Character-String **Length:** 3

DIRECTED-SEARCH-AREA-VERTEX-POINT

An association of a DIRECTED-SEARCH-AREA-VERTEX to a POINT.

DIRECTED-SEARCH-AREA-VERTEX-POINT Sequence Identifier

The identifier that represents the sequence of POINTs outlining a DIRECTED-SEARCH-AREA.

Data Type: Character-String **Length:** 2

DIRECTIONAL-AERONAUTICAL-NAVIGATIONAL-AID

An AERONAUTICAL-NAVIGATIONAL-AID that has magnetic variation determined by a fixed value applied to true direction, or slaved variation.

DIRECTIONAL-RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION

A radio beacon in which at least one of the emissions is directional so that the signal characteristics change according to the vessels bearing from the beacon.

DIRECTIONAL-RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION-REP

A model of a DIRECTIONAL-RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION.

DIRECTIONAL-RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Beacon Direction Angle

A specific bearing angle on which the radio beacon transmits its signal.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: 0 **Max Value:** 359.99 **Unit of Measure:** Degrees

DISCOLORED-WATER-REPRESENTATION

A model of a hydrographic area which exhibits a color distinctly different from the surrounding waters.

DISK

A concave object used for transmitting or receiving electronic signals.

DISK Identifier

The identifier that represents a DISK.

Data Type: Character-String **Length:** 35

DISK-REPRESENTATION

A descriptive and geometric model of a DISK.

DISK-REPRESENTATION Conspicuous Category Code **New**

The code that indicates whether a DISK is plainly visible from sea under varying conditions of light.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC 0	Unknown
COC 1	Conspicuous from sea
COC 6	Inconspicuous

DISK-REPRESENTATION Diameter Dimension

The diameter of the DISK.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

DISK-REPRESENTATION Existence Category Code **New**

A multi-concept code indicating either the physical condition of the Disk or the operational status of the Disk.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

DISK-REPRESENTATION Height Above Surface Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

DISK-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

DISK-REPRESENTATION Material Composition Category Code

The code that indicates the characteristics of primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC64	Metal
MCC999	Other

DISK-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Deg

DISK-REPRESENTATION Permanency Type Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

DISK-REPRESENTATION Use Code **New**

The code that indicates the primary user, function or controlling authority.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE4	National
USE49	Civilian/Public
USE5	State
USE8	Military

DISK-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

DISPLAY-SIGN

An upright panel used to convey visual information.

DISPLAY-SIGN Usage Code **New**

A code indicating the the primary user of the DISPLAY-SIGN.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE17	Advertising Billboard
USE18	Scoreboard
USE19	Highway Sign
USE57	Marine
USE999	Other

DISPLAY-SIGN-REPRESENTATION

A model of a DISPLAY-SIGN.

DISPLAY-SIGN-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

DISPLAY-SIGN-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

DISPLAY-SIGN-REPRESENTATION Location Category Code

The code that indicates the status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC22	Off Shore
LOC999	Other

DISPLAY-SIGN-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

DISPLAY-SIGN-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

DISPLAY-SIGN-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC72	Part Metal

DOCUMENT

Recorded information regardless of physical form.

DOCUMENT Approval Date

The date that a DOCUMENT was approved.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

DOCUMENT Identifier

The identifier that represents a DOCUMENT.

Data Type: Character-String **Length:** 10

DOCUMENT Name

The name of a DOCUMENT.

Data Type: Character-String **Length:** 240

DOCUMENT Published Date

The date that a DOCUMENT was published.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

DOCUMENT-CLASSIFICATION-AUTHORITY

Classification derived from a DOCUMENT.

DOLPHIN

A post or group of posts, used for mooring or warping a vessel, or as an aid to navigation.

DOLPHIN Usage Code **New**

The code indicating the type of usage associated with the DOLPHIN.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE154	Compass Adjustment
USE999	Other

DRAGON-TEETH

Regularly spaced concrete or metal barriers laid in single or multiple rows to prevent vehicle movement.

DRAGON-TEETH-REPRESENTATION

A model of DRAGON-TEETH.

DRAGON-TEETH-REPRESENTATION Derived Obstacle Height Code

Categorized maximum height or depth of DRAGON-TEETH.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

DRAGON-TEETH-REPRESENTATION Predominant Height Dimension

The predominate height of the DRAGON-TEETH.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Decimeter

DRAINAGE-DITCH

An AQUEDUCT designed for the purpose of drainage.

DRAINAGE-DITCH-REPRESENTATION

New

A model of a DRAINAGE-DITCH.

DRAINAGE-DITCH-REPRESENTATION Below Surface Depth Dimension

New

Distance measured from the highest point at surface level to the lowest point of the DRAINAGE-DITCH-REPRESENTATION below the surface.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** Meter

DRAINAGE-DITCH-REPRESENTATION Covered Drain Code

New

Condition where an artificial or improved natural drainage way is completely covered over and connects open drainage ways at each end.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CDA0	Unknown
CDA1	Uncovered
CDA2	Covered
CDA3	VALUE INTENTIONALLY LEFT BLANK (Not Applicable)

DRAINAGE-DITCH-REPRESENTATION Surface Material Code

New

The code indicating the surface material composition of the DRAINAGE-DITCH-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC116	Water
SMC120	Sand and Gravel
SMC126	Sand and Mud
SMC999	Other

DREDGE

An excavating machine for removing earth or materials.

DREDGE Crane Category Code

New

The code indicating the crane type associated with the DREDGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CRA0	Unknown
CRA4	Floating
CRA6	Traveling
CRA999	Other

DREDGE Identifier

The identifier that represents a DREDGE.

Data Type: Character-String **Length:** 35

DREDGE-REPRESENTATION

A model of a DREDGE.

DREDGE-REPRESENTATION Condition Code — New

A code indicating the state or condition of the DREDGE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS7	Destroyed

DREDGE-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

DREDGE-REPRESENTATION Highest Z-Value Dimension — New

The elevation above a given datum to the highest portion of the DREDGE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

DREDGE-REPRESENTATION Length Dimension

The center line length of a DREDGE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

DREDGE-REPRESENTATION Material Composition Code — New

The code indicating the characterisitics of the primary material composition of the DREDGE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC64	Metal
MCC72	Part Metal
MCC999	Other

DREDGE-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

DREDGE-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the DREDGE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

DREDGE-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the DREDGE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC52	'A' Frame
SSC54	'I' Frame
SSC999	Other

DREDGE-REPRESENTATION Surface Material Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal

DREDGE-REPRESENTATION Text

Narrative text or description of a DREDGE.

Data Type: Character-String **Length:** 255

DREDGE-REPRESENTATION Width Dimension

A linear distance measured perpendicular to the length of a DREDGE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

DRIVE-IN-THEATER

A place where motion pictures are shown while viewers remain in their vehicles.

DRIVE-IN-THEATER-REPRESENTATION **New**

A model of a DRIVE-IN-THEATER.

DRIVE-IN-THEATER-SCREEN

A large outdoor screen for showing motion pictures.

DRIVE-IN-THEATER-SCREEN-REPRESENTATION

A model of a DRIVE-IN-THEATER-SCREEN.

DRIVE-IN-THEATER-SCREEN-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the DRIVE-IN-THEATER-SCREEN-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

DRIVE-IN-THEATER-SCREEN-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the DRIVE-IN-THEATER-SCREEN-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC64	Metal
SMC72	Part Metal
SMC999	Other

DROP-GATE

A massive assemblage of material, usually in the form of concrete logs or blocks, positioned alongside or above a transportation route, ready to be activated as a potential barrier to an advancing enemy ground force.

DROP-GATE Category Code **New**

A code indicating the type of DROP-GATE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
DGC1	Overhead Drop
DGC2	Side Drop

DRY-DOCK-STRUCTURE

A structure supporting a vessel with the ability to remove water, to expose its bottom enabling construction, maintenance, or repair.

DRY-DOCK-STRUCTURE Identifier

The identifier that represents a DRY-DOCK-STRUCTURE.

Data Type: Character-String **Length:** 35

DRY-DOCK-STRUCTURE Type Code

A code indicating the kind of DRY-DOCK-STRUCTURE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Floating
2	Graving

DRY-DOCK-STRUCTURE-REPRESENTATION

A model of a DRY-DOCK-STRUCTURE.

DRY-DOCK-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the DRY-DOCK-STRUCTURE-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

DRY-DOCK-STRUCTURE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the DRY-DOCK-STRUCTURE-REPRESENTATION. For a round DRY-DOCK-STRUCTURE-REPRESENTATION, the diameter is measured.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

DRY-DOCK-STRUCTURE-REPRESENTATION Location Category Code **New**

A code indicating the status of the DRY-DOCK-STRUCTURE-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC15	On Water Surface/Floating
LOC30	Non-Floating

DRY-DOCK-STRUCTURE-REPRESENTATION Maximum Vessel Length Dimension

The longest allowed dimension of a vessel supported by a dry dock.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	3
Min Value:	0	**Max Value:**	999.999	**Unit of Measure:**	Meters

DRY-DOCK-STRUCTURE-REPRESENTATION Maximum Vessel Width Dimension

The widest allowed dimension of a vessel supported by a dry dock.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	3
Min Value:	0	**Max Value:**	999.999	**Unit of Measure:**	Meters

DRY-DOCK-STRUCTURE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degree

DRY-DOCK-STRUCTURE-REPRESENTATION Sill Depth Dimension

The dimension between the foundation at the bottom of the dry dock and the surface.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	3
Min Value:	0	**Max Value:**	999.999	**Unit of Measure:**	Meters

DRY-DOCK-STRUCTURE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the DRY-DOCK-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

DRY-DOCK-STRUCTURE-REPRESENTATION Usage Code **New**

A code indicating the the primary user of the DRY-DOCK-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE49	Civilian/Public
USE8	Military

DRY-DOCK-STRUCTURE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the DRY-DOCK-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

DYNAMIC-WATER-PROPERTY-REPRESENTATION

A model of a hydrographic area which exhibits water dynamics that contrast with the surrounding waters.

DYNAMIC-WATER-PROPERTY-REPRESENTATION Area **New**

The absolute area within the delineation of the DYNAMIC-WATER-PROPERTY-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

DYNAMIC-WATER-PROPERTY-REPRESENTATION Category Code

The code that represents the type of dynamic water property being represented.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Overfalls/Tide Rips
2	Eddies
3	Breakers

DYNAMIC-WATER-PROPERTY-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the DYNAMIC-WATER-PROPERTY-REPRESENTATION. For a round DYNAMIC-WATER-PROPERTY-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

DYNAMIC-WATER-PROPERTY-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the DYNAMIC-WATER-PROPERTY-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

EARLY-WARNING-RADAR-SITE

An installation utilizing long range radar to detect approaching aircraft or missiles.

EARLY-WARNING-RADAR-SITE Identifier

The identifier that represents a EARLY-WARNING-RADAR-SITE.

Data Type: Character-String **Length:** 35

EARLY-WARNING-RADAR-SITE Service Branch Code

The code identifying a specific military organization.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU999	Other

EARLY-WARNING-RADAR-SITE-REPRESENTATION

A descriptive and geometric model of a an EARLY-WARNING-RADAR-SITE.

EARLY-WARNING-RADAR-SITE-REPRESENTATION Area **New**

The area of an EARLY-WARNING-RADAR-SITE.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999999 **Unit of Measure:** .01 Square Meters

EARLY-WARNING-RADAR-SITE-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

EARLY-WARNING-RADAR-SITE-REPRESENTATION Length Diameter Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

EARLY-WARNING-RADAR-SITE-REPRESENTATION Location Category Code

The code depicting the status of the feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

EARLY-WARNING-RADAR-SITE-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

EDGE

A one-dimensional TOPOLOGICAL-ELEMENT bounded by one EDGE-STARTING-NODE and one EDGE-ENDING-NODE and located by a LINE.

EDGE-ENDING-NODE

An EDGE-TERMINAL-NODE identified as the end NODE of an EDGE.

EDGE-STARTING-NODE

An EDGE-TERMINAL-NODE identified as the start NODE of an EDGE.

ELECTRIC-WIND-MOTOR

An apparatus that converts the kinetic energy of the wind to electrical energy.

ELECTRIC-WIND-MOTOR Identifier

The code that represents a specific ELECTRIC-WIND-MOTOR.

Data Type: Character-String **Length:** 35

ELECTRIC-WIND-MOTOR-REPRESENTATION **New**

A model of an ELECTRIC-WIND-MOTOR.

ELECTRIC-WIND-MOTOR-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

ELECTRIC-WIND-MOTOR-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the ELECTRIC-WIND-MOTOR-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

ELECTRIC-WIND-MOTOR-REPRESENTATION Guyed Category Code **New**

The code indicating the presence of support wires on the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

ELECTRIC-WIND-MOTOR-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ELECTRIC-WIND-MOTOR-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

ELECTRIC-WIND-MOTOR-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the ELECTRIC-WIND-MOTOR-REPRESENTATION. For a round ELECTRIC-WIND-MOTOR-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ELECTRIC-WIND-MOTOR-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal

ELECTRIC-WIND-MOTOR-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

ELECTRIC-WIND-MOTOR-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

ELECTRIC-WIND-MOTOR-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC15	Solid/Filled
SSC18	Truss
SSC52	'A' Frame
SSC54	'I' Frame
SSC60	Mast
SSC65	Cylindrical with flat top
SSC66	Cylindrical with domed top
SSC71	Cylindrical/Peaked
SSC80	Rectangular
SSC83	Square
SSC999	Other

ELECTRIC-WIND-MOTOR-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

ELECTRIC-WIND-MOTOR-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the ELECTRIC-WIND-MOTOR-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION

A HYDROGRAPHIC-AID-TO-NAVIGATION communicating information in the non-visual portion of the electromagnetic spectrum.

ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION Type Code

The code that represents the specific kind of ELECTRONIC-HYDROGRAPHIC-AID-TO- NAVIGATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
NST55	HYDROGRAPHIC-NAVIGATION-RADAR-REFLECTOR
NST59	ACTIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION

ELECTRONIC-MAIL-ADDRESS

An electronic address designed to receive and transmit correspondence over a computer network.

ELECTRONIC-MAIL-ADDRESS Text

The text of an ELECTRONIC-MAIL ADDRESS.

Data Type: Character-String **Length:** 100

ELLIPSE-AREA

A REGULAR-AREA that specifies an ovular region with a specified semi-major-axis, semi-minor-axis, center-point, and orientation.

ELLIPSOID

An approximation of the shape of the Earth through the rotation of an ellipse about it's minor axis.

ELLIPSOID Alias Name

An alternative name for an ELLIPSOID.

Data Type: Character-String **Length:** 50

ELLIPSOID Inverse Flattening Quantity

The ratio of the difference between the equatorial and polar radii of the Earth to its equatorial radius.

Data Type: Fixed-Point **Length:** 20 **Decimal Count:** 19
Min Value: 0.0033333333333 **Max Value:** 0.0034129692833 **Unit of Measure:** None

ELLIPSOID Name

The name of the ELLIPSOID.

Data Type: Character-String **Length:** 50

ELLIPSOID Remarks Text

Textual remarks about the ELLIPSOID.

Data Type: Character-String **Length:** 1000

ELLIPSOID Semi Major Axis Dimension

The size in units of the ELLIPSOID semi-major axis.

Data Type: Integer **Length:** 12 **Decimal Count:** 0
Min Value: 1 **Max Value:** 1e+012 **Unit of Measure:** None

ELLIPSOID Semi Major Axis Unit Dimension

The size of the ELLIPSOID semi-major axis unit.

Data Type: Floating-Point **Length:** 7 **Decimal Count:** 0
Min Value: 1e-006 **Max Value:** 9999999 **Unit of Measure:** Meters

ELLIPSOID Semi Major Axis Unit Name

The name of the ELLIPSOID semi-major axis unit.

Data Type: Character-String **Length:** 50

EMBANKMENT

A raised, linear, man-made mound of earth or other material.

EMBANKMENT Identifier

The identifier that represents a EMBANKMENT.

Data Type: Character-String **Length:** 35

EMBANKMENT Side Type Code

A code that indicates whether a EMBANKMENT has one or two sides.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CET1	One Side
CET2	Both Sides

EMBANKMENT Use Code

A code indicating the primary use of an EMBANKMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE130	Transportation
USE136	As a fill
USE69	Levee/Dike
USE999	Other

EMBANKMENT-HEIGHT-REPRESENTATION-SEGMENT

A type of EMBANKMENT-REPRESENTATION-SEGMENT delimited by a constant value of height.

EMBANKMENT-HEIGHT-REPRESENTATION-SEGMENT Predominant Height Dimension

The average vertical height of the EMBANKMENT-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

EMBANKMENT-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT

A type of EMBANKMENT-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT delimited by a constant value of material composition.

EMBANKMENT-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT Type Code

A code indicating the composition of the EMBANKMENT-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC103	Snow/Ice
MCC104	Soil
MCC84	Rock

EMBANKMENT-REPRESENTATION

A model of an EMBANKMENT.

EMBANKMENT-REPRESENTATION Derived Obstacle Height-Depth Code **New**

Categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

EMBANKMENT-REPRESENTATION Height Above Surface Level Dimension **New**

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

EMBANKMENT-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the EMBANKMENT-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

EMBANKMENT-REPRESENTATION-SEGMENT

A section of an EMBANKMENT-REPRESENTATION-SEGMENT delimited by a constant value of a specific characteristic.

EMBANKMENT-REPRESENTATION-SEGMENT Characteristic Type Code

A code indicating a constant value of a specific characteristic of the EMBANKMENT-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
1	Height
2	Width
3	Side Slope
4	Material Composition

EMBANKMENT-REPRESENTATION-SEGMENT Length Dimension

A measurement of the longer of two linear axes of the EMBANKMENT-REPRESENTATION-SEGMENT. For a round EMBANKMENT-REPRESENTATION-SEGMENT, the diameter is measured.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

EMBANKMENT-SIDE-SLOPE-REPRESENTATION-SEGMENT

A type of EMBANKMENT-REPRESENTATION-SEGMENT delimited by a constant value of slope rate.

EMBANKMENT-SIDE-SLOPE-REPRESENTATION-SEGMENT Slope Rate

The maximum percentage of incline from the horizontal plane of the side of the EMBANKMENT-REPRESENTATION-SEGMENT.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Percent

EMBANKMENT-SURFACE-MATERIAL-CODE-REPRESENTATION-SEGMENT **New**

A section of an EMBANKMENT delimited by a constant value of surface material.

EMBANKMENT-SURFACE-MATERIAL-CODE-REPRESENTATION-SEGMENT Type Code **New**

The code indicating the type of EMBANKMENT-SURFACE-MATERIAL-CODE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC30	Earthen
SMC84	Rock/Rocky
SMC999	Other

EMBANKMENT-WIDTH-REPRESENTATION-SEGMENT

A type of EMBANKMENT-REPRESENTATION-SEGMENT delimited by a constant value of width.

EMBANKMENT-WIDTH-REPRESENTATION-SEGMENT Width Dimension

A linear distance taken at the top of a EMBANKMENT-REPRESENTATION-SEGMENT measured perpendicular to the length.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

ENGINE-TEST-CELL

A structure wherein engines are tested.

ENGINE-TEST-CELL-REPRESENTATION

A model of a ENGINE-TEST-CELL.

ENGINE-TEST-CELL-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the ENGINE-TEST-CELL-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

ENGINE-TEST-CELL-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

ENTRANCE-EXIT

A point of entrance or exit.

ENTRANCE-EXIT Identifier

The identifier that represents an ENTRANCE-EXIT.

Data Type: Character-String **Length:** 35

ENTRANCE-EXIT Transportation Use Category Code

Identifies the primary user, function, or authority of the transportation system.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC17	Pedestrian
TUC3	Railroad
TUC4	Road

ENTRANCE-EXIT-REPRESENTATION

A model of an ENTRANCE-EXIT.

ENTRANCE-EXIT-REPRESENTATION Horizontal Clearance Dimension

The distance available to pass a load that extends laterally beyond the wheels of a vehicle.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ENTRANCE-EXIT-REPRESENTATION Maximum Vertical Clearance Dimension

The greatest distance between the traveled way and any obstruction vertically above it.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ENTRANCE-EXIT-REPRESENTATION Minimum Traveled Way Width Dimension

Minimum width of the traveled way, excluding hard pavements and shoulders (in decimeters).

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ENTRANCE-EXIT-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the ENTRANCE-EXIT. If the ENTRANCE-EXIT is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

ENTRANCE-EXIT-REPRESENTATION Overhead Clearance Dimension

The least distance between the traveled way and any obstruction vertically above it. (Ref. STANAG 2253).

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ENTRANCE-EXIT-REPRESENTATION Usable Width Dimension

Total usable width including pavements and hard shoulders (in decimeters).

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ENVIRONMENTAL-AREA-FISH-HAVEN-PROTECTED-AREA-REPRESENTATION

A model of an area established to simulate natural reefs and wrecks that attract fish.

ENVIRONMENTAL-AREA-FISH-HAVEN-PROTECTED-AREA-REPRESENTATION Authorized Depth Dimension

The shoalest sanctioned depth authorized by the governing body of the ENVIRONMENTAL-AREA-FISH-HAVEN-PROTECTED-AREA.

Data Type: Floating-Point **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999.999 **Unit of Measure:** Meters

EQUIPMENT-DATASET-COMPONENT

The equipment of functional interest included within a DATASET.

EQUIPMENT-DATASET-COMPONENT Category Code

A unique equipment code that identifies a category of equipment in a DATASET.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
in MIDB Element Database Design Dictionary Classified	

EQUIPMENT-DATASET-COMPONENT Foreign Materiel Control Identifier

The identifier associated with the equipment in the DATASET.

Data Type: Character-String **Length:** 32

EQUIPMENT-DATASET-COMPONENT Nomenclature Text

The text used to describe a piece of equipment in the DATASET.

Data Type: Character-String **Length:** 45

EQUIPMENT-DATASET-COMPONENT Object View Code

The code that indicates the orientation of an object as portrayed in the DATASET.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Bottom
02	Front
03	Left
04	Rear
05	Right
06	Top

EQUIPMENT-DATASET-COMPONENT-COUNTRY

The association of a specific EQUIPMENT-DATASET-COMPONENT to a specific COUNTRY.

EQUIPMENT-DATASET-COMPONENT-COUNTRY Reason Code

The code that indicates the reason for the relationship of a COUNTRY to EQUIPMENT-IN-DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Designer
P	Producer

ESKER

A linear ridge of sand and gravel deposited by a sub-glacial stream.

ESKER Identifier

The identifier that represents a ESKER.

Data Type: Character-String **Length:** 35

ESKER-REPRESENTATION

A model of an ESKER.

ESKER-REPRESENTATION Area **New**

The absolute area within the delineation of the feature measured with greater precision and range.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Meter

ESKER-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the ESKER-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

ESKER-REPRESENTATION Length Dimension

The linear distance of an ESKER-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

ESKER-REPRESENTATION Maximum Height Dimension

The vertical distance measured from the lowest point of the base at ground or water level to the tallest point of the ESKER-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

ESKER-REPRESENTATION Predominant Height Dimension

The average vertical height of the ESKER-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

ESKER-REPRESENTATION Slope Rate

The maximum percentage of incline from the horizontal plane of the side of the ESKER-REPRESENTATION.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

ESKER-REPRESENTATION Width Dimension

A linear distance measured perpendicular to the length of a ESKER-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

EVENT

A significant occurrence.

EVENT Description Text

The text which describes an EVENT.

Data Type: Character-String **Length:** 9999

EVENT End Date

The date on which an EVENT concludes.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

EVENT Identifier

The identifier that represents an EVENT.

Data Type: Character-String **Length:** 10

EVENT Start Date

The date on which and EVENT begins.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

EVENT-DATASET-COMPONENT

An EVENT of functional interest included in a DATASET.

EVENT-DATASET-COMPONENT Name

The recognized name of the EVENT included in a DATASET.

Data Type: Character-String **Length:** 38

EVENT-DATASET-COMPONENT Type Code

The code that indicates the type of EVENT included in a DATASET.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AIRDEF	Air Defense Operations
AIROPS	Air Operations
CBW	Chemical or Biological Warfare
CIVIL	Civilian
COMMO	Communications
DIS	Disaster
ECON	Economic
EXPOPS	Expeditionary or Amphibious Operations
GNDOPS	Ground Operations
HUMAN	Humanitarian
JOINT	Joint or Combined Operations
MILEX	Military Movement/ Exercise
MILMOV	Military Movement/ Operations
NAT	Natural
NAVOPS	Naval Operations
NUC	Nuclear
PEACE	Peacekeeping
POL	Political
SPACE	Space
TERR	Terrorist Activity
Z	Inconclusive Analysis

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-DREDGING-AREA

A model of the area in which a concentration of dredging vessels may be encountered, extracting materials to be brought ashore.

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-DREDGING-AREA Effective Period Text

Days, dates, and/or times during which a restriction is in effect.

Data Type: Character-String **Length:** 50

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-DREDGING-AREA Product Code

The code that indicates the material being dredged.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO24	Coral
PRO42	Gold
PRO46	Gravel
PRO65	Mud
PRO73	Pebbles
PRO8	Boulders
PRO88	Sand
PRO96	Shells
PRO99	Silt

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-INCINERATION-AREA

A model of an area in which waste materials are burned.

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-INCINERATION-AREA Material Type Name

The code that indicates the composition of the material being incinerated.

Data Type: Character-String **Length:** 6

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-OFF-SHORE-PRODUCTION-AREA

A model of an area at sea within which there are production facilities.

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-OFF-SHORE-PRODUCTION-AREA Product Type Code

The product associated with the off-shore production area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO13	Chemical
PRO136	Gas and Oil
PRO38	Gas
PRO67	Oil

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-RECLAMATION-AREA

A model of an exploitation industry area in which land is being extended seaward.

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-RECLAMATION-AREA Material Type Name

The code that indicates the composition of the fill material of the reclamation area.

Data Type: Character-String **Length:** 6

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-RECLAMATION-AREA Operational Status Code

The code that indicates the status of the reclamation project.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS10	Proposed
EXS28	Operational

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-RECLAMATION-AREA Reported Year Date

The year of the report of the reclamation area.

Data Type: Date **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** None

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-WORK-IN-PROGRESS-AREA

A model of an area in which industrial operations are in effect.

EXPLOITATION-INDUSTRY-AREA-REPRESENTATION-WORK-IN-PROGRESS-AREA Month Year Reported Text

The month and year of the report of an area where work is in progress.

Data Type: Character-String **Length:** 10

FACE

A two-dimensional TOPOLOGICAL-ELEMENT bounded by a FACE-RING.

FACE Type Code

The code that represents the type of FACE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Bounded-Face
2	Universal-Face

FACILITY

Real property, having a specified use, that is built or maintained by people.

FACILITY Construction Begin Date

The date the building of a FACILITY commences.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 10101 **Max Value:** 99991231 **Unit of Measure:** None

FACILITY Construction End Date

The date the building of a FACILITY ceases.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 10101 **Max Value:** 99991231 **Unit of Measure:** None

FACILITY Construction Permanency Category Code

The code that represents the FACILITY Construction Permanency Category.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	PERMANENT
02	SEMIPERMANENT
03	TEMPORARY

FACILITY Identifier

The identifier that represents a FACILITY.

Data Type: Character-String **Length:** 10

FACILITY Type Code

The code that represents a kind of FACILITY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	BUILDING
P	FACILITY PARTITION
S	STRUCTURE FACILITY

FACILITY-REPRESENTATION

A model of a FACILITY.

FACILITY-REPRESENTATION Electrical Service Capacity Rate

The rate of the maximum amount of electrical service to a FACILITY.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Kv-Amperes

FACILITY-REPRESENTATION Friend Foe Code

The code that denotes whether a specific FACILITY is friendly.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	friend
2	foe
3	not known
4	neutral
5	not specified

FACILITY-REPRESENTATION Name

The name of a specific FACILITY.

Data Type: Character-String **Length:** 50

FACILITY-REPRESENTATION Sequence Identifier

The identifier that represents a particular representation of a FACILITY among a group of representations.

Data Type: Character-String **Length:** 35

FACILITY-REPRESENTATION Sewage Drainage Rate

The rate of the outflow of water waste products from a FACILITY.

Data Type:	Fixed-Point	**Length:**	8	**Decimal Count:**	2
Min Value:	0	**Max Value:**	99999.99	**Unit of Measure:**	THOUS-GALS-PER-

FACILITY-REPRESENTATION Waterflow Service Capacity Rate

The rate of the maximum amount of water service to a FACILITY.

Data Type:	Fixed-Point	**Length:**	8	**Decimal Count:**	2
Min Value:	0	**Max Value:**	99999.99	**Unit of Measure:**	1000 gals/day

FAN-AREA

A SURFACE that is in the form of a truncated ring sector, which is a sector lying between and being bounded by the rays emanating from the center-point of the ring and having a specified central angle.

FAN-AREA Maximum Range Dimension

The distance from the vertex to the outer ring of the ring sector used to specify the FAN-AREA.

Data Type:	Floating-Point	**Length:**	10	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999.99	**Unit of Measure:**	Meters

FAN-AREA Minimum Range Dimension

The distance from the vertex to the inner ring of the ring sector used to specify the FAN-AREA.

Data Type:	Floating-Point	**Length:**	10	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999.99	**Unit of Measure:**	Meters

FAN-AREA Orientation Angle

The angle of the rotational measurement clockwise between the line of true north and the left side of the sector central angle for a specific FAN-AREA.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	0
Min Value:	0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

FAN-AREA Sector Size Angle

The angle of the rotational measurement clockwise between the left and right sides of the ring central angle of a specific FAN-AREA.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	0
Min Value:	0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

FAN-REPRESENTATION

A model of a FAN- a broad, gently sloping fan-shaped feature usually found at the termination of a canyon.

FAULT

A fracture in the Earth's crust with displacement on one side of the fracture relative to the other.

FAULT Identifier

The identifier that represents a FAULT.

Data Type: Character-String **Length:** 35

FAULT-REPRESENTATION

A model of a FAULT.

FAULT-REPRESENTATION Length Dimension

A linear distance of a FAULT-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Meters

FAULT-REPRESENTATION Width Dimension

A linear distance measured perpendicular to the length of a FAULT-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Meters

FEATURE-TYPE

A class of features.

FEATURE-TYPE Category Code

The code that denotes the class of a specific FEATURE-TYPE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	METEOROLOGICAL FEATURE-TYPE
2	CONTROL FEATURE-TYPE
3	GEOSPATIAL-FEATURE-TYPE

FEATURE-TYPE Identifier

The identifier that represents a specific FEATURE-TYPE.

Data Type: Character-String **Length:** 10

FEATURE-TYPE Name

The name of a specific FEATURE-TYPE.

Data Type: Character-String **Length:** 100

FEEDLOT-REPRESENTATION **New**

A model of a FEEDLOT.

FEEDLOT-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

FEEDLOT-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the FEEDLOT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

FENCE

A man-made barrier of relatively light structure used as an enclosure or boundary.

FENCE-REPRESENTATION

A model of a FENCE.

FENCE-REPRESENTATION Derived Obstacle Height/Depth Category Code

The code that indicates the categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

FENCE-REPRESENTATION Predominant Height Dimension **New**

Predominant height within delineation of feature.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99.9 **Unit of Measure:** Meters

FENCE-REPRESENTATION Type Indicator Code

The code that indicates the type of fence.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
FTI0	Unknown
FTI1	Metal
FTI2	Wood
FTI3	Stone
FTI5	Barbed Wire
FTI6	Chain Link
FTI999	Other

FERRY-CROSSING

A route in a body of water where a ferry crosses from one side to another.

FERRY-CROSSING Identifier

The unique identifier for a particular FERRY-CROSSING.

Data Type: Character-String **Length:** 6

FERRY-CROSSING Maneuverability Code

Indicates if the FERRY-CROSSING has chains/cables to assist the ferry in maneuvering.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
FER0	Unknown
FER1	With cables/chains
FER2	Without cables/chains

FERRY-CROSSING Transportation Use Code

Indicates the primary type of items to be transported on the FERRY-CROSSING.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC17	Pedestrian
TUC3	Railroad
TUC4	Road

FERRY-CROSSING-REPRESENTATION

A model of a FERRY-CROSSING.

FERRY-CROSSING-REPRESENTATION Capacity Text

The extent of the capability of the FERRY-CROSSING to transport people and/or cargo.

Data Type: Character-String **Length:** 80

FERRY-CROSSING-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the FERRY-CROSSING-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	UnknownEXS28
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

FERRY-CROSSING-REPRESENTATION Length Dimension

The longest dimension of the FERRY-CROSSING.

Data Type: Integer **Length:** 7 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** meter

FERRY-CROSSING-SITE

The association of a FERRY-CROSSING and a particular FERRY-SITE.

FERRY-ROAD-ASSOCIATION

Associative entity that relates FERRY-SITE with the ROADs that meet the ferry at that site.

FERRY-SITE

A point where a ferry takes on or discharges its load.

FERRY-SITE Identifier

The unique identifier for a FERRY-SITE.

Data Type: Character-String **Length:** 35

FERRY-SITE Type Code

The designator for type of FERRY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Inland Ferry Site
2	Coastal Ferry Site

FERRY-SITE-REPRESENTATION

A point where a ferry takes on or discharges its load.

FERRY-SITE-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the FERRY-SITE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

FERRY-SITE-REPRESENTATION Conspicuous Category Code

A conspicuous object is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

FERRY-SITE-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

FERRY-SITE-REPRESENTATION Transportation Use Category Code

Identifies the primary user, function, or authority of the transportation system.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC17	Pedestrian
TUC3	Railroad
TUC4	Road

FERRY-SITE-REPRESENTATION Width Measurement Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

FILM-POSITION-CORRECTION

Corrections required for errors in the process of digitizing film by comparison of fiducial marks on the film with measured point positions.

FILM-POSITION-CORRECTION Calibrated Point Covariance Column Column Quantity

The variance of column for all calibrated point positions.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings**2

FILM-POSITION-CORRECTION Calibrated Point Covariance Row Column Quantity

The covariance of row and column for all calibrated point positions.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings**2

FILM-POSITION-CORRECTION Calibrated Point Covariance Row Row Quantity

The variance of row for all calibrated point positions.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

FILM-POSITION-CORRECTION Covariance Column Column Quantity

The variance in position of column.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

FILM-POSITION-CORRECTION Covariance Row Column Quantity

The covariance or row and column..

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

FILM-POSITION-CORRECTION Covariance Row Row Quantity

The variance in position of row.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

FILM-POSITION-CORRECTION L0 Row Coefficient Quantity

Constant coefficient (L0) of the polynomial- line = L0 + L1x+L2y+L3xy where line = corrected column and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel Spacings

FILM-POSITION-CORRECTION L1 Row Coefficient Quantity

Row position multiplier coefficient (L1) of the polynomia- line = L0 + L1x+L2y+L3xy where line = corrected column and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels/millimeter

FILM-POSITION-CORRECTION L2 Row Column Coefficient Quantity

Column position multiplier coefficient (L2) of the polynomial- line = L0 + L1x+L2y+L3xy where line = corrected column and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels/millimeter

FILM-POSITION-CORRECTION L3 Row Column Product Coefficient Quantity

Row and column position multiplier coefficient (L3) of the polynomial- line = L0 + L1x+L2y+L3xy where line = corrected column and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels/millimeter

FILM-POSITION-CORRECTION Measured Point Covariance Column Column Quantity

The variance of column for all measured point positions.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

FILM-POSITION-CORRECTION Measured Point Covariance Row Column Quantity

The covariance of row and column for all measured point positions.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

FILM-POSITION-CORRECTION Measured Point Covariance Row Row Quantity

The variance of row for all measured point positions.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

FILM-POSITION-CORRECTION S0 Column Coefficient Quantity

Constant coefficient (S0) of the polynomia- sample = S0 +S1x+S2y+S3xy where sample = corrected row and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings

FILM-POSITION-CORRECTION S1 Column Coefficient Quantity

Row multiplier coefficient (S1) of the polynomia- sample = S0 +S1x+S2y+S3xy where sample = corrected row and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings

FILM-POSITION-CORRECTION S2 Column Row Coefficient Quantity

Column multiplier coefficient (S2) of the polynomia- sample = S0 +S1x+S2y+S3xy where sample = corrected row and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels/millimeter

FILM-POSITION-CORRECTION S3 Column Row Product Coefficient Quantity

Row and column multiplier coefficient (S3) of the polynomia- sample = S0 +S1x+S2y+S3xy where sample = corrected row and x and y are uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels/millimeters

FILM-POSITION-CORRECTION-CALIBRATED-POINT-POSITION

A calibrated position of fiducial/ reseau points used to calculate correction polynomials.

FILM-POSITION-CORRECTION-CALIBRATED-POINT-POSITION Column Quantity

The column position of a calibrated point.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings

FILM-POSITION-CORRECTION-CALIBRATED-POINT-POSITION Measured Point Column Quantity

The column position of the measured point associated with this calibrated point.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings

FILM-POSITION-CORRECTION-CALIBRATED-POINT-POSITION Measured Point Description Text

Textual description of the general location of this measured point.

Data Type: Character-String **Length:** 255

FILM-POSITION-CORRECTION-CALIBRATED-POINT-POSITION Measured Point Row Quantity

The row position of the measured point associated with this calibrated point.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings

FILM-POSITION-CORRECTION-CALIBRATED-POINT-POSITION Row Quantity

The row position of a calibrated point.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings

FILTRATION-BED

A RESERVOIR containing layers which filter water.

FILTRATION-BED-REPRESENTATION New

A model of a FILTRATION-BED.

FILTRATION-BED-REPRESENTATION Conspicuous Category Code **New**

The code indicating the conspicuous nature of the FILTRATION-BED-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuousness from sea
COC6	Inconspicuous

FILTRATION-BED-REPRESENTATION Existence Category Code **New**

A code indicating the state or condition of the FILTRATION-BED-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

FILTRATION-BED-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the FILTRATION-BED-REPRESENTATION. For a round FILTRATION-BED-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

FILTRATION-BED-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the FILTRATION-BED-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC999	Other

FILTRATION-BED-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the FILTRATION-BED-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

FIRING-RANGE-REPRESENTATION

A model of a firing range - an open area designated for the purpose of discharging or detonating firearms.

FIRING-RANGE-REPRESENTATION Location Category Code

Status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC4	Below Water Surface
LOC40	Underground
LOC8	On Ground Surface

FIRING-RANGE-REPRESENTATION Service Branch Code

The generic military organization associated with this firing range.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU999	Other

FIRING-RANGE-REPRESENTATION Type Code

The code that indicates the type of FIRING-RANGE..

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
FRT0	Unknown
FRT1	Rifle/Small Arms
FRT2	Tank
FRT3	Artillery
FRT4	Grenade
FRT5	Demolition Area
FRT6	Impact Area
FRT999	Other

FISH-FARM

A RESERVOIR where fish are hatched and /or raised.

FISH-FARM-REPRESENTATION **New**

A model of a FISH-FARM.

FISH-FARM-REPRESENTATION Conspicuous Category Code **New**

A code indicating the conspicuous nature of the FISH-FARM-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuousness from sea
COC6	Inconspicuous

FISH-FARM-REPRESENTATION Existence Category Code **New**

A code indicating the existence or condition of the FISH-FARM-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused
EXS7	Destroyed

FISH-FARM-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the FISH-FARM-REPRESENTATION. For a round FISH-FARM-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

FISH-FARM-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the FISH-FARM-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

FISH-HAVEN-REPRESENTATION

A model of an area established by private interests to simulate natural reefs and wrecks that attract fish.

FISH-LADDER

A series of ascending pools constructed to enable fish to swim upstream around or over a dam.

FISH-LADDER Sequence Number

Depicts the sequence within an order of a series of ascending pools constructed to enable fish to swim upstream around or over a dam.

Data Type: Character-String **Length:** 2

FISH-STAKES-REPRESENTATION

A model of poles or stakes placed in shallow water to outline fishing grounds or to catch fish.

FISH-TRAP-REPRESENTATION

A model of a fence or enclosure set in water to catch fish.

FISHING-PIER **New**

A pier from which recreational fishing is performed.

FISHING-PIER-REPRESENTATION **New**

A model of a FISHING-PIER.

FISHING-PIER-REPRESENTATION Location Category Code **New**

A code indicating the status of the FISHING-PIER-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC15	On Water Surface/Floating
LOC30	Non-Floating

FIXED-BRIDGE-SPAN **New**

A BRIDGE-SPAN that does not move to allow nautical navigation.

FLAGPOLE **New**

A staff or pole on which a flag is raised.

FLAGPOLE-REPRESENTATION **New**

A model of a FLAGPOLE.

FLAGPOLE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the FLAGPOLE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

FLARE-PIPE

An open-ended pipe at which waste gases are burned.

FLARE-PIPE-REPRESENTATION

A model of a FLARE-PIPE.

FLARE-PIPE-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the FLARE-PIPE-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

FLARE-PIPE-REPRESENTATION Existence Category Code

The state or condition of the FLARE-PIPE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COE0	Unknown
COE1	Definite
COE2	Doubtful
COE3	Reported
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

FLARE-PIPE-REPRESENTATION Guyed Category Code

Presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

FLARE-PIPE-REPRESENTATION Highest Z Value Height Dimension

Elevation above a given datum to the highest portion of the FLARE-PIPE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

FLARE-PIPE-REPRESENTATION Location Category Code **New**

A code indicating the status of the FLARE-PIPE-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC22	Off Shore
LOC999	Other

FLARE-PIPE-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the FLARE-PIPE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC999	Other

FLARE-PIPE-REPRESENTATION Permanency Code

Indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

FLARE-PIPE-REPRESENTATION Surface Material Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC64	Metal

FLIGHT-OF-STEPS

A series of steps or stairs reaching from one level to another.

FLIGHT-OF-STEPS-REPRESENTATION

A series of steps or stairs reaching from one level to another.

FLOAT-BRIDGE-SITE

Site on a river or canal which has a ramp, piling, and/or pier structures constructed on one or both shores to allow for suitable future crossing operations using float bridge or rafting equipment.

FLOAT-BRIDGE-SITE Identifier

A unique identifier for a FLOAT-BRIDGE-SITE.

Data Type: Character-String **Length:** 35

FLOOD-BARRAGE

A barrier built across FLOWING-INLAND-WATER courses to protect upstream regions from storm surge damage.

FLOOD-BARRAGE-REPRESENTATION

A model of a FLOOD-BARRAGE.

FLOOD-BARRAGE-REPRESENTATION Channel Width Dimension

The width of the largest channel opening within a FLOOD-BARRAGE.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

FLOOD-BARRAGE-REPRESENTATION Conspicuous Category Code

A code that designates whether a conspicuous object is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

FLOOD-BARRAGE-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

FLOOD-BARRAGE-REPRESENTATION Hydrographic Depth Dimension

The depth of the FLOOD-BARRAGE below water, measured from the top or surface of the feature, referenced to a specified vertical datum.

Data Type: Floating-Point **Length:** 7 **Decimal Count:** 1
Min Value: -20 **Max Value:** 13000 **Unit of Measure:** Meters

FLOOD-BARRAGE-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

FLOOD-BARRAGE-REPRESENTATION Material Composition Category Code

Characteristics of primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone)
MCC999	Other

FLOOD-BARRAGE-REPRESENTATION Top Width Dimension

The width at the top of a feature (in meters).

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

FLOOD-BARRAGE-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

FLOOD-WALL

A wall constructed as a LEVEE.

FLOWING-INLAND-WATER

INLAND-WATER with a current.

FLOWING-INLAND-WATER Type Code

The code that represents the type of FLOWING-INLAND-WATER.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BH010	AQUEDUCT
BH115	UNDERGROUND WATER
BH140	STREAM

FLOWING-INLAND-WATER-BANK

The land area existing alongside FLOWING-INLAND-WATER from a specified water level to the top of first accessible break in the slope.

FLOWING-INLAND-WATER-BANK Side Code

The code that represents the respective side of a FLOWING-INLAND-WATER-BANK.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
L	Left
R	Right

FLOWING-INLAND-WATER-BANK-HEIGHT-REPRESENTATION-SEGMENT

A section of a FLOWING-INLAND-WATER-BANK delimited by the constant value of the vertical height from a specified water level to the top of first accessible break in the slope.

FLOWING-INLAND-WATER-BANK-HEIGHT-REPRESENTATION-SEGMENT Precise Range Code **New**

Code that represents the predominant height range of the bank with greater precision, measured from mean water level to the top of the first accessible break in slope above the mean water level.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HL30	Unknown
HL31	<= 0.2
HL32	> 0.2 and <= 0.5
HL33	> 0.5 and <= 1.0
HL34	> 1.0 and <= 1.5
HL35	> 1.5 and <= 2.0
HL36	> 2.0 and <= 5.0
HL37	> 5.0
HR30	Unknown
HR31	<= 0.2
HR32	> 0.2 and <= 0.5
HR33	> 0.5 and <= 1.0
HR34	> 1.0 and <= 1.5
HR35	> 1.5 and <= 2.0
HR36	> 2.0 and <= 5.0
HR37	> 5.0

FLOWING-INLAND-WATER-BANK-HEIGHT-REPRESENTATION-SEGMENT Range Code

Code that represents the predominant height range of the bank in meters, measured from mean water level to the first break in slope above the mean water level.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HL10	Unknown
HL11	<= 0.5
HL12	> 0.5 and <= 1.0
HL13	> 1.0 and <= 5.0
HL14	> 5.0
HR10	Unknown
HR11	<= 0.5
HR12	> 0.5 and <= 1.0
HR13	> 1.0 and <= 5.0
HR14	> 5.0

FLOWING-INLAND-WATER-BANK-REPRESENTATION

A model of a FLOWING-INLAND-WATER-BANK.

FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT

A section of a FLOWING-INLAND-WATER-BANK delimited by the constant value of a specific characteristic.

FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT Length Dimension

The length of a FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 9 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999999.9 **Unit of Measure:** Meters

FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT Type Code

The code that represents the type of FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	FLOWING-INLAND-WATER-BANK-HEIGHT-REPRESENTATION-SEGMENT
2	FLOWING-INLAND-WATER-BANK-SLOPE-REPRESENTATION-SEGMENT
3	FLOWING-INLAND-WATER-BANK-VEGETATION-REPRESENTATION-SEGMENT

FLOWING-INLAND-WATER-BANK-SLOPE-REPRESENTATION-SEGMENT

A section of a FLOWING-INLAND-WATER-BANK delimited by the constant value of the inclination of a bank side measured from a specified water level to the top of first accessible break in slope.

FLOWING-INLAND-WATER-BANK-SLOPE-REPRESENTATION-SEGMENT Range Code **New**

Code that indicates the range of the slope of the FLOWING-INLAND-WATER-BANK-SLOPE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
SL10	Unknown
SL11	<=30
SL12	>30 and <=45
SL13	>45 and <=60
SL14	>60

FLOWING-INLAND-WATER-BANK-SLOPE-REPRESENTATION-SEGMENT Rate

The percentage of inclination of a FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

FLOWING-INLAND-WATER-BANK-SURFACE-MATERIAL-REPRESENTATION-SEGMENT

A section of a FLOWING-INLAND-WATER-BANK delimited by the constant value of the type of surface material(s) of the bank from a specified water level to the top of first accessible break in the slope.

FLOWING-INLAND-WATER-BANK-SURFACE-MATERIAL-REPRESENTATION-SEGMENT Type Code

The code that represents the type of surface material of a FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BMC0	Unknown
BMC1	Clay and Silt
BMC14	Sand
BMC15	Geo-fabrics
BMC16	Gravel
BMC2	Silty Sands
BMC3	Sand and Gravel
BMC4	Gravel and Cobble
BMC5	Rocks and Boulders
BMC6	Bedrock
BMC7	Paved
BMC8	Peat
SMC108	Stone
SMC116	Water
SMC120	Sand and Gravel
SMC126	Sand and Mud
SMC21	Concrete
SMC999	Other

FLOWING-INLAND-WATER-BANK-VEGETATION-REPRESENTATION-SEGMENT

A section of a FLOWING-INLAND-WATER-BANK delimited by the constant value of the thickness of vegetation.

FLOWING-INLAND-WATER-BANK-VEGETATION-REPRESENTATION-SEGMENT Vegetation Density Range Code

The code that represents the vegetation density range of FLOWING-INLAND-WATER-BANK-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BVG0	Unknown
BVG1	Open (<= 5%)
BVG2	Sparse (>5% <= 15%)
BVG3	Medium (>15% <= 50%)
BVG4	Dense (>50%)

FLOWING-INLAND-WATER-COVERED-DRAINAGE-REPRESENTATION-SEGMENT **New**

A section of FLOWING-INLAND-WATER delimited by the constant value of the covered drain code.

FLOWING-INLAND-WATER-COVERED-DRAINAGE-REPRESENTATION-SEGMENT Covered Drain Code **New**

Condition where an artificial or improved natural drainage way is completely covered over and connects open drainage ways at each end.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CDA0	Unknown
CDA1	Uncovered
CDA2	Covered
CDA998	Not Applicable

FLOWING-INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT New

A section of FLOWING-INLAND-WATER delimited by the constant value of the depth of the water.

FLOWING-INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT Seasonal High Water Depth Range Code **New**

Code that indicates the average seasonal high water depth range (in meters).

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YDH0	Unknown
YDH1	<=0.8
YDH2	>0.8 and <=1.6
YDH3	>1.6 and <=2.4
YDH4	>2.4

FLOWING-INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT Seasonal Low Water Depth Range Code **New**

Code that indicates the average seasonal low water depth range (in meters).

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YDL0	Unknown
YDL1	<=0.8
YDL2	>0.8 and <=1.6
YDL3	>1.6 and <=2.4
YDL4	>2.4

FLOWING-INLAND-WATER-EPIC-EVENT-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by the constant value of the maximum expected water elevation in a specified time period.

FLOWING-INLAND-WATER-EPIC-EVENT-REPRESENTATION-SEGMENT Elevation Dimension

The maximum expected water elevation during a specified epic event on a FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 8 **Decimal Count:** 1

Min Value: -500 **Max Value:** 99999.9 **Unit of Measure:** Meters

FLOWING-INLAND-WATER-EPIC-EVENT-REPRESENTATION-SEGMENT Frequency Year Code

The code that represents a specified time period during which the maximum water elevation is expected on a FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EEF1	10 Year
EEF2	25 Year
EEF3	50 Year
EEF4	100 Year
EEF5	500 Year

FLOWING-INLAND-WATER-GAP-WIDTH-REPRESENTATION-SEGMENT

A section of a FLOWING-INLAND-WATER delimited by constant value of the minimum horizontal bridging distance from the first accessible break in slope on each FLOWING-INLAND-WATER-BANK above mean high water.

FLOWING-INLAND-WATER-GAP-WIDTH-REPRESENTATION-SEGMENT Precise Range Code **New**

Code that indicates the predominant horizontal gap width range with greater precision, measured between the top of the first accessible break in slope above mean water level on each bank.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
GW30	Unknown
GW31	<=1.5
GW310	>50.0 and <=75.0
GW311	>75.0 and <=100.0
GW312	>100.0 and <=142.0
GW313	>142.0
GW32	>1.5 and <=3.0
GW33	>3.0 and <=18.0
GW34	>18 and <=25.0
GW35	>25.0 and <=30.0
GW36	>30.0 and <=35.0
GW37	>35.0 and <=40.0
GW38	>40.0 and <=45.0
GW39	>45.0 and <=50.0

FLOWING-INLAND-WATER-GAP-WIDTH-REPRESENTATION-SEGMENT Range Code **New**

Code that indicates the predominant horizontal gap width range in meters, measured between the top of the first accessible break in slope above mean water level on each bank.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GW10	Unknown
GW11	<=3
GW12	>3 and <=18
GW13	>18 and <=25
GW14	>25 and <=50
GW15	>50 and <=75
GW16	>75 and <=100
GW17	>100 and <=142
GW18	>142

FLOWING-INLAND-WATER-GAP-WIDTH-REPRESENTATION-SEGMENT Width Dimension

A measurement of the shorter of two linear axes of the FLOWING-INLAND-WATER-GAP-WIDTH-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

FLOWING-INLAND-WATER-LANDMARK-POST

A marker which designates the distance from a given point, or a location along FLOWING-INLAND-WATER.

FLOWING-INLAND-WATER-NAME-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by the constant value of its name.

FLOWING-INLAND-WATER-RAPIDS-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by a constant value in the presence of rapids.

FLOWING-INLAND-WATER-RAPIDS-REPRESENTATION-SEGMENT Classification Code

A code that indicates the relative difficulty in traversing the FLOWING-INLAND-WATER-RAPIDS-REPRESENTATION-SEGMENT. Six Classes based on the International Scale or River Difficulty.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CLR0	Unknown
CLR1	Class 1
CLR2	Class 2
CLR3	Class 3
CLR4	Class 4
CLR5	Class 5
CLR6	Class 6

FLOWING-INLAND-WATER-RAPIDS-REPRESENTATION-SEGMENT Obstruction to Navigation Code **New**

A code that indicates that a FLOWING-INLAND-WATER-RAPIDS-REPRESENTATION-SEGMENT in an inland water body is an obstruction to vessel movement.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
IWO0	Unknown
IWO1	Obstruction
IWO2	Not an obstruction

FLOWING-INLAND-WATER-REPRESENTATION

A model of FLOWING-INLAND-WATER.

FLOWING-INLAND-WATER-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the FLOWING-INLAND-WATER-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS32	Navigable
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS999	Other

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by the constant value of a specific characteristic.

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Area **New**

The absolute area within the delineation of the FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Conspicuousness Code **New**

A code indicating the conspicuous nature of the FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Length Dimension

The length of a FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type:	Fixed-Point	**Length:**	9	**Decimal Count:**	1
Min Value:	0	**Max Value:**	9999999.9	**Unit of Measure:**	Meters

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Location Category Code **New**

A code indicating the status of the FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC4	Below Water Surface
LOC40	Underground
LOC8	On Ground Surface

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Surface Material Code **New**

The code indicating the surface material composition of the FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC116	Water
SMC120	Sand and Gravel
SMC126	Sand and Mud
SMC20	Composition
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC84	Rock/Rocky
SMC999	Other

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Tidal Code

The code that represents the tidal influence on a FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TID0	Unknown
TID1	Non-Tidal
TID2	Tidal

FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT Type Code

The code that represents the type of FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	FLOWING-INLAND-WATER-WATER-FLOW-REPRESENTATION-SEGMENT
2	FLOWING-INLAND-WATER-GAP-WIDTH-REPRESENTATION-SEGMENT
3	FLOWING-INLAND-WATER-SURFACE-REFERENCE-REPRESENTATION-SEGMENT
4	FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT
5	FLOWING-INLAND-WATER-WATER-WIDTH-REPRESENTATION-SEGMENT

FLOWING-INLAND-WATER-SPRING-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER that transitions from sub-surface flow to on-surface flow.

FLOWING-INLAND-WATER-SPRING-REPRESENTATION-SEGMENT Spring/Well Category Code **New**

Code indicating the type of available water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SCC0	Unknown
SCC1	Alkaline
SCC10	Salt
SCC4	Mineral
SCC9	Freshwater/Potable
SCC999	Other

FLOWING-INLAND-WATER-SPRING-REPRESENTATION-SEGMENT Spring/Well Feature Type Code **New**

A code that identifies the type of spring or water-hole.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
SWT0	Unknown
SWT1	Geyser
SWT4	Artesian
SWT5	Water-hole
SWT6	Walled-In Spring

FLOWING-INLAND-WATER-STREAM-VANISHING-POINT-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER that transitions from on-surface flow to sub-surface flow.

FLOWING-INLAND-WATER-SURFACE-REFERENCE-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by the constant value of the vertical relationship of the FLOWING-INLAND-WATER to the surrounding terrain.

FLOWING-INLAND-WATER-SURFACE-REFERENCE-REPRESENTATION-SEGMENT Surface Reference Code

The code that represents the vertical relationship of FLOWING-INLAND-WATER to the surrounding terrain.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LOC4	Submerged/Underwater Volcano

FLOWING-INLAND-WATER-TRAVERSABILITY-REPRESENTATION-SEGMENT New

A section of FLOWING-INLAND-WATER delimited by the constant value of the traversability code.

FLOWING-INLAND-WATER-TRAVERSABILITY-REPRESENTATION-SEGMENT Traversability Code New

A code that indicates whether the FLOWING-INLAND-WATER-TRAVERSABILITY-REPRESENTATION-SEGMENT is traversable by foot.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TRA0	Unknown
TRA1	Traversable
TRA2	Non-Traversable

FLOWING-INLAND-WATER-VELOCITY-CURRENT-FLOW

The association of a CURRENT-FLOW-REPRESENTATION and a FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION.

FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by the constant value of the average water velocity measured at a specified depth.

FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT Rate

The average rate of water current in a FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1

Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters/Second

FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT Seasonal High Water Velocity Rate Code **New**

Code indicating the average normal seasonal high water velocity range estimated in meters/second, within the FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT, exclusive of high water due to runoff or low water due to drought.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YVH0	Unknown
YVH1	<=0.5
YVH2	>0.5 and <=1.5
YVH3	>1.5 and <=2.5
YVH4	>2.5

FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT Seasonal Low Water Velocity Rate Code **New**

Code indicating the average normal seasonal low water velocity range estimated in meters/second, within the FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT, exclusive of high water due to runoff or low water due to drought.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YVL0	Unknown
YVL1	<=0.5
YVL2	>0.5 and <=1.5
YVL3	>1.5 and <=2.5
YVL4	>2.5

FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT Velocity Range Code **New**

Code indicating the range of water velocity, estimated in meters/second within delineation of FLOWING-INLAND-WATER-VELOCITY-REPRESENTATION-SEGMENT exclusive of high water due to runoff or low water due to drought.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
WV10	Unknown
WV11	<=1.5
WV12	>1.5

FLOWING-INLAND-WATER-WATER-FLOW-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by the constant value of distinctive changes in the stream bed.

FLOWING-INLAND-WATER-WATER-FLOW-REPRESENTATION-SEGMENT Code

The code that represents the water flow on a FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BH120	RAPIDS
BH140	STREAM
BH180	WATERFALL

FLOWING-INLAND-WATER-WATER-WIDTH-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER delimited by the constant value of the average water width measured at a specified water level.

FLOWING-INLAND-WATER-WATER-WIDTH-REPRESENTATION-SEGMENT Width Dimension

The average width of the flowing water in a FLOWING-INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	1
Min Value:	0	**Max Value:**	99999.9	**Unit of Measure:**	Meters

FLOWING-INLAND-WATER-WATERFALL-REPRESENTATION-SEGMENT

A section of FLOWING-INLAND-WATER that depicts a substantial drop in elevation over a very short distance.

FLOWING-INLAND-WATER-WATERFALL-REPRESENTATION-SEGMENT Height Above surface Level Dimension

Distance measured from the lowest point of the base at ground or water level to the tallest point of the WATERFALL.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

FLOWING-INLAND-WATER-WATERFALL-REPRESENTATION-SEGMENT Highest Z Value Dimension

Elevation above a given datum to the highest portion of the WATERFALL.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	32767	**Unit of Measure:**	Meter

FLOWING-INLAND-WATER-WATERFALL-REPRESENTATION-SEGMENT Length Dimension

A measurement of the longer of two linear axes of the WATERFALL.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

FLOWING-INLAND-WATER-WATERFALL-REPRESENTATION-SEGMENT Obstruction to Navigation Code **New**

An indicator that a FLOWING-INLAND-WATER-WATERFALL-REPRESENTATION-SEGMENT in an inland water body is an obstruction to vessel movement.

Data Type:	Character-String	**Length:**	4

Domain Valid Value	Domain Value Definition
IWO0	Unknown
IWO1	Obstruction
IWO2	Not an obstruction

FLOWING-INLAND-WATER-WATERFALL-REPRESENTATION-SEGMENT Width Dimension

Distance measured from the smaller of the linear axes of the WATERFALL.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

FLUME

An open, inclined channel which carries water for use in such operations as mining or logging.

FORTIFICATION

A facility constructed for the military defense of a site. (See also AM060.)

FORTIFICATION Basic Encyclopedia Number **New**

The unique number used to identify the FORTIFICATION in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

FORTIFICATION Building Function Category Code **New**

The code indicating the purpose of the FORTIFICATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BFC0	Unknown
BFC13	Prison
BFC4	Castle
BFC99	Battery
BFC999	Other

FORTIFICATION-REPRESENTATION

A model of FORTIFICATION.

FORTIFICATION-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

FORTIFICATION-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

FORTIFICATION-REPRESENTATION Permanency Code

Indicates whether an object is temporary or permanent. See EXS 11 and EXS 18.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

FORTIFICATION-REPRESENTATION Service Branch Code

Identifies a specific military organization.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU999	Other

FORTIFICATION-REPRESENTATION Structure Shape of Roof Code

Roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR50	With Monitor
SSR51	With Steeple
SSR55	Flat with Monitor
SSR64	Gable with Monitor
SSR77	With Cupola
SSR78	With Turret
SSR79	With Tower
SSR999	Other

FOSSIL-FUEL-POWER-PLANT

A power plant that burns fossil fuels to create steam to drive turbine generators.

FOSSIL-FUEL-POWER-PLANT Type Code

The code that represents the kind of fuel used in a FOSSIL-FUEL-POWER-PLANT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO128	Refuse
PRO136	Peat
PRO17	Coal
PRO38	Gas
PRO67	Oil

FOSSIL-FUEL-POWER-PLANT-MAN-MADE-PILE

An association of a particular MAN-MADE-PILE of material with a particular FOSSIL-FUEL-POWER-PLANT.

FOSSIL-FUEL-POWER-PLANT-MAN-MADE-PILE Usage Code

The use to which a MAN-MADE-PILE is put to by a FOSSIL-FUEL-POWER-PLANT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Fuel
2	Waste

FOUL-GROUND-REPRESENTATION

A model of an area that is unsuitable for anchoring, grounding, or ground fishing due to obstructions.

FOUNTAIN

An artificial spring with water.

FOUNTAIN-REPRESENTATION

A model of a FOUNTAIN.

FOUNTAIN-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

FOUNTAIN-REPRESENTATION Hydrological Category Code

The code that indicates the annual water content of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HYC0	Unknown
HYC3	Dry
HYC6	Non-Perennial/Intermittent/Fluctuating
HYC8	Perennial/Permanent

FOUNTAIN-REPRESENTATION Spring/Well Characteristic Category Code

The code that indicates the type of available water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SCC0	Unknown
SCC1	Alkaline
SCC4	Mineral
SCC9	Freshwater/Potable

FOUNTAIN-REPRESENTATION Water Quality Code

The code that indicates the drinking quality of water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YWQ0	Unknown
YWQ1	Potable
YWQ2	Treatable
YWQ3	Contaminated

GANTRY

A frame structure raised on side supports so as to span over or around something.

GANTRY-REPRESENTATION

A model of a GANTRY

GANTRY-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the GANTRY-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction

GANTRY-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the GANTRY-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

GAUGING-STATION

A device which monitors stream flow.

GAUGING-STATION Identifier

The unique identifier for a GAUGING-STATION.

Data Type: Character-String **Length:** 35

GAUGING-STATION Name

Any Identifier or code.

Data Type: Character-String **Length:** 80

GEOGRAPHIC-NAME

A name applied to geographic space managed by an ORGANIZATION.

GEOGRAPHIC-NAME Full Name

The complete name of the entity. It is comprised of the specific name, generic name and any articles or prepositions. It is recorded with the specific name first. Inverted order is indicated with a comma if necessary (e.g., Bravo, Río de).

Data Type: Character-String **Length:** 200

GEOGRAPHIC-NAME Generic Name

An optional portion of GEOGRAPHIC-NAME Full Name that identifies the general type of feature.

Data Type: Character-String **Length:** 128

GEOGRAPHIC-NAME Identifier

The identifier that represents a particular managed GEOGRAPHIC-NAME.

Data Type: Character-String **Length:** 35

GEOGRAPHIC-NAME Object Type Code

The code that represents the high level type of object named by a GEOGRAPHIC-NAME.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Feature
2	Country
3	Country Administative Division

GEOGRAPHIC-NAME Region Code

A code that determines the character mapping used by the GEOGRAPHIC-NAME Full Name field.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Western Europe/Americas
2	Eastern Europe
3	Africa/Middle East
4	Central Asia
5	Asia/Pacific
6	Vietnam

GEOGRAPHIC-NAME Short Form Name

A standard shortened version of the full name.

Data Type: Character-String **Length:** 128

GEOGRAPHIC-NAME Sort Name

A form of Full_Name derived by translating all the special characters and letters with diacritics into their upper case ASCII collating sequence equivalents. Numerals 0 through 9 are translated into lower case letters a through j. All spaces and punctuation (except commas) are deleted- a comma is translated into a space. Sort_Name allows easy ordering of the name into gazetteer listing sequence.

Data Type: Character-String **Length:** 200

GEOGRAPHIC-NAME Type Code

The code that indicates the type of GEOGRAPHIC-NAME.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Conventional
D	Unverified
N	Native
V	Variant

GEOGRAPHIC-NAME-GEOMETRY

The association of a non-feature GEOGRAPHIC-NAME with a LOCATION.

GEOGRAPHIC-NAME-GEOMETRY Description Text

Description of the use of LOCATION for a particular GEOGRAPHIC-NAME.

Data Type: Character-String **Length:** 255

GEOID

The equipotential surface of the gravity field of the Earth.

GEOID Identifier

The identifier that represents a GEOID.

Data Type: Character-String **Length:** 20

GEOMETRIC-SPATIAL-ELEMENT

A geometric shape positioned in three dimensional space.

GEOMETRIC-SPATIAL-ELEMENT Extraction Date

The date on which a GEOMETRIC-SPATIAL-ELEMENT was produced.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

GEOMETRIC-SPATIAL-ELEMENT Type Code

The code that denotes a class of GEOMETRIC-SPATIAL-ELEMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
L	Line
P	Point
S	Surface
V	Geometric Volume

GEOMETRIC-VOLUME

A three-dimensional GEOMETRIC-SPATIAL-ELEMENT.

GEOMETRIC-VOLUME Lower Level Elevation Dimension

The elevation of the lowest point of a specified GEOMETRIC-VOLUME referenced to the Vertical Datum of the World Geodetic System 1984 (WGS 84).

Data Type: Floating-Point **Length:** 8 **Decimal Count:** 0
Min Value: -9999.99 **Max Value:** 99999.99 **Unit of Measure:** Feet

GEOMETRIC-VOLUME Type Code

The code that represents a class of GEOMETRIC-VOLUME.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
1	Cone Volume
2	Cylinder
3	Sphere

GEOMETRIC-VOLUME Upper Level Elevation Dimension

The elevation of the highest point of a specified GEOMETRIC-VOLUME referenced to the Vertical Datum of the World Geodetic System 1984 (WGS 84).

Data Type: Floating-Point **Length:** 8 **Decimal Count:** 0
Min Value: -9999.99 **Max Value:** 99999.99 **Unit of Measure:** Feet

GEOMETRIC-VOLUME-SURFACE

An association of a SURFACE as a boundary of a specific GEOMETRIC-VOLUME.

GEOPHYSICAL-MATHEMATICAL-MODEL

A mathematical approximation of a geophysical property of the Earth.

GEOPHYSICAL-MATHEMATICAL-MODEL Description Text

The text that describes a GEOPHYSICAL-MATHEMATICAL-MODEL.

Data Type: Character-String **Length:** 1000

GEOPHYSICAL-MATHEMATICAL-MODEL Epoch Calendar Date

The initial calendar date for which a GEOPHYSICAL-MATHEMATICAL-MODEL is valid.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

GEOPHYSICAL-MATHEMATICAL-MODEL Epoch Date

The initial date for which a geophysical model characterized a geophysical property of the Earth.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

GEOPHYSICAL-MATHEMATICAL-MODEL Epoch Time

The initial time for which a geophysical model is valid.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 235959 **Unit of Measure:** None

GEOPHYSICAL-MATHEMATICAL-MODEL Name

The name of a GEOPHYSICAL-MATHEMATICAL-MODEL.

Data Type: Character-String **Length:** 50

GEOPHYSICAL-PROSPECTING-GRID-REPRESENTATION

A model of a grid established for the collection of geophysical data within an area.

GEOPHYSICAL-SATELLITE

A man-made device placed in celestial orbit which carries geophysical sensors.

GEOPHYSICAL-SATELLITE End Date

The date on which the GEOPHYSICAL-SATELLITE's functionality is terminated.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

GEOPHYSICAL-SATELLITE Identifier

The unique identifier that represents a GEOPHYSICAL-SATELLITE.

Data Type: Character-String **Length:** 10

GEOPHYSICAL-SATELLITE Program Name

The name of the program sponsoring a GEOPHYSICAL-SATELLITE.

Data Type: Character-String **Length:** 50

GEOPHYSICAL-SATELLITE Start Date

The date on which the GEOPHYSICAL-SATELLITE became functional.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

GEOSPATIAL-FEATURE-ATTRIBUTE-ASSESSMENT

The results of an examination of a GEOSPATIAL-FEATURE-ATTRIBUTE to determine its quality against a set of criteria.

GEOSPATIAL-FEATURE-NAME

A name applied to a GEOSPATIAL-FEATURE-REPRESENTATION.

GEOSPATIAL-FEATURE-REP-AS-AN-AIR-OBSTRUCTION

A role of a GEOSPATIAL-FEATURE-REPRESENTATION as an AIR-OBSTRUCTION.

GEOSPATIAL-FEATURE-REPRESENTATION

A descriptive and geometric model of a GEOSPATIAL-FEATURE.

GEOSPATIAL-FEATURE-REPRESENTATION Certainty of Existence Code

A code indicating the level of knowledge associated with the existence of the GEOSPATIAL-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COE0	Unknown
COE1	Definite
COE2	Doubtful
COE3	Reported

GEOSPATIAL-FEATURE-REPRESENTATION Description Text

The precise narrative character representation of the GEOSPATIAL-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 250

GEOSPATIAL-FEATURE-REPRESENTATION Extraction Date

The date on which a GEOSPATIAL-FEATURE-REPRESENTATION is produced.

Data Type: Date **Length:** 8 **Decimal Count:** 0

Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

GEOSPATIAL-FEATURE-REPRESENTATION Identifier

The identifier that represents a GEOSPATIAL-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 35

GEOSPATIAL-FEATURE-REPRESENTATION Type Code

The code that represents the type of GEOSPATIAL-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
1	Airport
10	Railroad Yard
100	Rectangular Movement Surface (Airport)
101	Rectangular Smokestack
102	Reef
103	Road Gallery
104	Roadbed
105	Round Smokestack
106	Runway (Airport)
107	Runway End (Airport)
108	Slaved Variation
109	Smokestack
11	Road
110	Snag (Maritime Hazard)
111	Solar Panel
112	Terminal Procedure Segment
113	Terminal Procedure Segment Altitude
114	Tunnel Bore
115	Tunnel Passage Component
116	Tunnel Passage Component Overburden
117	Tunnel Portal
118	Tunnel Tube
119	Visual Hydrographic Aid to Navigation Group
12	Shore Protection Structure
120	Water Control Structure
121	Well
122	Glacier
123	Ice Peak
124	Nunatak
125	Permanent Polar Ice
126	Seasonal Polar Ice Extent
127	Permanent Pack Ice
128	Seasonal Pack Ice Extent
129	Ice Shelf
13	Shoreline
130	Ice Cliff
131	Potential Landslide
132	Cliff
133	Depression
134	Geothermal Feature

135	Rock Formation
136	Mountain Pass
137	Crevice
138	Cave
139	Fault
14	Administrative Feature
140	Moraine
141	Esker
142	Sand Dune
143	Volcano
144	Cut
145	Embankment
146	Volcanic Dike
147	Natural Land Cover
148	Automotive Parking Area
149	Submerged Production Platform
15	Air Route
150	Shoal
151	Unexploded Ordnance
152	Bottom Feature
153	Bottom Characteristics
154	Contact Zone
155	Access Zone
156	Firing Range
157	Relief
158	Air Warning Light
159	Aircraft Movement Surface
16	Airspace Sector
160	Aircraft Movement Surface Shoulder
161	Aqueduct
162	Barrier
163	Boat Lift
164	Bridge Superstructure
165	Bridge Tower
166	Cable
167	Communication Tower
168	Communications Building
169	Control Tower
17	Bridge
170	Cooling Tower
171	Current Flow
172	Decked Berthing Structure
173	Dike
174	Directional Radiobeacon Hydrographic Aid to Navigation

175	Disk
176	Dragon Teeth
177	Drainage Ditch
178	Dredge
179	Early Warning Radar Site
18	Flowing Inland Water
180	Electric Wind Motor
181	Entrance Exit
182	Fan
183	Ferry Crossing
184	Ferry Site
185	Filtration Bed
186	Fish Farm
187	Geophysical Prospecting Grid
188	Gridiron
189	Ground Obstacle
19	Flowing Inland Water Bank
190	Ground Surface Element
191	Gully
192	Hanger
193	Hill
194	Hulk
195	Hydrographic Aid to Navigation Buoy
196	Hydrographic Aid to Navigation Lightship
197	Inland Water Control Gate
198	Instrument Landing System Component
199	Interchange
2	Anchorage
20	Hydrographic Aid to Navigation
200	Landmark Post
201	Landslide
202	Leading Line
203	Lighting System Type
204	Man Made Air Obstruction
205	Mad Made Pile Content
206	Maritime Station
207	Miscellaneous Cultural Feature
208	Miscellaneous Obstacle
209	Miscellaneous Surface Drainage
21	Hydrographic Aid to Navigation Component
210	Miscellaneous Underwater Feature
211	Mooring Buoy
212	Mooring Mast
213	Mooring Ring

214	Offshore Platform
215	Oil Gas Field
216	Overrun
217	Penstock
218	Permanent Ice
219	Pingo
22	Inland Water Control Structure
220	Pumping Station
221	Quarry Wall
222	Radar Range
223	Radar Reference Line
224	Radar Transmitter
225	Railroad Turntable
226	Rectangular Cooling Tower
227	Revetment
228	Rig
229	Round Cooling Tower
23	Parking Area
230	Route Marker
231	Runway Arresting System
232	Runway Radar Reflector
233	Salt Evaporator
234	Seasonal Ice Extent
235	Seasonal Polar Ice
236	Settling Basin
237	Shore Feature
238	Snow Ice Field
239	Spillway
24	Road Rest Area
240	Station
241	Telephone Line
242	Telephone Pole
243	Terminal Procedure Feeder Route2
244	Terminal Procedure Segment Air Nav Aid Ref Object
245	Tidal Flow Measurement
246	Tide Gauge
247	Traffic Gate
248	Traffic Protection Structure
249	Trail
25	Shore
250	Unimprove Road
251	Water Intake Tower
26	Vegetation
27	Standing Inland Water

28	Tunnel
29	Conveyor
3	Berthing Structure
30	Round Power Plant Cooling Tower
31	Power Plant Cooling Pond
32	Man Made Pile
33	Power Generation Facility
34	Power Line
35	Power Plant
36	Substation
37	Telpher
38	Rectangular Power Plant Cooling Tower
4	Channel
40	Aeronautical Navigational Aid Waypoint
41	Active Electronic Hydrographic Aid to Navigation
42	Aeronautical Navigational Aid
43	Aeronautical Navigational Aid Protected Frequency
44	Air Refueling Route Altitude
45	Air Route Segment
46	Air Segment in Air Route
47	Approach Minima Category (Airport Terminal Procedure)
48	Apron (Airport)
49	Backshore
5	Harbor
50	Berth
51	Blast Fence (Airport)
52	Bridge Span
53	Bridge Span Support Structure
54	Buoy Transfer Berth
55	Circular Movement Surface (Airport)
56	Crib
57	Culvert
58	Dam
59	Dam Gate
6	Offshore Platform
60	Decked Berthing Structure
61	Dike
62	Directional Radiobeacon Hydrographic Aid to Navigation
63	Drop Gate
64	Dry Dock Structure
65	Extraction Mine
66	Fish Haven
67	Fish Stakes
68	Flood Barrage

69	Flowing Inland Water Bank
7	Passageway
70	Foul Ground
71	Hardstand (Airport)
72	Helipad
73	Hydrographic Aid to Navigation Beacon
74	Hydrographic Feature
75	Hydrographic Navigation Light
76	Hydrographic Navigation Light Beam
77	Inland Water
78	Irregular Movement Surface (Airport)
79	Kelp
8	Port
80	Keyhole (Airport)
81	Levee
82	Lock
83	Maritime Hazard
84	Maritime Ramp
85	Maritime Wreck
86	Measured Distance Line
87	Military Training Route Segment
88	Military Training Route Segment Fix
89	Military Training Route Segment Point
9	Railroad Track
90	Minimum Safe Altitude
91	Mining Facility
92	Moat
93	Oyster Mussel Bed
94	Piling
95	Pipeline
96	Point Magnetic Variation
97	Power Line Support Structure
98	Pumping Station
99	Railroad

GEOSPATIAL-FEATURE-REPRESENTATION-AS-A-GROUND-OBSTACLE **New**

The association of a GEOSPATIAL-FEATURE-REPRESENTATION of any type with a GROUND-OBSTACLE-REPRESENTATION.

GEOSPATIAL-FEATURE-REPRESENTATION-AS-A-MARITIME-HAZARD

A role of a GEOSPATIAL-FEATURE-REPRESENTATION as a MARITIME-HAZARD.

GEOSPATIAL-FEATURE-REPRESENTATION-AS-AN-OVERHEAD-OBSTRUCTION New

A role of a GEOSPATIAL-FEATURE-REPRESENTATION as an OVERHEAD-OBSTRUCTION.

GEOSPATIAL-FEATURE-REPRESENTATION-ASSESSMENT

Statements about the quality of a specific GEOSPATIAL-FEATURE-REPRESENTATION..

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE

A characteristic of a geospatial feature.

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS

The class of attribute lists assigned to a GEOSPATIAL-FEATURE-REPRESENTATION.

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS Code

The code that denotes a GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
SeeFACCPart4AnnexB	SeeFACC Part4 AnnexB

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS Description Text

The text that describes the GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS.

Data Type: Character-String **Length:** 350

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS Name

The name of a GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS.

Data Type: Character-String **Length:** 50

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS-QUALIFIER

Information that provides further detail within a geospatial feature attribute class that may be used for geospatial feature characterization. DIGEST provides the lists of available qualifier (value) codes and descriptors in Part 4 Annex B.

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS-QUALIFIER Code

The code that denotes a qualifier of the selected GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SeeFACCPart4AnnexB	See FACC Part 4 Annex B

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS-QUALIFIER Description Text

The text that describes the GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-CLASS-QUALIFIER.

Data Type: Character-String **Length:** 75

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DESCRIPTOR

The variable length text string providing descriptive detail to a geospatial feature attribute as required by the attribute class. For example, the feature attribute class 'Name' requires that the name of the feature be provided as a text string.

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DESCRIPTOR Text

The text that describes the GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DESCRIPTOR.

Data Type: Character-String **Length:** 75

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAIL

Information about a specific geospatial feature that provides a more detailed description of a geospatial feature attribute. The detail is one of three types, which are geospatial feature attribute descriptor, geospatial feature attribute measurement, and geospatial feature attribute qualifier. DIGEST Part 4 Annex B provides a list of standard values for each attribute.

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAIL Sequence Identifier

The sequence identifier that distinguishes between several GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAILs that exists for the same GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAIL Type Code.

Data Type: Character-String **Length:** 15

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAIL Type Code

The code that denotes the type of GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAIL.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Descriptor
2	Measurement
3	Qualifier

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-MEASUREMENT

The specific geospatial feature attribute class qualifier used to provide the detail description of a specific geospatial feature attribute.

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-MEASUREMENT Measured Quantity

The quantity of the measured value for the GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAIL.

Data Type: Floating-Point **Length:** 15 **Decimal Count:** 0
Min Value: -1e+014 **Max Value:** 1e+015 **Unit of Measure:** None

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-MEASUREMENT Unit of Measure Text

The text describing the value of a GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-DETAIL.

Data Type: Character-String **Length:** 250

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-QUALIFIER

The specific geospatial feature attribute class qualifier used to provide the detail description of a specific geospatial feature attribute.

GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-RESTRICTION

The association that defines the restrictions that exist for a GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE.

GEOSPATIAL-FEATURE-REPRESENTATION-DATASET-COMPONENT

A GEOSPATIAL-FEATURE-REPRESENTATION of functional interest included within a DATASET.

GEOSPATIAL-FEATURE-REPRESENTATION-DENSITY-MEASURE **New**

An unnormalized method of accounting for legacy feature density information where the feature is a unitary object, such as a Building. Will be replaced at a later date.

GEOSPATIAL-FEATURE-REPRESENTATION-DENSITY-MEASURE Roof Cover Percent Rate **New**

Roof cover measures as a percentage of a defined area within the feature.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	100	**Unit of Measure:**	Percent

GEOSPATIAL-FEATURE-REPRESENTATION-DENSITY-MEASURE Structure Quantity **New**

Density of structures within a square kilometer (1000m x 1000m).

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Structures

GEOSPATIAL-FEATURE-REPRESENTATION-DIRECTIVITY

Depicts the primary directive reflectance for a GEOSPATIAL-FEATURE.

GEOSPATIAL-FEATURE-REPRESENTATION-DIRECTIVITY Code

Indicates the type of reflectance directivity to be expected for a GEOSPATIAL-FEAUTRE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
DIR0	Unknown
DIR1	Uni
DIR2	Bi
DIR3	Omni
DIR999	Other

GEOSPATIAL-FEATURE-REPRESENTATION-FEATURE-TYPE

The probability that the proper GEOSPATIAL-FEATURE-TYPE Code has been correctly assigned to a GEOSPATIAL-FEATURE-REPRESENTATION.

GEOSPATIAL-FEATURE-REPRESENTATION-FEATURE-TYPE Effective Date

The date on which the GEOSPATIAL-FEATURE-TYPE was assigned to the GEOSPATIAL-FEATURE-REPRESENTATION.

Data Type:	Date	**Length:**	8	**Decimal Count:**	0
Min Value:	101	**Max Value:**	99991231	**Unit of Measure:**	None

GEOSPATIAL-FEATURE-REPRESENTATION-GEOGRAPHIC-NAME

The association of a GEOSPATIAL-FEATURE-REPRESENTATION with a GEOGRAPHIC-NAME.

GEOSPATIAL-FEATURE-REPRESENTATION-GEOMETRY

A GEOMETRIC-SPATIAL-ELEMENT that forms part of a geometric model for a GEOSPATIAL-FEATURE-REPRESENTATION.

GEOSPATIAL-FEATURE-REPRESENTATION-HYDROGRAPHIC-AID-TO-NAVIGATION-PLATFORM

A perspective of a GEOSPATIAL-FEATURE where the feature is a support platform for a HYDROGRAPHIC-AID-TO-NAVIGATION.

GEOSPATIAL-FEATURE-REPRESENTATION-MAGNETIC-DISTURBANCE-AREA **New**

A localized anomaly in the Earth's magnetic field.

GEOSPATIAL-FEATURE-REPRESENTATION-MAGNETIC-DISTURBANCE-AREA Certainty of Delineation Code **New**

The code that indicates knowledge of the limits and knowledge associated with the GEOSPATIAL-FEATURE-REPRESENTATION-MAGNETIC-DISTURBANCE-AREA.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

GEOSPATIAL-FEATURE-REPRESENTATION-MAGNETIC-DISTURBANCE-AREA Condition Code **New**

A code indicating the state or condition of the GEOSPATIAL-FEATURE-REPRESENTATION-MAGNETIC-DISTURBANCE-AREA.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS45	Natural
EXS46	Man-made

GEOSPATIAL-FEATURE-REPRESENTATION-MAGNETIC-DISTURBANCE-AREA Variation Anomaly Angle **New**

The difference between the magnetic variation of the disturbance area and the magnetic variation of the surrounding area.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	359	**Unit of Measure:**	Degree

GEOSPATIAL-FEATURE-REPRESENTATION-REFERENCE-DATUM

The association of a GEOSPATIAL-FEATURE and a REFERNCE-DATUM.

GEOSPATIAL-FEATURE-REPRESENTATION-RESTRICTION

The association that defines the restrictions that exist for a GEOSPATIAL-FEATURE-REPRESENTATION.

GEOSPATIAL-FEATURE-TYPE

A class of GEOSPATIAL-FEATURE.

GEOSPATIAL-FEATURE-TYPE Code

The code that denotes a specific GEOSPATIAL-FEATURE-TYPE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SeeFACCPart4AnnexA	See FACC Part4 AnnexA

GEOSPATIAL-FEATURE-TYPE-ASSESSMENT

Statements about the quality of a specific type of GEOSPATIAL-FEATURE.

GEOTHERMAL-FEATURE

A terrain surface feature controlled by or derived from the heat of the Earth's interior.

GEOTHERMAL-FEATURE Identifier

The identifier that represents a GEOTHERMAL-FEATURE.

Data Type: Character-String **Length:** 35

GEOTHERMAL-FEATURE Type Code

A code indicating the classification of a GEOTHERMAL-FEATURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SWT0	Unknown
SWT1	Geyser
SWT2	Hot Spring
SWT3	Fumarole

GEOTHERMAL-FEATURE-REPRESENTATION

A model of a GEOTHERMAL-FEATURE.

GEOTHERMAL-FEATURE-REPRESENTATION Bearing Angle **New**

Bearing of movement or direction of the flow.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degree

GEOTHERMAL-POWER-PLANT

A power plant that exploits the thermal energy in the earth to drive turbine generators.

GLACIER

A large mass of snow and ice that slowly advance and recede along a slope or valley from above the snowline.

GLACIER-REPRESENTATION

A model of a GLACIER.

GLACIER-REPRESENTATION Area

New

The absolute area within the delineation of a GLACIER-REPRESENTATION.

Data Type:	Integer	**Length:**	10	**Decimal Count:**	0
Min Value:	1	**Max Value:**	9999999999	**Unit of Measure:**	Square Meters

GLACIER-REPRESENTATION Average Width Dimension

The average linear distance of a GLACIER-REPRESENTATION measured perpendicular to the length.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

GLACIER-REPRESENTATION Centerline Length Dimension

The linear distance of the centerline of the GLACIER-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

GLACIER-REPRESENTATION Highest Z-Value Dimension

New

The elevation above a given datum to the highest portion of the GLACIER-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

GLACIER-REPRESENTATION Predominant Thickness Dimension

The average thickness of a GLACIER-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

GRAIN-STORAGE-STRUCTURE

An enclosed container, used for storing grain or fodder.

GRAIN-STORAGE-STRUCTURE Type Code

The code that indicates the type of GRAIN-STORAGE-STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AM020	Grain Bin
AM030	Grain Elevator

GRAIN-STORAGE-STRUCTURE Usage Code **New**

A code indicating the the primary user of the GRAIN-STORAGE-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE49	Civilian/Public
USE8	Military

GRAIN-STORAGE-STRUCTURE-REPRESENTATION

A model of a GRAIN-STORAGE-STRUCTURE.

GRAIN-STORAGE-STRUCTURE-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the GRAIN-STORAGE-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

GRAIN-STORAGE-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the GRAIN-STORAGE-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

GRAIN-STORAGE-STRUCTURE-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the GRAIN-STORAGE-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

GRAIN-STORAGE-STRUCTURE-REPRESENTATION Predominant Height Dimension

The predominant height of 51% or more of the feature. If not obtainable, then the average height of the feature will be used.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

GRAIN-STORAGE-STRUCTURE-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the GRAIN-STORAGE-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC12	Pyramid
SSC17	Spherical (Hemispherical)
SSC65	Cylindrical with flat top
SSC66	Cylindrical with domed top
SSC71	Cylindrical/Peaked
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

GRAIN-STORAGE-STRUCTURE-REPRESENTATION Structure Shape of Roof Code **New**

The code indicating the shape of the roof of the GRAIN-STORAGE-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR6	Conical/Peaked/NUN
SSR999	Other

GRAIN-STORAGE-STRUCTURE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the GRAIN-STORAGE-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

GRANDSTAND-REPRESENTATION

New

A model of a GRANDSTAND.

GRANDSTAND-REPRESENTATION Highest Z-Value Dimension

New

The elevation above a given datum to the highest portion of the GRANDSTAND-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

GRANDSTAND-REPRESENTATION Surface Material Code

New

The code indicating the surface material composition of the GRANDSTAND-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

GRID-CELL

A defined area within a GRID-SYSTEM.

GRID-CELL Identifier

The identifier that represents a GRID-CELL.

Data Type: Character-String **Length:** 30

GRID-CELL-ASSOCIATION

The hierarchical association of one GRID-CELL to another GRID-CELL.

GRID-CELL-BOUNDARY

The boundary of a GRID-CELL.

GRID-CELL-BOUNDARY Type Code

The type of GRID-CELL-BOUNDARY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Latitude-Longitude Boundary
2	Point/Line Boundary

GRID-CELL-BOUNDARY-LATITUDE-LONGITUDE

A GRID-CELL BOUNDED by lines of constant latitude and longitude.

GRID-CELL-BOUNDARY-LATITUDE-LONGITUDE East Longitude Coordinate

The east longitude boundary of a GRID-CELL.

Data Type: Fixed-Point **Length:** 10 **Decimal Count:** 5
Min Value: -180 **Max Value:** 180 **Unit of Measure:** Degrees

GRID-CELL-BOUNDARY-LATITUDE-LONGITUDE North Latitude Coordinate

The north latitude boundary of a GRID-CELL.

Data Type: Fixed-Point **Length:** 10 **Decimal Count:** 6
Min Value: -90 **Max Value:** 90 **Unit of Measure:** Degrees

GRID-CELL-BOUNDARY-LATITUDE-LONGITUDE South Latitude Coordinate

The south latitude boundary of a GRID-CELL.

Data Type: Fixed-Point **Length:** 10 **Decimal Count:** 6
Min Value: -90 **Max Value:** 90 **Unit of Measure:** Degrees

GRID-CELL-BOUNDARY-LATITUDE-LONGITUDE West Longitude Coordinate

The west latitude boundary of a GRID-CELL.

Data Type: Fixed-Point **Length:** 10 **Decimal Count:** 5
Min Value: -180 **Max Value:** 180 **Unit of Measure:** Degrees

GRID-CELL-BOUNDARY-POINT

An association of a GRID-CELL-BOUNDARY-POINT-BOUNDED with a POINT-COORDINATE.

GRID-CELL-BOUNDARY-POINT Sequence Identifier

The identifier that represents the place in sequence of a GRID-CELL-BOUNDARY-POINT.

Data Type: Character-String **Length:** 3

GRID-CELL-BOUNDARY-POINT-BOUNDED

A GRID-CELL bounded by POINTs.

GRID-SYSTEM

A system of planar space partitioning.

GRID-SYSTEM Identifier

The identifier that represents a GRID-SYSTEM.

Data Type: Character-String **Length:** 20

GRID-SYSTEM Type Code

The code that represents the type of GRID-SYSTEM.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	TBD

GRIDIRON

A flat frame, usually of parallel timber bulks, erected on the foreshore so that a vessel may dry out on it for painting or repair at low water.

GRIDIRON Identifier

The identifier that represents a GRIDIRON.

Data Type: Character-String **Length:** 35

GRIDIRON-REPRESENTATION

A model of a GRIDIRON.

GROIN-REPRESENTATION

New

A model of a structure which normally projects outward from a shoreline and which protects a beach from erosion by disrupting the longshore movement of sand and other sediments, not by preventing waves from reaching the shoreline.

GROUND-OBSTACLE

New

A feature which serves as an obstacle to cross country movement of military vehicles.

GROUND-OBSTACLE Type Code

New

Code list of features that have no FACC code.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MFT 1	Shelterbelt/Windbreak
MFT 10	General Military Obstacle
MFT 11	General Linear Obstacle
MFT 12	Area of Enmeshing Channels (Areas where several wadis come together)
MFT 13	Tidal Flats
MFT 2	Elevated Structure
MFT 3	Wooded Gully
MFT 4	Anti-tank Ditch
MFT 5	Impact Area
MFT 6	Minefield
MFT 7	Representative Pattern Area
MFT 8	General Surface Drainage Obstacle
MFT 9	General Area Obstacle

GROUND-OBSTACLE-REPRESENTATION

New

A model of a GROUND-OBSTACLE.

GROUND-OBSTACLE-REPRESENTATION Height Category Code **New**

The code indicating the categorized maximum height or depth of an obstacle feature in meters.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

GROUND-OBSTACLE-REPRESENTATION Highest Z Value Dimension **New**

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

GROUND-OBSTACLE-REPRESENTATION Predominant Depth Dimension **New**

The predominant depth within the delineation of the GROUND-OBSTACLE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: 0.01 **Max Value:** 100 **Unit of Measure:** Meters

GROUND-OBSTACLE-REPRESENTATION Predominant Height Dimension **New**

Predominant height within delineation of feature.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: 0.01 **Max Value:** 100 **Unit of Measure:** Meters

GROUND-OBSTACLE-REPRESENTATION Slope Rate **New**

*Percentage of slope. (i.e. The change in height divided by the horizontal distance over which the change takes place, times one hundred ((h2-h1)/d)*100.).*

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

GROUND-OBSTACLE-REPRESENTATION Vertical Reference Category Code **New**

Relative location referenced to sounding datum, unless otherwise indicated.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR2	Awash at Sounding Datum
VRR4	Below Surface/Submerged
VRR8	Covers and Uncovers
VRR9	Not Applicable

GROUND-POSITION-POLYNOMIAL-COEFFICIENT

A rational polynomial coefficient used to correlate an actual position with image space.

GROUND-POSITION-POLYNOMIAL-COEFFICIENT I Quantity

The value of the ith power of longitude for this polynomial coefficient.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 0 **Max Value:** 5 **Unit of Measure:** Dimensionless

GROUND-POSITION-POLYNOMIAL-COEFFICIENT J Quantity

The value of the jth power of latitude for this polynomial coefficient.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 0 **Max Value:** 5 **Unit of Measure:** Dimensionless

GROUND-POSITION-POLYNOMIAL-COEFFICIENT K Quantity

The value of the kth power of height above the ellipsoid for this polynomial coefficient.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 0 **Max Value:** 3 **Unit of Measure:** Dimensionless

GROUND-POSITION-POLYNOMIAL-COEFFICIENT Quantity

Coefficient value for adjustment of image position in relation to ground truth.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings

GROUND-POSITION-POLYNOMIAL-COEFFICIENT Type Code

The code that indicates the role of this polynomial coefficient.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Row Numerator Polynomial
2	Row Denominator Polynomial
3	Column Numerator Polynomial
4	Column Denominator Polynomial

GROUND-SURFACE-ELEMENT

A ground surface element of the earth.

GROUND-SURFACE-ELEMENT Identifier

The unique identifier of a GROUND-SURFACE-ELEMENT.

Data Type: Character-String **Length:** 25

GROUND-SURFACE-ELEMENT-REPRESENTATION

A model of a ground surface element.

GROUND-SURFACE-ELEMENT-REPRESENTATION Area

The absolute area within the delineation of the GROUND-SURFACE-ELEMENT.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

GROUND-SURFACE-ELEMENT-REPRESENTATION Depth to Water Table Code

Ranges of average depth (meters) of a zone of saturation except where bounded by an impermeable body, in which no water table exists.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YWT0	Unknown
YWT1	>0 and <=0.3
YWT2	>0.3 and <=1.2
YWT3	>1.2
YWT4	At ground surface

GROUND-SURFACE-ELEMENT-REPRESENTATION Percent of Roof Cover Rate

Roof cover measured by percent within area of ground surface element feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

GROUND-SURFACE-ELEMENT-REPRESENTATION Soil Depth Precision Code

Ranges of detailed depth (meters) of soil or unconsolidated material over bedrock.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SDE0	Unknown
SDE1	<=0.25
SDE2	>0.25 and <=0.5
SDE3	>0.5 and <=1.5
SDE4	>1.5 and <=2.5
SDE5	>2.5 and <=5.0
SDE6	>5.0 and <=10.0
SDE7	>10.0

GROUND-SURFACE-ELEMENT-REPRESENTATION Soil Trafficability Group Code

Soils described by the Unified Soil Classification System categorized by their wet weather trafficability characteristics.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
STG0	Unknown
STG1	A (GW, GP, SW, SP)
STG2	B (CH)
STG3	C (GC, SC, CL)
STG4	D (GM, SM, ML, ML-CL, MH, OL, OH)
STG5	E (PT)
STG6	X (Not Evaluated)

GROUND-SURFACE-ELEMENT-REPRESENTATION Soil Type Code

Soils described by the Unified Soil Classification System.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
STP 6	SP Poorly graded sands or gravelly sands, little or no fines
STP0	Unknown
STP1	GW Well graded gravels or gravel-sand mixtures, little or no fines
STP10	CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
STP11	OL Organic silts and organic silty clays
STP12	CH Inorganic clays of high placticity, fat clays
STP13	MH Inorganic silts, micaceous or diatomaceous
STP14	OH Organic clays of medium ot high plasticity, organic silts
STP15	PT Peat and other highly organic soils
STP17	ML-CL Soil type having both ML and CL characteristics
STP18	Evaporites
STP2	GP Poorly graded gravels or gravel-sand mixtures, little or no fines
STP3	GM Silty gravels, gravel-sand silt mixtures
STP4	GC Clayey gravels, gravel-sand-clay mixtures
STP5	SW Well graded sand or gravelly sands, little or no fines
STP7	SM Silty sands, sand-silt mixture
STP8	SC Clayey sands, sand-clay mixtures
STP9	ML Inorganic silts and very fine sands, rock floor, silty or clayey fine sands or clayey with slight plasticity
STP99	Not Evaluated
STP999	Other

GROUND-SURFACE-ELEMENT-REPRESENTATION Soil Wetness Condition Code

Code designating the general moisture content or condition of a soil.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SWC0	Unknown
SWC1	Dry
SWC2	Moist
SWC3	Wet
SWC4	Frozen/Permafrost
SWC999	Other

GROUND-SURFACE-ELEMENT-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC103	Snow/Ice
SMC104	Soil
SMC119	Distorted Surface
SMC120	Sand and Gravel
SMC122	Evaporites
SMC124	Sand and Boulders
SMC126	Sand and Mud
SMC127	Karst
SMC202	Wetland Vegetation
SMC46	Gravel
SMC5	Asphalt
SMC52	Lava
SMC55	Loess
SMC65	Mud
SMC68	Oil Blister
SMC8	Boulders
SMC84	Rock/Rocky
SMC88	Sand
SMC999	Other

GROUND-SURFACE-ELEMENT-REPRESENTATION Surface Roughness Code

Describes the condition of the surface materials in regard to their use for mobility prediction, construction material, and landing sites.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SRD0	Unknown
SRD1	No surface roughness effect
SRD11	Surface of numerous cobbles and boulders
SRD12	Areas of stony terrain
SRD13	Stony soil with surface rock
SRD14	Stony soil with scattered boulders
SRD15	Stony soil with numerous boulders
SRD16	Numerous boulders
SRD17	Numerous rock outcrops
SRD18	Area of scattered boulders
SRD19	Talus slope
SRD2	Area of high landslide potential
SRD20	Boulder Field
SRD31	Highly fractured rock surface
SRD32	Weathered lava flows
SRD33	Unweathered lava flows
SRD34	Stony soil with numerous rock outcrops
SRD35	Irregular surface with deep fractures of foliation
SRD36	Rugged terrain with numerous rock outcrops
SRD37	Rugged bedrock surface
SRD38	Sand dunes
SRD39	Sand junes/low
SRD40	Sand junes/high
SRD41	Active sand dunes
SRD42	Stabilized sand dunes
SRD43	Highly distorted area, sharp rocky ridges
SRD51	Stony soil cut by numerous gullies
SRD52	Moderately dissected terrain
SRD53	Moderately dissected terrain with scattered rock outcrops
SRD54	Dissected floodplain
SRD55	Highly dissected terrain
SRD56	Area with deep erosional gullies
SRD57	Steep, rugged, dissected terrain with narrow gullies
SRD58	Karst areas of numerous sinkholes and solution valleys
SRD59	Karst area of numerous sinkholes
SRD60	Karst/hummocky terrain covered with large conical hills
SRD61	Karst/hummocky terrain covered with low, broad-based mound
SRD62	Arroyo/wadi/wash
SRD63	Playa/dry lake

SRD64	Area of numerous meander scars and/or oxbow lakes
SRD65	Solifluction lobes and frost scars
SRD66	Hummocky ground, areas of frost heaving
SRD67	Area of frost polygons
SRD68	Area containing sabkhas
SRD69	Area of numerous small lakes and ponds
SRD70	Area of numerous crevasses
SRD81	Area of numerous terraces
SRD82	Quarries
SRD83	Strip Mines
SRD84	Quarry/gravel pit
SRD85	Quarry/sand pit
SRD86	Mine tailing/waste piles
SRD87	Salt evaporators
SRD88	Area of numerous dikes
SRD89	Area of numerous diked fields
SRD90	Area of numerous fences
SRD91	Area of numerous stone walls
SRD92	Area of numerous man-made canals/drains/ditches
SRD93	Area of numerous terraced fields
SRD94	Parrallel earthen mounds (row crops)
SRD95	Area of numerous hedgerows
SRD999	Other

GROUND-SURFACE-ELEMENT-REPRESENTATION Surface Roughness Qualifier Identifier

An identifier which relates a surface material mapping unit to a Surface Roughness Description (SRD) value.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** None

GROUND-SURFACE-ELEMENT-REPRESENTATION Surficial Material Depth Category Code

Estimates general depth of soil or unconsolidated surface materials, expressed in 0.5 meter increments.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SM10	Unknown
SM11	<0.5 (Meters)
SM12	>=0.5 (Meters)

GROUND-SURFACE-ELEMENT-REPRESENTATION Tailored Surface Roughness Description Text

Describes a unique condition of the surface materials or surface geomorphology that may be used for mobility prediction, construction material, and landing sites, and is not covered under the standard SRD values.

Data Type: Character-String **Length:** 255

GROUND-SURFACE-ELEMENT-REPRESENTATION Text

Narrative or other description.

Data Type: Character-String **Length:** 255

GULLY

A long, narrow, deep erosion with steep banks.

GULLY Identifier

The identifier that represents a GULLY.

Data Type: Character-String **Length:** 35

GULLY-REPRESENTATION

A model of a GULLY.

GULLY-REPRESENTATION Depth Below Surface Level Dimension

The distance measured from the highest point at surface level to the lowest point of the feature below the surface.

Data Type: Floating-Point **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767.9 **Unit of Measure:** Meters

GULLY-REPRESENTATION Military Gap Width Dimension

The minimum horizontal bridging distance between the banks of the GULLY.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

GULLY-REPRESENTATION Width Dimension

A linear distance measured perpendicular to the length of a GULLY-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

GULLY-REPRESENTATION-SIDE

A model of the side of a GULLY.

GULLY-REPRESENTATION-SIDE Bank Gradient Dimension

The slope of the bank of the GULLY (facing downstream) above water level.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** Percent

GULLY-REPRESENTATION-SIDE Bank Height Dimension

Height of the bank above the water level (facing downstream) to the average water level.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

GULLY-REPRESENTATION-SIDE Bank Vegetation Type Code

A code indicating the density of vegetation found on the downstream right bank.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
BVL0	Unknown
BVL1	Open (<=5%)
BVL2	Sparse (>5%<=15%)
BVL3	Medium (>15%<=50%)
BVL4	Dense (>50%)
BVR0	Unknown
BVR1	Open (<=5%)
BVR2	Sparse (>5%<=15%)
BVR3	Medium (>15%<=50%)
BVR4	Dense (>50%)

GULLY-REPRESENTATION-SIDE Type Code **New**

A code indicating the side of the GULLY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Right
2	Left

HANGAR

Aircraft enclosures capable of containing one or more aircraft and allowing the free movement of these aircraft in, out or within for the purpose of storage, weather protection, or of performing some level of aircraft maintenance.

HANGAR Condition Code

A code indicating the condition of the HANGAR relating to its intended use.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
C	Under Construction
F	Fair
FE	Fair Estimated
G	Good
GE	Good Estimated
P	Poor
PE	Poor Estimated
U	Unknown
X	Unserviceable

HANGAR Design Type Code

A code indicating the design style of the HANGAR.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
G	Underground
N	Nose
O	Open End
T	T-shaped

HANGAR Existence Code

The reliability/degree of confidence associated with the existence of a HANGAR.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Confirmed
2	Probable
3	Possible
4	Doubtful
5	Improbable
6	Truth cannot be judged

HANGAR Heat Availability Code

The code indicating the availability of heat in the HANGAR.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Available
E	Estimated
N	None
U	Unknown

HANGAR Identifier

The identifier that uniquely identifies a HANGAR.

Data Type: Character-String **Length:** 10

HANGAR Partition Type Code

A code indicating the number of bays that a hangar is partitioned into by walls or posts.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Double bay
M	Multi-bay
S	Single bay

HANGAR-MATERIAL-COMPOSITION

Information describing the material composition of a HANGAR.

HANGAR-MATERIAL-COMPOSITION Code

The code indicating the material composition of a HANGAR.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC021	Concrete
MCC062	Masonry
MCC107	Steel
MCC117	Wood
MCC999	Other

HANGAR-REPRESENTATION

A model of a HANGAR.

HANGAR-REPRESENTATION Door Opening Height Dimension

Height of HANGAR door opening.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 10 **Max Value:** 99 **Unit of Measure:** Feet

HANGAR-REPRESENTATION Door Opening Width Dimension

Width of the HANGAR door opening.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 25 **Max Value:** 999 **Unit of Measure:** Feet

HANGAR-REPRESENTATION Length Dimension

Length of the HANGAR.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 10 **Max Value:** 9999 **Unit of Measure:** Feet

HANGAR-REPRESENTATION Operational Status Code

The code indicating the operational status of the HANGAR.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
NOP	Operational
OPR	Non-operational
U	Unknown
Z	Inconclusive analysis

HANGAR-REPRESENTATION Width Dimension

The width of the HANGAR.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 10 **Max Value:** 9999 **Unit of Measure:** Feet

HARBOR

A protected area of water where vessels, sea planes, and other watercraft can anchor or dock.

HARBOR Identifier

The identifier that represents a HARBOR.

Data Type: Character-String **Length:** 35

HARBOR-ASSOCIATION

An association of a HARBOR with another HARBOR.

HARBOR-ASSOCIATION Reason Text

The text describing the manner in which one HARBOR is associated with another HARBOR.

Data Type: Character-String **Length:** 250

HARBOR-CHANNEL

An association of a specific HARBOR with a specific CHANNEL.

HARBOR-REPRESENTATION

A model of a HARBOR.

HARBOR-REPRESENTATION Height Dimension

The maximum vertical height from the sea floor to the highest point of the HARBOR.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

HARBOR-REPRESENTATION Periodic Restriction Code **New**

The code indicating the type of periodic restriction associated with the HARBOR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRC0	Unknown
PRC1	Perennially Open, Not Subject to Ice
PRC16	Closed
PRC2	Subject to Ice
PRC3	Permanent Ice
PRC999	Other

HARBOR-WATER-CONTROL-STRUCTURE **New**

An association of a HARBOR and a WATER-CONTROL-STRUCTURE.

HARDSTAND

A paved area for parking aircraft.

HARDSTAND Local Designator Text

The name of a HARDSTAND designated by a local authority.

Data Type: Character-String **Length:** 80

HARDSTAND Type Code

A code indicating the type of hardstand.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
N	Decontamination Pad
USE0	Unknown
USE103	Dispersal
USE104	Pad
USE105	Refueling
USE106	Parking
USE107	Engine Run-Up
USE108	Firing-in
USE109	Compass Rose
USE110	Maintenance
USE95	Alert
USE96	Operational

HELIPAD

A designated area, usually with a prepared surface, used for take-off and landing of helicopters.

HELIPAD Maximum Demonstrated Usage Code

The landing area strength reported by aircraft/helicopter. The maximum demonstrated usage for an aircraft/helicopter known to have used the landing surface in the last five years.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
1011	
707	
727	
737	
747	
757	
767	
A10	
A310	
A37	
SeeElementGF09ofAFIFJune1996	See Element GF09 of AFIF June 1996

HELIPAD-REPRESENTATION

A model of a HELIPAD.

HELIPAD-REPRESENTATION Elevation Dimension

The elevation of helipad measured in feet and tenths of feet from mean sea level (MSL).

Data Type: Integer **Length:** 6 **Decimal Count:** 0

Min Value: 1 **Max Value:** 999999 **Unit of Measure:** Feet

HELIPAD-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the HELIPAD-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

HELIPAD-REPRESENTATION True Azimuth Angle

The angle of the alignment of the HELIPAD center measured from true north.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Degrees

HELIPAD-REPRESENTATION Usage Code **New**

A code indicating the the primary user of the HELIPAD-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE49	Civilian/Public
USE6	Private
USE8	Military
USE999	Other

HILL

A small, isolated elevation, smaller than a mountain.

HILL Identifier

The unique identifier for a HILL.

Data Type: Character-String **Length:** 35

HILL-REPRESENTATION

A model of a HILL.

HOPPER

A top-loaded funnel-shaped structure for temporary holding of loose material which will be dispensed from its bottom.

HOPPER-REPRESENTATION

A model of a HOPPER.

HOPPER-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the HOPPER-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

HOPPER-REPRESENTATION Existence Category Code

The state or condition of the HOPPER.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS7	Destroyed

HOPPER-REPRESENTATION Highest Z Value Height Dimension

Elevation above a given datum to the highest portion of the HOPPER.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

HOPPER-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the HOPPER-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC999	Other

HOPPER-REPRESENTATION Permanency Code

A code which indicates whether a HOPPER is temporary or permanent.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

HOPPER-REPRESENTATION Structure Shape Code

Geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC76	Funnel
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

HOPPER-REPRESENTATION Surface Material Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

HULK-REPRESENTATION

A model of a HULK.

HUMMOCK-REPRESENTATION

An model of an area of higher elevation within a swamp, bog or marsh.

HUT **New**

A crudely built dwelling or shelter.

HUT-REPRESENTATION **New**

A model of a HUT.

HYDRO-POWER-PLANT

A power plant that exploits the kinetic energy of water to drive turbine generators.

HYDRO-POWER-PLANT Type Code

The code that represents the kind of HYDRO-POWER-PLANT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TID1	Non-Tidal
TID2	Tidal

HYDROGRAPHIC-AID-TO-NAVIGATION

A stationary device external to a watercraft designed to assist in determination of position of the watercraft, a safe course, or to warn of dangers or obstructions.

HYDROGRAPHIC-AID-TO-NAVIGATION Identifier

The identifier that represents a HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 35

HYDROGRAPHIC-AID-TO-NAVIGATION Remarks Text

The text the describes any additional information about a HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 250

HYDROGRAPHIC-AID-TO-NAVIGATION Type Code

The code that represents the specific kind of HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BC010	BEACON
BC020	BUOY
BC070	LIGHTSHIP

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON

A fixed, man-made object designed to serve as a HYDROGRAPHIC-AID-TO-NAVIGATION.

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON Beacon Type Code **New**

Code that indicates the type of beacon.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BET93	Lateral starboard-hand mark
BET94	Lateral port-hand mark

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON Structure Code

The code that represents the geometric form of a HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SHP1	Stake
SHP3	Tower
SHP4	Lattice
SHP5	Stake (Port)
SHP6	Stake (Starboard)
SHP999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON Structure Remarks Text

The text that describes any additional information about a HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON structure.

Data Type: Character-String **Length:** 250

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON-REPRESENTATION

A model of a HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON.

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON-REPRESENTATION Beacon Shape Code — New

Code that describes the characteristic geometric form of the beacon.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SHP0	Undefined
SHP1	Stake/Pole
SHP10	Daymark Board - Rectangle
SHP2	Withy
SHP3	Beacon Tower
SHP4	Lattice Beacon
SHP5	Pile Beacon
SHP7	Buoyant Beacon
SHP8	Daymark Board - Square
SHP9	Daymark Board - Triangle

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON-REPRESENTATION Highest Z-Value Dimension — New

The elevation above a given datum to the highest portion of the HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON-REPRESENTATION Range Significance Code — New

Code that iIndicates relative location of a beacon or light in a range.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RGS1	Front
RGS2	Middle
RGS3	Rear
RGS4	Shared

HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON-REPRESENTATION Structure Height Dimension

The height measured from the ground level to the top of the HYDROGRAPHIC-AID-TO-NAVIGATION-BEACON structure.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Meters

HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY

A floating object of defined shape and color which is anchored at a given position that serves as a HYDROGRAPHIC-AID-TO-NAVIGATION.

HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY Shape Code

The code that represents the geometric form of a HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC1	Barrel, Ton
SSC10	Pillar/Spindle
SSC16	Spar
SSC17	Spherical (Hemispherical)
SSC6	Conical/Peaked/NUN
SSC7	Cylindrical (Upright)/CAN
SSC73	Superbuoy
SSC999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY Type Code

The code that represents the type of HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BTC0	Unknown
BTC10	Ocean Data Acquisition System (ODAS)
BTC100	Waverider
BTC101	Wavemeter
BTC35	Articulated Lights
BTC4	Large Navigational Buoy (LANBY)
BTC6	Light Float
BTC7	Mooring
BTC99	Installation
BTC999	Other
BUT0	Unknown
BUT1	Cardinal
BUT10	Ocean Data Acquisition System (ODAS)
BUT100	Waverider
BUT101	Wave Meter
BUT17	Tanker
BUT2	Float
BUT3	Isolated Danger
BUT35	Articulated Lights
BUT4	Large Navigational Buoy (LANBY)
BUT5	Lateral
BUT6	Light Float
BUT84	APEX (ARC) Buoy
BUT95	Cardinal West Mark
BUT96	Cardinal South Mark
BUT97	Cardinal East Mark
BUT98	Cardinal North Mark
BUT99	Installation
BUT998	Not Applicable
BUT999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY-REPRESENTATION **New**

A model of a HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY.

HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY-REPRESENTATION Direction of Flow Angle **New**

Bearing of movement or direction of the flow.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 1 **Max Value:** 359 **Unit of Measure:** Degree

HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY-REPRESENTATION Installation Buoy Classification Code **New**

Code that tabulates the various types of installation buoys.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
IBC0	Undefined
IBC1	Catenary Anchor Leg Mooring (CALM)
IBC2	Single Buoy Mooring (SBM)
IBC998	Not Applicable

HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the HYDROGRAPHIC-AID-TO-NAVIGATION-BUOY-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC1	Barrel, Ton
SSC10	Pillar/Spindle
SSC16	Spar
SSC17	Spherical (Hemispherical)
SSC6	Conical/Peaked/NUN
SSC7	Cylindrical (Upright)/CAN
SSC73	Superbuoy
SSC999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT

A means of communication to assist in the identification of a specific HYDROGRAPHIC-AID-TO-NAVIGATION.

HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT Identifier

The identifier that represents a HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT.

Data Type: Character-String **Length:** 35

HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT Remarks Text

The text that describes any additional information about a HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT.

Data Type: Character-String **Length:** 250

HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT Type Code

The code that represents a HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION
2	AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION
3	ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION

HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT-REPRESENTATION

A model of a HYDROGRAPHIC-AID-TO-NAVIGATION-COMPONENT.

HYDROGRAPHIC-AID-TO-NAVIGATION-FOR-MARITIME-SEGMENT

A HYDROGRAPHIC-AID-TO-NAVIGATION that is used in a particular MARITIME-SEGMENT.

HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP New

A distinctively marked manned vessel anchored or moored at a defined point to serve as an aid to navigation.

HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION New

A model of a HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP.

HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION Available Facilities Code New

Code indicating what facilities are available at or in the near vicinity.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AFA0	Unknown
AFA19	Helipad
AFA995	None
AFA999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION Height Dimension New

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION Highest Z-Value Dimension New

The elevation above a given datum to the highest portion of the HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION Source Category Code **New**

The code indicating the source from which the HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC1	Survey Source
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the HYDROGRAPHIC-AID-TO-NAVIGATION-LIGHTSHIP-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC64	Metal

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION

A model of a HYDROGRAPHIC-AID-TO-NAVIGATION.

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Color Category Code **New**

Code that indicates the color of the sea floor, light, buoy, structure, or other feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CCC0	Unknown
CCC1	Black
CCC12	Red
CCC14	Violet
CCC15	White
CCC19	Yellow
CCC2	Blue
CCC20	Red & White (RW)
CCC21	Red & Green (RG)
CCC22	Red & Black (RB)
CCC23	Red-Green-Red (RGR)
CCC24	Green & White (GW)
CCC25	Green & Red (GR)
CCC26	Green & Black (GB)
CCC27	Green-Red-Green (GRG)
CCC28	Green-Yellow-Black (GYB)
CCC29	Yellow & Black (YB)
CCC3	Brown
CCC30	Yellow-Black-Yellow (YBY)
CCC31	Yellow & Red (YR)
CCC32	Yellow & Green (YG)
CCC33	Yellow-Red-White (YRW)
CCC34	Black & Yellow (BY)
CCC35	Black-Yellow-Black (BYB)
CCC36	Black-Red-Black (BRB)
CCC37	Black & White (BW)
CCC38	Black & Red (BR)
CCC39	Black & Green (BG)
CCC4	Gray
CCC40	White & Red (WR)
CCC41	White & Orange (Wor)
CCC42	White & Green (WG)
CCC43	White & Black (WB)
CCC44	White & Yellow (WY)
CCC45	White-Red-Green (WRG)
CCC46	White-Green-White (WGW)
CCC47	Magenta
CCC48	Amber
CCC49	Buff
CCC5	Green

CCC50	Nautical Purple
CCC51	Pink
CCC9	Orange
CCC999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Color Code Remarks Text **New**

Textual description of unique aspects of buoy or beacon coloring.

Data Type: Character-String **Length:** 256

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Color Pattern Category Code **New**

The color breakdown of pattern of buoys, beacons, lights, other aids to navigation, and other features of interest to a mariner.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PAT0	Unknown
PAT1	Checkered
PAT2	Diagonal Bands
PAT3	Single Color
PAT4	Horizontal Bands
PAT6	Vertical Stripes
PAT98	Squared
PAT99	Horizontal bands from top to bottom
PAT999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS11	Temporary
EXS42	Continuous Operation
EXS43	Intermittant Operation
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION IALA Aid Category Code **New**

Code that indicates the conformity of a HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION to the IALA system of navigational aids.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
IAC0	Unknown
IAC1	Non-IALA Aid
IAC3	IALA Aid - Region A
IAC4	IALA Aid - Region B

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Morse Code Text **New**

The text that describes characters transmitted in Morse Code by a HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION.

Data Type: Character-String **Length:** 50

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Primary Broadcast Frequency Rate **New**

Broadcast frequency of a communications device.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Hz

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Primary Navigation System Category Code **New**

Code indicating the primary type of equipment or system used in electronic navigation.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
NST0	Unknown
NST1	Circular Radio Beacon
NST10	Radar Responder Beacon (RACON)
NST17	Non-Directional Radio Beacon (NDB)
NST4	Radio Direction Finding
NST41	Rotating Loop Radio Beacon
NST45	Radar Station
NST5	Directional Radio Beacon
NST51	Radiobeacon, Type Unknown
NST52	None
NST53	QTG Station (R)
NST54	Ramark (Ramark)
NST998	Not Applicable

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Primary Operating Range Category Dimension **New**

The primary range of the HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION beyond which the capture of the signal is not completely assured.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** n.m.

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Radar Reflector Code **New**

Code that indicates whether or not a radar reflector is attached to, or connected with, a HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
REF1	Radar Reflector Present
REF2	Radar Reflector Absent

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Secondary Broadcast Frequency Rate **New**

Broadcast frequency of a communications device.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Hz

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Secondary Navigation System Category Code **New**

Code indicating the secondary type of equipment or system used in electronic navigation.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
NS20	Unknown
NS21	Circular Radio Beacon
NS210	Radar Responder Beacon (RACON)
NS217	Non-Directional Radio Beacon (NDB)
NS24	Radio Direction Finding
NS241	Rotating Loop Radio Beacon
NS245	Radar Station
NS25	Directional Radio Beacon
NS251	Radiobeacon, Type Unknown
NS252	None
NS253	QTG Station (R)
NS254	Ramark (Ramark)

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Secondary Operating Range Category Dimension **New**

The secondary range of the HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION beyond which the capture of the signal is not completely assured.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	n.m.

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Sound Signal Type Code **New**

Code indicating the type of audible signal.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SST0	Unknown
SST1	Bell
SST14	Whistle
SST15	Reed
SST16	None
SST2	Diaphone
SST3	Explosive Fog Signal
SST4	Gong
SST6	Horn
SST7	Nautophone
SST9	Siren
SST999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Top Mark Characteristic Code **New**

Code indicating the characteristic shape secured at the top of a buoy or beacon to aid identification.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TMC0	Unknown
TMC1	East Mark (2 cones - base together)
TMC10	Nun
TMC12	Ball
TMC13	Can
TMC14	St. Andrew's Cross
TMC15	Ball Over Cone
TMC16	Cone Over Ball
TMC17	Broom Point Up
TMC18	Perch
TMC19	Diamond
TMC2	Isolated Danger (2 balls)
TMC20	Broom Point Down
TMC21	Cone (Point Upwards)
TMC22	Cone (Point Downwards)
TMC23	Upright Cross
TMC24	Optical Reflector
TMC25	Can (Open)
TMC26	Can (Filled)
TMC27	Ball (Open)
TMC28	Ball (Filled)
TMC29	Can Over Ball (Open)
TMC3	North Mark (2 cones - pointing up)
TMC30	Cross Over Ball (Filled)
TMC31	Diamond Over Ball (Filled)
TMC32	Double Cone, Points Apart (Open)
TMC33	None
TMC34	VALUE INTENTIONALLY LEFT BLANK (Square)
TMC35	"T" Shape
TMC36	Cross Over Ball (Open)
TMC37	Double Ball (Open)
TMC4	Port Hand (can or cylinder)
TMC5	Safe Water (1 ball)
TMC6	Special (X)
TMC7	Starboard Hand (1 cone - pointing up)
TMC8	South Mark (2 cones - pointing down)
TMC9	West Mark (2 cones - points together)
TMC999	Other

HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION Usage Code **New**

A code indicating the the primary user of the HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE4	National
USE6	Private
USE8	Military

HYDROGRAPHIC-FEATURE-REPRESENTATION

A model of a HYDROGRAPHIC-FEATURE-REPRESENTATION.

HYDROGRAPHIC-FEATURE-REPRESENTATION Type Code

The code that represents the type of hydrographic feature being represented.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	DYNAMIC-WATER-PROPERTY-REPRESENTATION
02	DISCOLORED-WATER-REPRESENTATION

HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM

A HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM that changes color.

HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM-COLOR

The color displayed by a HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM.

HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM-COLOR Code

The code that represents the color of the HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CCC12	Red
CCC14	Violet
CCC15	White
CCC19	Yellow
CCC2	Blue
CCC48	Amber
CCC5	Green

HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM-COLOR Illumination Seconds Quantity

The quantity of seconds during which a HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM is illuminated.

Data Type: Integer **Length:** 6 **Decimal Count:** 0

Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Seconds

HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM-COLOR Sequence Identifier

The identifier that represents the sequential order of the HYDROGRAPHIC-NAVIGATION-ALTERNATING-COLOR-BEAM-COLOR.

Data Type: Character-String **Length:** 3

HYDROGRAPHIC-NAVIGATION-LIGHT

A HYDROGRAPHIC-AID-TO-NAVIGATION transmitting information in the visual spectrum detectable by the human eye.

HYDROGRAPHIC-NAVIGATION-LIGHT Directional Indicator Code

The code that represents whether or not a HYDROGRAPHIC-NAVIGATION-LIGHT is directional.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Yes
2	No

HYDROGRAPHIC-NAVIGATION-LIGHT Type Code

The code that represents the specific kind of HYDROGRAPHIC-NAVIGATION-LIGHT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LAF1	One Object (Other than a Directional Light)
LAF2	Directional Light
LAF3	Two or more lights
LAF4	Two or more beacons
LAF5	Two or More Objects (Other Than Two Lights or Beacons)
LAF7	Directional Radiobeacon
LAF8	Moiré Effect Light
LAF9	Leading Radio Transponder Beacon

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM

A visual emission from a HYDROGRAPHIC-NAVIGATION-LIGHT.

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM Identifier

The identifier that represents a specific HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM.

Data Type: Character-String **Length:** 35

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC

THE NATURE OR PROPERTY OF A HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM.

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC Alternating Color Beam Code

The code that represents whether a HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC is alternating colors or is a single color.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
CHA0	Unknown
CHA1	Alternating
CHA21	Lighted
CHA23	Unlighted
CHA5	Fixed

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC Identifier

The identifier that represents a specific HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC.

Data Type: Character-String **Length:** 5

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC Light Characteristic Category Code **New**

Code indicating the sequence, grouping, and distinctive character of a light.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
CHA0	Unknown
CHA21	Lighted
CHA23	Unlighted

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC Pulsating Light Beam Code

The code that represents whether a HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-CHARACTERISTIC is pulsating or fixed.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
F	Fixed
P	Pulsating

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-REPRESENTATION

A model of a HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM.

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-REPRESENTATION Character of Light Text **New**

Any identifier composed of the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position [e.g. Q(6)+L F1, VQ G, L F1 (3+2)WR].

Data Type: Character-String **Length:** 80

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-REPRESENTATION Initial Bearing Angle

The bearing angle that defines the beginning of a HYDROGRAPHIC-NAVIGATION-LIGHT- BEAM measured clockwise from true north.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2

Min Value: 0 **Max Value:** 359.99 **Unit of Measure:** Degrees

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-REPRESENTATION Light Sector Angle **New**

Angular limits of light visibility. Limits of sectors and arcs of visibility are arranged clockwise and shall be given from seaward toward the light.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	359	**Unit of Measure:**	degree

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-REPRESENTATION Nominal Range Dimension

The luminous range of a light in a homogenous atmosphere in which the meteorological visibility is 10 sea miles.

Data Type:	Integer	**Length:**	2	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99	**Unit of Measure:**	Nautical-Miles

HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM-REPRESENTATION Terminal Bearing Angle

The bearing angle that defines the end of a HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM measured clockwise from true north.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	2
Min Value:	0	**Max Value:**	359.99	**Unit of Measure:**	Degrees

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION

A model of a HYDROGRAPHIC-NAVIGATION-LIGHT.

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Beacon Type Code **New**

Code indicating the type of beacon.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BET35	Articulated Lights
BET999	Other

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Elevation Dimension

The elevation of the light measured from the datum to the focal plane of the light.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	999	**Unit of Measure:**	Meters

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Floodlit Illumination Code **New**

Code that indicates the presence of floodlighting to illuminate the structure of a light.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
FLT1	Floodlit
FLT2	Not Floodlit

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Fog Detector Code **New**

Code that indicates whether or not a fog detector light is attached to, or connected with the HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
FDT1	Fog Detector Light Present
FDT2	Fog Detector Light Absent

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Guyed Code **New**

Code indicating the presence of support wires.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Hydrographic Light Type Code **New**

Code that indicates the type of light used for marine navigation.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HLT0	Unknown
HLT1	Sectored Light
HLT3	Moire' Effect Light
HLT4	Strip Light
HLT6	Lighted Beacon
HLT7	Directional Light
HLT999	Other

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Light Elevation Dimension **New**

The elevation of a light.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** meter

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Light Period Dimension **New**

The time occupied by an entire cycle of intervals of light and eclipse.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** second

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC72	Part Metal
MCC999	Other

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Multiple Light Range Text **New**

A set of two numbers for light ranges of visibility (at a light) expressed in nautical miles- the numbers are separated by a slash (/) if only two visibilities exist, or by a dash (-) separating the greatest and least visibilities if three or more exist.

Data Type: Character-String **Length:** 256

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

HYDROGRAPHIC-NAVIGATION-LIGHT-REPRESENTATION Range Significance Code **New**

Code that indicates the relative location of a beacon or light in a range.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RGS1	Front
RGS2	Middle
RGS3	Rear
RGS4	Shared

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM

A HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM transmitting information via distinctive characteristics of light and dark.

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM Morse Code Indicator Code

The code that represents whether or not a HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM emits a Morse code signal.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Yes
2	No

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM Period Description Text

The text describing the pattern and duration of a HYDROGRAPHIC-NAVIGATION- PULSATING-LIGHT-BEAM.

Data Type: Character-String **Length:** 250

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM Period Seconds Quantity

The quantity of seconds between the commencement of two identical, successive cycles of a HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM signal.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Seconds

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-FLASH

The light and dark characteristics of the HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM.

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-FLASH Duration Code

The code that represents the duration of the HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-FLASH.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CHA1	Alternating
CHA11	Interrupted Quick Flashing
CHA12	Interrupted Ultra Quick Flashing
CHA13	Interrupted Very Quick Flashing
CHA14	Isophase
CHA15	Long Flashing
CHA16	Morse Code
CHA17	Occulting
CHA44	Quick Flashing
CHA45	Very Quick Flashing
CHA5	Fixed
CHA57	Directional
CHA58	Ultra Quick Flashing
CHA8	Flashing

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-FLASH Flash Quantity

The quantity of flashes of a HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM in a period.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Flash

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-FLASH Sequence Identifier

The identifier that represents the sequential order of the HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-FLASH.

Data Type: Character-String **Length:** 35

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-MORSE-CODE

A sequence of flashes that represent an alpha-numeric character emitted by a HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM.

HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-MORSE-CODE Text

The text represented by the HYDROGRAPHIC-NAVIGATION-PULSATING-LIGHT-BEAM-MORSE-CODE.

Data Type: Character-String **Length:** 3

HYDROGRAPHIC-NAVIGATION-RADAR-REFLECTOR

A device specifically arranged to have the property of reflecting incident electromagnetic energy parallel to the direction of incidence in order to enhance the radar response.

HYDROGRAPHIC-NAVIGATION-SINGLE-COLOR-BEAM

A HYDROGRAPHIC-NAVIGATION-LIGHT-BEAM that displays only one color.

HYDROGRAPHIC-NAVIGATION-SINGLE-COLOR-BEAM Color Code

The code that represents the color of the HYDROGRAPHIC-NAVIGATION-LIGHT-SINGLE-COLOR-BEAM.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CCC12	Red
CCC14	Violet
CCC15	White
CCC19	Yellow
CCC2	Blue
CCC48	Amber
CCC5	Green

ICE-CLIFF

The vertical face of a GLACIER or ICE-SHELF.

ICE-CLIFF Identifier

The identifier that represents an ICE-CLIFF.

Data Type: Character-String **Length:** 35

ICE-CLIFF-REPRESENTATION

A model of an ICE-CLIFF.

ICE-CLIFF-REPRESENTATION Conspicuous Category Code

Indicates whether or not an ICE-CLIFF is conspicuously visible from afar.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

ICE-CLIFF-REPRESENTATION Highest Z Value Dimension

Elevation above a given datum to the highest portion of the ICE-CLIFF.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meters

ICE-CLIFF-REPRESENTATION Length Dimension

The linear distance of a ICE-CLIFF-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

ICE-CLIFF-REPRESENTATION Predominant Height Dimension

The average vertical height of the ICE-CLIFF-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

ICE-PEAK

A rocky peak projecting above a surrounding ice field that is permanently covered with ice.

ICE-PEAK Identifier

The identifier that represents an ICE-PEAK.

Data Type:	Character-String	**Length:**	35

ICE-PEAK-REPRESENTATION

A model of an ICE-PEAK.

ICE-SHEET

New

A continuous mass of ice and snow of considerable thiickness and large area.

ICE-SHELF

A sheet of thick ice, with level or undulating surface, attached to the land but mostly afloat showing 3-60 meters above sea level which is bounded on the seaward side by an ICE-CLIFF.

ICE-SHELF-REPRESENTATION

A model of an ICE-SHELF.

ICE-SHELF-REPRESENTATION Area

The absolute area within the delineation of an ICE-SHELF-REPRESENTATION.

Data Type:	Integer	**Length:**	10	**Decimal Count:**	0
Min Value:	1	**Max Value:**	9999999999	**Unit of Measure:**	Square Meters

ICE-SHELF-REPRESENTATION Length Dimension

The linear distance of a ICE-SHELF-REPRESENTATION.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Meters

ICE-SHELF-REPRESENTATION Width Dimension

A linear distance measured perpendicular to the length of the ICE-SHELF-REPRESENTATION.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Meters

IMAGE-ABERRATION-CORRECTION-DATA

Data required for the correction of aberrations in images.

IMAGE-ABERRATION-CORRECTION-DATA Type Code

The code that represents the type of aberration correction.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	RADIAL-LENS-DISTORTION-CORRECTION
2	DECENTERING-LENS-CORRECTION
3	FILM-POSITION-CORRECTION
4	IMAGE-GRID-CORRECTION

IMAGE-ATMOSPHERIC-CHARACTERISTIC

The characteristics of the atmosphere at the time of IMAGE capture.

IMAGE-ATMOSPHERIC-CHARACTERISTIC Cloud Cover Status Code

The code that indicates the status of cloud coverage.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Known
2	Unknown

IMAGE-ATMOSPHERIC-CHARACTERISTIC Environmental Condition Code

The code that indicates the conditions which affect the quality of the IMAGE.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
BL	Blurred Image
HD	Heavy Smoke or Dust
NT	Night
OL	Degrading Obliquity
RN	Rain
SD	Semidarkness
SH	Shadow
SN	Snow
TR	Terrain Masking

IMAGE-BAND

A continuous range of frequencies represented in an IMAGE-DATASET.

IMAGE-BAND Angular Sample Distance Angle

The pixel center to center distance.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	999.9	**Unit of Measure:**	Microradians

IMAGE-BAND Dark Calibration Receive Power Rate

The calibrated receive power level for this IMAGE-BAND that corresponds to a pixel value of 0.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	1
Min Value:	0.0001	**Max Value:**	9999.9	**Unit of Measure:**	Microwatts

IMAGE-BAND Ground Sample Distance Dimension

The average distance between adjacent pixels in relation to the target for this IMAGE-BAND.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	2
Min Value:	0.01	**Max Value:**	99.99	**Unit of Measure:**	Meters

IMAGE-BAND Increment Calibration Power Rate

The mean change in power level for this IMAGE-BAND that corresponds to an increase of 1 in pixel value.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	2
Min Value:	0.01	**Max Value:**	99.99	**Unit of Measure:**	Microwatts

IMAGE-BAND Maximum Wavelength Dimension

A measurement of the upper bound of an IMAGE-BAND.

Data Type:	Fixed-Point	**Length:**	9	**Decimal Count:**	6
Min Value:	1e-006	**Max Value:**	99.999999	**Unit of Measure:**	Microns

IMAGE-BAND Minimum Wavelength Dimension

A measurement of the lower bound of an IMAGE-BAND.

Data Type:	Fixed-Point	**Length:**	9	**Decimal Count:**	6
Min Value:	1e-006	**Max Value:**	99.999999	**Unit of Measure:**	Microns

IMAGE-BAND Peak Response Wavelength Dimension

The wavelength that represents the peak response within this IMAGE-BAND.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	2
Min Value:	0.01	**Max Value:**	19.99	**Unit of Measure:**	Microns

IMAGE-BAND Sequence Identifier

The identifier that represents the IMAGE-BAND.

Data Type:	Character-String	**Length:**	50

IMAGE-BAND Spatial Response Angle

Nominal pixel size.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	999.9	**Unit of Measure:**	Microradians

IMAGE-BAND-RASTER-OBJECT-REPRESENTATION-MEASUREMENT

The association of an IMAGE-BAND with the pixel RASTER-OBJECT-REPRESENTATION-MEASUREMENT.

IMAGE-CLOUD-COVERAGE

An area of a DATASET obscured by clouds.

IMAGE-CLOUD-COVERAGE Percentage Rate

The area of an IMAGE obscured by clouds, expressed as a percentage of the spatial extent.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	2
Min Value:	0	**Max Value:**	99.99	**Unit of Measure:**	Percent

IMAGE-COLLECTION-SUPPORT-DATA

Data acquired during collection of an image.

IMAGE-COLLECTION-SUPPORT-DATA Type Code

The code that represents the type of sensor data collected.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Panoramic
2	Whisk Broom
3	Frame
4	Push Broom
5	Synthetic Aperture Radar

IMAGE-COLLECTION-SUPPORT-DATA-FRAME

Data acquired during the collection of an image by a frame sensor.

IMAGE-COLLECTION-SUPPORT-DATA-FRAME Horizontal Ground Speed Rate

Ground speed of the image sensor.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Meters per second

IMAGE-COLLECTION-SUPPORT-DATA-FRAME Kappa Angle

Rotation of the SENSOR around the z axis, alternately described as yaw.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	16
Min Value:	0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-FRAME Omega Angle

Rotation of the SENSOR around the x axis, alternately described as roll.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	16
Min Value:	0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-FRAME Phi Angle

Rotation of the SENSOR around the y axis, alternately described as pitch.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	16
Min Value:	0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC

Data acquired during the collection of an image by a panoramic sensor.

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC Angular Scan Rate

The panoramic rate of scan for this image.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	>0	**Max Value:**	10**999	**Unit of Measure:**	Radians per second

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC Classical IMC Code

The code that indicates whether classical image motion compensation (IMC) should be applied to this image.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
0	don't apply classical IMC
1	apply classical IMC

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC Cross Track Field of View Angle

The field of view perpendicular to the direction of flight.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	16
Min Value:	>0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC Scan Direction Code

The code that indicates the direction of scan relative to sensor velocity vector.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
0	left-to-right scan direction
1	right to left scan direction

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC Skew Angle

The angle of skew at image center.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	16
Min Value:	-6.2831853072	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC Skew Angle Acceleration Rate

Skew angle acceleration at image center.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Inverse radians

IMAGE-COLLECTION-SUPPORT-DATA-PANORAMIC Skew Angle Rate

The skew angle rate at image center.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Dimensionless

IMAGE-COLLECTION-SUPPORT-DATA-PUSHBROOM

Data acquired during the collection of an image by a push broom sensor.

IMAGE-COLLECTION-SUPPORT-DATA-PUSHBROOM Cross Track Field of View Angle

The nominal field of view as measured perpendicular to the direction of flight.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	16
Min Value:	>0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-PUSHBROOM Row Collection Rate

The rate of collection of image rows.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	>0	**Max Value:**	10**999	**Unit of Measure:**	Pixels per second

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR

Data acquired during the collection of an image by a radar sensor.

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Nominal Wavelength Dimension

Nominal wavelength of the synthetic aperture radar emitter.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	>0	**Max Value:**	10**999	**Unit of Measure:**	Millimeters

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R0 Coefficient Quantity

*The r0 polynomial coefficient constant of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R1 Coefficient Quantity

*The r1 polynomial coefficient of image pixel row of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R2 Coefficient Quantity

*The r2 polynomial coefficient of image pixel column of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R3 Coefficient Quantity

*The r3 polynomial coefficient of image pixel row times column of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R4 Coefficient Quantity

*The r4 polynomial coefficient of image pixel row squared of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R5 Coefficient Quantity

*The r7 polynomial coefficient of image pixel column squared times row of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R6 Coefficient Quantity

*The r6 polynomial coefficient constant of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R7 Coefficient Quantity

*The r7 polynomial coefficient constant of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R8 Coefficient Quantity

*The r8 polynomial coefficient of image pixel row cubed of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range R9 Coefficient Quantity

*The r9 polynomial coefficient of image pixel column cubed of the formula- range =r0+r1+r2*column+r3*row*column + r4*row*row+r5*column*column+r6*row*row*column+ r7*row*column*column+r8*row*row*row +r9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Scan Mode Code

The code that indicates the mode in which the image was scanned.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
0	spotlight-mode image
1	scan-mode image

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Scan Side Code

The code that indicates which side of the platform, relative to the direction of flight, that the scan was made on.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
0	imaged area is to port
1	imaged area is to starboard

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S0 Coefficient Quantity

*The s0 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S1 Coefficient Quantity

*The s1 polynomial coefficient of pixel row of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S2 Coefficient Quantity

*The s2 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S3 Coefficient Quantity

*The s3 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S4 Coefficient Quantity

*The s4 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S5 Coefficient Quantity

*The s5 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S6 Coefficient Quantity

*The s6 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S7 Coefficient Quantity

*The s7 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S8 Coefficient Quantity

*The s8 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle S9 Coefficient Quantity

*The s9 polynomial coefficient constant of the formula- squint angle =s0+s1+s2*column+s3*row*column + s4*row*row+s5*column*column+s6*row*row*column+sr7*row*column*column+s8*row*row*row +s9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T0 Coefficient Quantity

*The t0 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T1 Coefficient Quantity

*The t1 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T2 Coefficient Quantity

*The t2 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T3 Coefficient Quantity

*The t3 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T4 Coefficient Quantity

*The t4 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T5 Coefficient Quantity

*The t5 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel**2

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T6 Coefficient Quantity

*The t6 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T7 Coefficient Quantity

*The t7 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T8 Coefficient Quantity

*The t8 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Temporal T9 Coefficient Quantity

*The t9 polynomial coefficient constant of the formula- time = t0+t1+t2*column+t3*row*column + t4*row*row+t5*column*column+t6*row*row*column+ t7*row*column*column+t8*row*row*row +t9*column*column*column.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Seconds/pixel**3

IMAGE-COLLECTION-SUPPORT-DATA-WHISKBROOM

Data acquired during the collection of an image by a whiskbroom sensor.

IMAGE-COLLECTION-SUPPORT-DATA-WHISKBROOM Scan Angle

The code that indicates the field of view for this image.

Data Type:	Floating-Point	**Length:**	13	**Decimal Count:**	16
Min Value:	>0	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-COLLECTION-SUPPORT-DATA-WHISKBROOM Scan Direction Code

The code that indicates the direction of scan.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
0	first scan is left-to-right
1	first scan is right-to-left

IMAGE-COLLECTION-SUPPORT-DATA-WHISKBROOM Scan Line Length Dimension

The length of the detector array for this image.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	>0	**Max Value:**	10**999	**Unit of Measure:**	Millimeters

IMAGE-COLLECTION-SUPPORT-DATA-WHISKBROOM Scan Mode Code

The code that indicates the mode of scan.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
0	unidirectional scans
1	alternate-direction scands

IMAGE-DATASET

A set of visually coherent remotely sensed data.

IMAGE-DATASET Actual Bits Per Pixel Quantity

The maximum number of significant bits for the value in each band of each pixel without compression.

Data Type:	Integer	**Length:**	2	**Decimal Count:**	0
Min Value:	1	**Max Value:**	16	**Unit of Measure:**	Bits

IMAGE-DATASET Category Type Code

The code that indicates the category of IMAGE-DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
I	Image Unit
S	Stereo Pair
V	Video Unit

IMAGE-DATASET Compression Generation Quantity

Counts the number of loss compression cycles performed on the image.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** Each

IMAGE-DATASET Copy Generation Quantity

Specifies the number of IMAGE generations of the PRODUCT. The number (0) is reserved for the original PRODUCT.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9 **Unit of Measure:** Each

IMAGE-DATASET Exploitation Support Data Code

The code that indicates whether or not exploitation support data (ESD) is available.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Exploitation Data Exists
2	Exploitation Data does not exist

IMAGE-DATASET Processing Level Code

The code that identifies the type of radiometric and geometric processing applied against the IMAGE.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
0	Systems corrections only and raw metadata extractio from telemetry stream. Applied to all imaging events of a given sensor uniformly independent of where the data were collected.
1	Metadata refined and additions made. Radiometric and geometric calibrations may be undertaken using extrenal information.
1A	Geographic formatting using the SENSOR system's geographic knowledge. The IMAGE pixels values are not adjusted, but based on internal system information, metadata values may change or new metadata is added.
1G	Photogrammetric geopositioning of SENSOR data using the external geo-referenced information.
1N	Non-mapping PRODUCT that may be used for many different purposes. In most cases, not used for cartographic or GIS-Mapping purposes.
1R	Radiometric adjustment using the SENSOR system's radiometric calibration data measurements.
2F	Feature compilation and/or thematic classification from Level 1G data.
2G	Geometric transformation of SENSOR data based on the results of photogrammetric geopositioning. This level includes rectification and orthorectification.
2R	Radiometric modification of Level 1 data using external information.
2T	Terrain compilation from Level 1G data.
3F	Feature extraction and/or thematic classification from Level 2 data products.
3T	Terrain extraction from the Level 2T data products. Examples would include the generation of a regular grid of elevation posts interpolated from irregular Level 2T network of elevation posts, and the generation of surface polynomials, tessellated patches,
4F	Feature symbolization- generation of MAP symbols, feature color assignment, etc., from Level 2 compiled and Level 3 extracted features.
4T	Terrain symbolization-generation of symbolized terrain displays, such as shaded relief displays, wire frame models, tagged and/or colorized contours.

IMAGE-DATASET Representation Form Code

The code that identifies the general kind of IMAGE represented by the data. Used in conjunction with the ICAT field.

Data Type: Character-String **Length:** 8

Domain Valid Value	Domain Value Definition
1D	Monoband matrix/grid data
2D	Two dimensional data in support of locations grids
MONO	Monochrome
MULTI	Multiband Imagery
ND	Multiband matrix/grid data
RGB	Red, Green, Blue True Color
RGB/LUT	Mapped Color
YCbCr601	Special Usage

IMAGE-DATASET Source Text

The text describing that describes source material for an IMAGE-DATASET.

Data Type: Character-String **Length:** 255

IMAGE-DATASET Type Code

The code which identifies the category type of IMAGE (often revealing the nature of the collector or intended use).

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BP	Black/White Frame Photography
CAT	CAT Scan
CP	Color Frame Photography
DTEM	Elevation Models
EO	Electro-Optical
FL	Forward Looking Infrared
FP	Fingerprints
HR	High Resolution Radar
HS	Hyperspectral
IR	Infrared
LEG	Legend
LOCG	Location Grid
MAP	Raster Map
MATR	Other types of matrix data
MRI	Magnetic Resonance Imagery
MS	Multispectral
OP	Optical
PAR	Color Patch
RD	Radar
SAR	Synthetic Aperature Radar
SARIQ	SAR Radio Hologram
SL	Side-Looking Radar
TI	Thermal Infrared
VD	Video
VIS	Visible Imagery
XRAY	X-Rays

IMAGE-DATASET-IMAGE-SUPPORT-DATA

The association of an IMAGE-DATASET and the IMAGE-SUPPORT-DATA necessary to interpret that IMAGE-DATASET.

IMAGE-DATASET-IMAGE-SUPPORT-DATA Description Text

The text that describes the use of the IMAGE-SUPPORT-DATASET in interpreting this IMAGE-DATASET.

Data Type: Character-String **Length:** 255

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA

Geometric adjustments applied to an image in process.

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA Cross-track Position Acceleration Correction Rate

The correction to the cross-track coordinate of sensor position acceleration.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters per sec**2

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA Cross-track Position Correction Dimension

The correction to the cross-track coordinate of sensor position.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA Cross-track Position Velocity Correction Rate

The correction to the cross-track coordinate of sensor position velocity.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/second

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA In-track Position Correction Dimension

The correction to the in-track coordinate of sensor position.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA Radial Position Acceleration Correction Rate

The correction to the radial coordinate of sensor position acceleration.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters per sec**2

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA Radial Position Correction Dimension

The correction to the radial coordinate of sensor position.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA Radial Position Velocity Correction Rate

The correction to the cross-track coordinate of radial position velocity.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/second

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA Type Code

The code that indicates the type of IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Optical
2	Synthetic Aperture Radar

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-ADJUSTABLE-ELEMENT

A row/column member of a adjustable element covariance matrix.

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-ADJUSTABLE-ELEMENT Name

The name of an image geometry adjustment.

Data Type: Character-String **Length:** 50

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-COVARIANCE-MATRIX-CELL

An individual cell of an error matrix that shows estimated error of one adjustment with respect to another adjustment.

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-COVARIANCE-MATRIX-CELL Error Quantity

The quantity of error of one image geometry adjustment with respect to another image geometry adjustment.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Each

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL

Geometric adjustments particular to optical acquired sensor images.

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Column Film Column Correction Rate

Correction to the column position multiplier coefficient of polynomial for correcting column image position.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Pixel spacings

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Column Film Correction Quantity

Correction to the constant coefficient of polynomial for correcting column image position.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Pixel Spacings

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Column Film Row Correction Rate

Correction to the row position multiplier coefficient of polynomial for correcting column image position.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Pixels/millimeter

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Focal Length Correction Dimension

Correction to the distance between the perspective point to the image surface.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL In-track Position Acceleration Correction Rate

The correction to the in-track coordinate of sensor position acceleration.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters/second

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL In-track Position Velocity Correction Rate

The correction to the in-track coordinate of sensor position velocity.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Kappa Angle Acceleration Correction Rate

The correction to the kappa angle of sensor attitude acceleration.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/second**2

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Kappa Angle Correction Quantity

The correction to the kappa angle of sensor attitude around the radial direction (down) axis.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	16
Min Value:	-6.2831853072	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Kappa Angle Correction Rate

The correction to the kappa angle rate of sensor attitude.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	0
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/second

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Omega Angle Acceleration Correction Rate

The correction to the omega angle of sensor attitude acceleration.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/second**2

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Omega Angle Correction Quantity

The correction to the omega angle of sensor attitude around the cross-track direction axis.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	16
Min Value:	-6.2831853072	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Omega Angle Correction Rate

The correction to the omega angle rate of sensor attitude.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/second

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Phi Angle Acceleration Correction Rate

The correction to the phi angle of sensor attitude acceleration.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/second**2

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Phi Angle Correction Quantity

The correction of the phi angle of sensor attitude around the in-track direction axis.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	16
Min Value:	-6.2831853072	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Phi Angle Correction Rate

The correction to the phi angle rate of sensor attitude.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Radians/second

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Row Film Column Correction Rate

Correction to the column position multiplier coefficient of polynomial for correcting row image position.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels/millimeter

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Row Film Correction Quantity

Correction to the constant coefficient of polynomial for correcting row image position.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Row Film Row Correction Rate

Correction to the constant coefficient of polynomial for correcting row image position.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels/millimeter

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-OPTICAL Type Code

The code that indicates the type of optical image geometry adjustment.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Panoramic
2	Frame
3	Whisk Broom
4	Push Broom

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-PANORAMIC

Geometric adjustments applicable to panoramic sensor images.

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-PANORAMIC Skew Angle Acceleration Correction Rate

The correction to the skew angle acceleration at image center.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Inverse radians

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-PANORAMIC Skew Angle Correction Quantity

The correction to the skew angle at image center.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	16
Min Value:	-6.2831853072	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-PANORAMIC Skew Angle Correction Rate

The correction to the skew angle rate at image center.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Dimensionless

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR

Geometric adjustments particular to synthetic aperture radar.

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Range Bias Correction Quantity

The correction to synthetic aperture radar range.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle Acceleration Correction Rate

The correction to squint angle acceleration rate at image center.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Inverse radians

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle Correction Quantity

The correction to squint angle at image center.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	16
Min Value:	-6.2831853072	**Max Value:**	6.2831853072	**Unit of Measure:**	Radians

IMAGE-GEOMETRY-ADJUSTMENT-SUPPORT-DATA-SYNTHETIC-APERTURE-RADAR Squint Angle Correction Rate

The correction to squint angle rate at image center.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Dimensionless

IMAGE-GRID-CORRECTION

Corrections applied based on comparison of a grid of calibrated points with measured points on the image.

IMAGE-GRID-CORRECTION Calibrated Point Covariance Column Column Correction Quantity

An error matrix cell that reflects the displacement of column with respect to column for a grid cell.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Calibrated Point Covariance Row Column Correction Quantity

An error matrix cell that reflects the displacement of row with respect to column for a grid cell.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Calibrated Point Covariance Row Row Correction Quantity

An error matrix cell that reflects the displacement of row with respect to row for a grid cell.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Column Grid Point Quantity

Number of grid points in the column direction.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	2.00E+16	**Unit of Measure:**	Grid points

IMAGE-GRID-CORRECTION Column Spacing Dimension

IMAGE-GRID-CORRECTION Column Spacing Dimension.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	2.00E+16	**Unit of Measure:**	Pixels spacings

IMAGE-GRID-CORRECTION Covariance Column Column Correction Quantity

An error matrix cell that reflects the displacement of column with respect to column as an average over the entire image.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixels spacings**2

IMAGE-GRID-CORRECTION Covariance Row Column Correction Quantity

An error matrix cell that reflects the displacement of row or column with respect to row and column as an average over the entire image.

Data Type:	Floating-Point	**Length:**	2	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Covariance Row Row Correction Quantity

An error matrix cell that reflects the displacement of row with respect to row as an average over the entire image.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Measured Point Covariance Column Column Correction Quantity

An error matrix cell that reflects the displacement of column with respect to column for a measured grid point.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Measured Point Covariance Row Column Correction Quantity

An error matrix cell that reflects the displacement of row with respect to column for a measured grid point.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Measured Point Covariance Row Row Correction Quantity

An error matrix cell that reflects the displacement of row with respect to row for a measured grid point.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings**2

IMAGE-GRID-CORRECTION Row Grid Point Quantity

Number of grid points in the row direction.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	2.00E+16	**Unit of Measure:**	Grid points

IMAGE-GRID-CORRECTION Row Spacing Dimension

Image spacing between correction grid points in the row direction.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	2.00E+16	**Unit of Measure:**	Pixel spacings

IMAGE-GRID-CORRECTION-CELL

A subdivision of an image based on a rectangular grid of points.

IMAGE-GRID-CORRECTION-CELL Calibrated Point Column Quantity

Calibrated column position of a grid point in uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings

IMAGE-GRID-CORRECTION-CELL Calibrated Point Row Quantity

Calibrated row position of grid point in uncorrected image coordinates.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	16
Min Value:	0	**Max Value:**	2**999	**Unit of Measure:**	Pixel spacings

IMAGE-GRID-CORRECTION-CELL Column Polynomial Coefficient C1 Quantity

*The C1 correction coefficient for the formula- Column correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel Spacings

IMAGE-GRID-CORRECTION-CELL Column Polynomial Coefficient C2 Quantity

*The C2 correction coefficient for the formula- Column correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Unitless

IMAGE-GRID-CORRECTION-CELL Column Polynomial Coefficient C3 Quantity

*The C3 correction coefficient for the formula- Column correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Unitless

IMAGE-GRID-CORRECTION-CELL Column Polynomial Coefficient C4 Quantity

*The C4 correction coefficient for the formula- Column correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Inverse pixels

IMAGE-GRID-CORRECTION-CELL Column Quantity

Column position of this cell within the IMAGE-GRID-CORRECTION matrix.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	2.00E+16	**Unit of Measure:**	grid columns

IMAGE-GRID-CORRECTION-CELL Measured Point Column Quantity

The column position of a measured grid point.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings

IMAGE-GRID-CORRECTION-CELL Measured Point Row Quantity

The row position of a measured grid point.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings

IMAGE-GRID-CORRECTION-CELL Row Polynomial Coefficient C1 Quantity

*The C1 correction coefficient for the formula- Row correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel spacings

IMAGE-GRID-CORRECTION-CELL Row Polynomial Coefficient C2 Quantity

*The C2 correction coefficient for the formula- Row correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Unitless

IMAGE-GRID-CORRECTION-CELL Row Polynomial Coefficient C3 Quantity

*The C3 correction coefficient for the formula- Row correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Unitless

IMAGE-GRID-CORRECTION-CELL Row Polynomial Coefficient C4 Quantity

*The C4 correction coefficient for the formula- Row correction = C1 +C2*row offset + C3*column offset + C4*row offset*column offset.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Inverse pixels

IMAGE-GRID-CORRECTION-CELL Row Quantity

Row position of this cell within the IMAGE-GRID-CORRECTION matrix.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	2.00E+16	**Unit of Measure:**	Grid rows

IMAGE-POSITION-POLYNOMIAL-COEFFICIENT

A rational polynomial coefficient used to correlate image space with an actual ground position.

IMAGE-POSITION-POLYNOMIAL-COEFFICIENT I Quantity

The value of the ith power of row for this polynomial coefficient.

Data Type:	Integer	**Length:**	1	**Decimal Count:**	0
Min Value:	0	**Max Value:**	5	**Unit of Measure:**	Dimensionless

IMAGE-POSITION-POLYNOMIAL-COEFFICIENT J Quantity

The value of the jth power of column for this polynomial coefficient.

Data Type:	Integer	**Length:**	1	**Decimal Count:**	0
Min Value:	0	**Max Value:**	5	**Unit of Measure:**	Dimensionless

IMAGE-POSITION-POLYNOMIAL-COEFFICIENT K Quantity

The value of the kth power of elevation for this polynomial coefficient.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 0 **Max Value:** 5 **Unit of Measure:** Dimensionless

IMAGE-POSITION-POLYNOMIAL-COEFFICIENT Quantity

Coefficient for adjustment of ellipsoidal coordinates (latitude and longitude) based on image space.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Degrees

IMAGE-POSITION-POLYNOMIAL-COEFFICIENT Type Code

The code that indicates the type of IMAGE-POSITION-POLYNOMIAL-COEFFICIENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Numerator for Latitude
2	Denominator for Latitude
3	Numerator for Longitude
4	Denominator for Longitude.

IMAGE-QUALITY-ASSESSMENT

Statements about the quality of an IMAGE.

IMAGE-QUALITY-ASSESSMENT Mean Ground Sampling Distance Dimension

The geometric mean of the across and along scan center-to-center distance between contiguous ground samples.

Data Type: Integer **Length:** 7 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99999.9 **Unit of Measure:** Inches

IMAGE-QUALITY-ASSESSMENT National Image Interpretability Rating Scale Quality Text

The text that specifies the image quality based on the National Imagery Interpretability Rating Scale (NIIRS).

Data Type: Character-String **Length:** 50

IMAGE-QUALITY-ASSESSMENT Subjective Detail Code

The code that indicates a subjective rating of the IMAGE detail.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	Excellent
F	Fair
G	Good
P	Poor

IMAGE-QUALITY-ASSESSMENT Subjective Quality Code

The code that indicates a subjective rating of the quality of a hand held or airborne IMAGE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	Excellent
F	Fair
G	Good
P	Poor

IMAGE-SECTION

A subdivision of an image based on the results of analysis of linear coefficients.

IMAGE-SECTION Coefficient Type Code

The code that indicates the types of row/column numerator/denominator coefficients provided for this IMAGE-SECTION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Numerators only
2	Numerators for row, Numerators and Denominators for column
3	Numerators for column, Numerators and Denominators for row
4	Numerators and Denominators for row and column

IMAGE-SECTION Column Fitting Error Linear With Correction Dimension

The error in fitting a column position to the rigorous image geometry model with correction tables.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0.01 **Max Value:** 99.99 **Unit of Measure:** Meters

IMAGE-SECTION Column Fitting Error Linear Without Correction Dimension

The error in fitting a column position to the rigorous image geometry model without correction tables.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0.01 **Max Value:** 99.99 **Unit of Measure:** Meters

IMAGE-SECTION Normalized Column Offset Quantity

Offset for normalizing image column coordinates.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999999999 **Unit of Measure:** Pixel Spacings

IMAGE-SECTION Normalized Column Scale Rate

Scale factor for normalizing column coordinates.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999999999 **Unit of Measure:** Pixel spacings

IMAGE-SECTION Normalized Height Offset Quantity

The offset for normalizing ground height above the ellipsoid offset for height values between -610 to 10668 Meters.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	7
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-SECTION Normalized Height Scale Rate

Scale factor for normalizing ground elevation coordinates.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	7
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-SECTION Normalized Latitude Offset Quantity

Offset for normalizing ground latitude coordinate.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	7
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-SECTION Normalized Latitude Scale Rate

Scale factor for normalizing ground latitude coordinates.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	7
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-SECTION Normalized Longitude Offset Quantity

The offset for normalizing ground longitude offset for longitudes <= 180 degrees.

Data Type:	Integer	**Length:**	14	**Decimal Count:**	7
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-SECTION Normalized Longitude Scale Rate

Scale factor for normalizing ground longitude.

Data Type:	Floating-Point	**Length:**	14	**Decimal Count:**	7
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Meters

IMAGE-SECTION Normalized Row Offset Quantity

Offset for normalizing image column coordinates.

Data Type:	Integer	**Length:**	10	**Decimal Count:**	0
Min Value:	1	**Max Value:**	9999999999	**Unit of Measure:**	Pixel spacings

IMAGE-SECTION Normalized Row Scale Rate

Scale factor for normalizing an image row coordinate.

Data Type:	Integer	**Length:**	10	**Decimal Count:**	0
Min Value:	1	**Max Value:**	9999999999	**Unit of Measure:**	Pixel spacings

IMAGE-SECTION Row Fitting Error Linear With Correction Dimension

The error in fitting a row position to the rigorous image geometry model with correction tables.

Data Type:	Floating-Point	**Length:**	5	**Decimal Count:**	2
Min Value:	0.01	**Max Value:**	99.99	**Unit of Measure:**	Meters

IMAGE-SECTION Row Fitting Error Linear Without Correction Dimension

The error in fitting a row position to the rigorous image geometry model without correction tables.

Data Type:	Floating-Point	**Length:**	5	**Decimal Count:**	2
Min Value:	0.01	**Max Value:**	99.99	**Unit of Measure:**	Meters

IMAGE-SECTION Section Column Identifier

The column identifier of this IMAGE-SECTION within an IMAGE-UNIT.

Data Type:	Integer	**Length:**	1	**Decimal Count:**	0
Min Value:	0	**Max Value:**	8	**Unit of Measure:**	None

IMAGE-SECTION Section Row Identifier

The row identifier of this IMAGE-SECTION within an IMAGE-UNIT.

Data Type:	Integer	**Length:**	1	**Decimal Count:**	0
Min Value:	0	**Max Value:**	8	**Unit of Measure:**	None

IMAGE-SUN-CHARACTERISTIC

The position of the sun, relative to the centerpoint of the image, at the time of capture.

IMAGE-SUN-CHARACTERISTIC Sun Azimuth Angle

The sun azimuth measured clockwise from true north at the time the IMAGE is taken.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	2
Min Value:	0	**Max Value:**	359.99	**Unit of Measure:**	Degrees

IMAGE-SUN-CHARACTERISTIC Sun Elevation Angle

The sun elevation measured from the target plane at the intersection of the optical line of sight with the earth's surface.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	-90	**Max Value:**	90	**Unit of Measure:**	Degrees

IMAGE-SUPPORT-DATA

A DATASET of information concerning the capture, processing and exploitation of an image.

IMAGE-UNIT

A single frame of visually coherent remotely sensed data.

IMAGE-UNIT Cartographic Projection Reference System Code

The two-dimensional map projection used by commercial vendors to geocorrect and orthorectify this image.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AC	Albers Conical Equal Area
AK	Azimuthal Equal Area
AL	Azimuthal Equal Distant
GN	Gnomic
LE	Lambert Conformal Conic
LJ	Lambert Equal Area
MC	Mercator
OC	Oblique Mercator
OD	Orthographic
PG	Polar Stereographic
PH	Polyconic
RB	Hotline Oblique Mercator
RC	Relative Coordinates
SD	Olique Stereographic
TC	Transverse Mercator

IMAGE-UNIT Daylight Indicator Code

The code that indicates whether the IMAGE-UNIT was illuminated by daylight.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Daylight Illuminated
N	Not Daylight Illuminated

IMAGE-UNIT Focal Length Dimension

The focal length of the lens used to capture the IMAGE-UNIT.

Data Type: Fixed-Point **Length:** 1 **Decimal Count:** 0
Min Value: Classified **Max Value:** Classified **Unit of Measure:** Millimeters

IMAGE-UNIT Obliquity Angle

The angle of the camera axis between the horizontal plane of the Earth and a vertical to that plane.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: -90 **Max Value:** 90 **Unit of Measure:** Degrees

IMAGE-UNIT Rapid Positioning Code Data Indicator Code

The code that indicates whether or not Rapid Positioning Capability (RPC) data is available and contained within the product data.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	RPC available
2	RPC is not available

IMAGE-UNIT Standard Radiometric Product Indicator Code

The code that indicates whether or not Standard Radiometric Product (SPR) data is available in the library.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	SRP is available
2	SRP is not available

IMAGE-UNIT Tone Gradation Quantity

The number of colors or grayscales present in the IMAGE-UNIT.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 0 **Max Value:** 16777216 **Unit of Measure:** Bits

IMAGE-UNIT Triangulation Indicator Code

The code that indicates whether triangulation information is available for this IMAGE-UNIT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Triangulation Information Available
2	Triangulation Information Unavailable

IMAGE-UNIT True North Orientation Angle

The angle measured from the first row of the IMAGE-UNIT to true North.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

IMAGE-UNIT-CORNER-POINT

A corner point of an image.

IMAGE-UNIT-CORNER-POINT Type Code

The code that represents a particular IMAGE-UNIT-CORNER-POINT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	First Row, First Column
2	First Row, Last Column
3	Last Row, First Column
4	Last Row, Last Column

IMAGERY-AREA-TARGET

An IMAGERY-TARGET defined as an area.

IMAGERY-AREA-TARGET Identifier

The identifier that represents an IMAGERY-AREA-TARGET.

Data Type: Character-String **Length:** 6

IMAGERY-AREA-TARGET Type Code

The code that distinguishes the particular type of area target.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
BAS	Broad Area Search
DSA	Directed Search Area
LOC	Line of Communication
MCG	Mapping, Charting & Geodesy Rectangle

IMAGERY-AREA-TARGET-BROAD-AREA-SEARCH

An IMAGERY-AREA-TARGET defined by World Area Chart Cells, Air Target Charts, World Target Mosaic Cells and rectangles.

IMAGERY-AREA-TARGET-BROAD-AREA-SEARCH Type Code

The code that represents the type of IMAGERY-AREA-TARGET-BROAD-AREA-SEARCH.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	Special
C	Standing Cluster
S	Standing

IMAGERY-AREA-TARGET-BROAD-AREA-SEARCH-GRID-CELL

An association of an IMAGERY-AREA-TARGET-BROAD-AREA-SEARCH with a GRID-CELL.

IMAGERY-AREA-TARGET-DIRECTED-SEARCH-AREA

An IMAGERY-AREA-TARGET defined by a polygon with at least 3 vertices.

IMAGERY-AREA-TARGET-LINE-OF-COMMUNICATION

An IMAGERY-AREA-TARGET defined by segmented strips with a fixed width.

IMAGERY-AREA-TARGET-MAPPING-CHARTING-AND-GEODESY-RECTANGLE

An IMAGERY-AREA-TARGET defined by its northwest and southeast vertices.

IMAGERY-POINT-TARGET

An IMAGERY-TARGET with a singularly defined center point.

IMAGERY-POINT-TARGET Basic Encyclopedia Identifier

The alternate identifier of IMAGERY-POINT-TARGET that is made up of the Basic Encyclopedia Number (BE) plus suffix.

Data Type: Character-String **Length:** 15

IMAGERY-POINT-TARGET Geographic Region Code

The code that identifies the general area of the world where a point target is located.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
Classified	

IMAGERY-POINT-TARGET Type Code

The code that distinguishes the type of IMAGERY-POINT-TARGET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
F	IMAGERY-TARGET-FACILITY
I	IMAGERY-TARGET-INSTALLATION

IMAGERY-POINT-TARGET-CATEGORY

The classification of a target by its product/activity.

IMAGERY-POINT-TARGET-CATEGORY Identifier

The identifier of the classification of a target element by its product or the type of activity in which it can engage.

Data Type: Character-String **Length:** 5

IMAGERY-TARGET

A target against which an imagery action may be taken.

IMAGERY-TARGET Identifier

The identifier of a particular IMAGERY-TARGET.

Data Type: Character-String **Length:** 15

IMAGERY-TARGET Name **New**

The name of an IMAGERY-TARGET.

Data Type: Character-String **Length:** 50

IMAGERY-TARGET Type Code

The code that indicates the type of IMAGERY-TARGET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	IMAGERY-AREA-TARGET
P	IMAGERY-POINT-TARGET

IMAGERY-TARGET-DATASET-COMPONENT

An association of an IMAGERY-TARGET and a DATASET.

IMAGERY-TARGET-DATASET-COMPONENT Inclusion Reason Code

The code that indicates whether an IMAGERY-TARGET is the primary or a secondary target.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Primary Target
2	Secondary Target

IMAGERY-TARGET-DATASET-COMPONENT Percent of Coverage Rate

The percent of the target that is covered by the IMAGE.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

IMAGERY-TARGET-DATASET-COMPONENT Reference Image Indicator Code

The code that indicates whether an image is a reference image.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Is a reference image
2	Is not a reference image

IMAGERY-TARGET-FACILITY

A type of IMAGERY-POINT-TARGET relating to a FACILITY target.

IMAGERY-TARGET-GEOSPATIAL-FEATURE-REPRESENTATION

The association of an IMAGERY-TARGET and a GEOSPATIAL-FEATURE that is at that target location.

IMAGERY-TARGET-INSTALLATION

A type of IMAGERY-POINT-TARGET relating to an installation.

IMPROVED-ROAD

A prepared ROAD.

IMPROVED-ROAD Intended Design Type Code

The code that represents the specific kind of IMPROVED-ROAD named for its primary use.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
5	ROADBED
BB220	MARITIME-RAMP
TUC17	PEDESTRIAN-WALKWAY
TUC22	AUTOMOTIVE-ROAD
TUC3	RAILROAD-TRACK

IMPROVED-ROAD Restrictions Text

The text describing the constraints on an IMPROVED-ROAD.

Data Type: Character-String **Length:** 250

IMPROVED-ROAD-LANDMARK-POST

A marker which designates the distance from a given point, or a location on an IMPROVED-ROAD.

IMPROVED-ROAD-MARITIME-RAMP

An association between an IMPROVED-ROAD and a MARITIME-RAMP.

INDUSTRIAL-FEATURE

A generalization of multiple features that have similar function and attribution.

INDUSTRIAL-FEATURE Type Code

The code that represents the type of INDUSTRIAL-FEATURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AB020	BURNER
AC000	PROCESSING-PLANT
AC010	BLAST-FURNACE
AC020	CATALYTIC-CONVERTER
AE010	ASSEMBLY-PLANT
AF060	ENGINE-TEST-CELL
AF070	FLARE-PIPE

INDUSTRIAL-FEATURE-REPRESENTATION

A model of an INDUSTRIAL-FEATURE.

INDUSTRIAL-FEATURE-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 deg) clockwise to the major axis of the ENGINE-TEST-CELL.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

INDUSTRIAL-FEATURE-REPRESENTATION Type Code

The code that represents the type of INDUSTRIAL-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AB020	BURNER-REPRESENTATION
AC000	PROCESSING-PLANT-REPRESENTATION
AC010	BLAST-FURNACE-REPRESENTATION
AC020	CATALYTIC-CONVERTER-REPRESENTATION
AE010	ASSEMBLY-PLANT-REPRESENTATION
AF060	ENGINE-TEST-CELL-REPRESENTATION
AF070	FLARE-PIPE-REPRESENTATION

INLAND-FERRY-SITE

A point along an inland water where a ferry takes on or discharges its load.

INLAND-WATER

Water inland of a COASTAL-SHORELINE or upstream of a STREAM mouth which flows into coastal waters.

INLAND-WATER Identifier

The identifier that represents INLAND-WATER.

Data Type: Character-String **Length:** 35

INLAND-WATER Required Port Access Type Code

The code that represents whether INLAND-WATER is needed for access to a required port.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
NR	INLAND WATER NOT REQUIRED FOR ACCESS
R	INLAND WATER REQUIRED FOR ACCESS
RPA1	Access Required
RPA2	Access Not Required

INLAND-WATER Type Code

The code that represents the type of INLAND-WATER.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	FLOWING-INLAND-WATER
2	STANDING-INLAND-WATER

INLAND-WATER Watercraft Type Code

The code that represents the use of watercraft on INLAND-WATER.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
IWW0	Unknown
IWW1	Navigable
IWW2	Non-Navigable

INLAND-WATER-BOTTOM-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT

A section of INLAND-WATER delimited by the constant value of the predominant material(s) of the bottom.

INLAND-WATER-BOTTOM-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT Code

The code that represents the bottom material composition of a INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BMC0	Unknown
BMC1	Clay and Silt
BMC14	Sand
BMC16	Gravel
BMC2	Silty Sands
BMC3	Sand and Gravel
BMC4	Gravel and Cobble
BMC5	Rocks and Boulders
BMC6	Bedrock
BMC7	Paved
BMC8	Peat

INLAND-WATER-CONTROL-GATE New

A structure that may be swung, drawn, or lowered to block an entrance or passageway of an inland water feature.

INLAND-WATER-CONTROL-GATE Gate Classification Code **New**

Tabulation of various types of nautical gates.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GNC2	Tidal Gate (Flood Barrage)
GNC3	Caisson
GNC4	Lock Gate

INLAND-WATER-CONTROL-GATE Identifier **New**

The unique identifier for a NAUTICAL-GATE.

Data Type: Character-String **Length:** 35

INLAND-WATER-CONTROL-GATE-REPRESENTATION New

A model of a structure that may be swung, drawn, or lowered to block an entrance or passageway of an inland water feature.

INLAND-WATER-CONTROL-GATE-REPRESENTATION Height Above Surface Level Dimension **New**

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the NAUTICAL-GATE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

INLAND-WATER-CONTROL-GATE-REPRESENTATION Material Composition Category Code **New**

Characteristics of primary material composition of the NAUTICAL-GATE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC117	Wood
MCC64	Metal
MCC72	Part Metal

INLAND-WATER-CONTROL-GATE-REPRESENTATION Top Width Dimension **New**

The width at the top of a NAUTICAL-GATE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

INLAND-WATER-CONTROL-GATE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

INLAND-WATER-CONTROL-STRUCTURE

A structure that directs and controls INLAND-WATER.

INLAND-WATER-CONTROL-STRUCTURE Type Code

The code that represents the type of INLAND-WATER-CONTROL-STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
15	DAM-GATE
AQ065	CULVERT
BH110	PENSTOCK
BH165	SPILLWAY
BI020	DAM
BI021	DIKE
BI022	LEVEE
BI030	LOCK
BI041	INLAND-WATER-CONTROL-GATE
BI050	WATER-INTAKE-TOWER
FC035	POND-PARTITION

INLAND-WATER-CONTROL-STRUCTURE-REPRESENTATION

A model of an INLAND-WATER-CONTROL-STRUCTURE.

INLAND-WATER-CONTROL-STRUCTURE-REPRESENTATION Elevation Dimension

The elevation of an INLAND-WATER-CONTROL-STRUCTURE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: -500 **Max Value:** 9999.9 **Unit of Measure:** Meters

INLAND-WATER-CONTROL-STRUCTURE-REPRESENTATION Type Code **New**

Code that indicates the type of INLAND-WATER-CONTROL-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Dam Gate Representation

INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT

A section of INLAND-WATER delimited by the constant value of the average depth.

INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT Dimension

The predominate depth of an INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99999.9 **Unit of Measure:** Meters

INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT Range Code **New**

Code that indicates the predominant water depth within delineation of INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT, determined in meters at the greatest depth along a cross section of the feature (First Range).

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
DW10	Unknown
DW11	<=0.8
DW12	>0.8 and <=1.6
DW13	>1.6 and <=2.4
DW14	>2.4

INLAND-WATER-HYDROGRAPHIC-CATEGORY-REPRESENTATION-SEGMENT

A section of a INLAND-WATER delimited by the constant value of annual water content.

INLAND-WATER-HYDROGRAPHIC-CATEGORY-REPRESENTATION-SEGMENT Code

The code that represents the hydrographic category of an INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AHC3	Ephemeral
HYC0	Unknown
HYC10	Permanent (Water Present Year around)
HYC3	Dry (Except during flash floods)
HYC6	Non-Perennial/Intermittent/Fluctuating
HYC8	Perennial/Permanent
HYC9	Perennial (Water Present >= 6 Months per Year)

INLAND-WATER-REPRESENTATION

A model of INLAND-WATER.

INLAND-WATER-REPRESENTATION Hydrographic Depth Dimension

The depth of INLAND-WATER-REPRESENTATION from a specified vertical datum to the lowest level known to be clear of obstacles to navigation.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	1
Min Value:	0	**Max Value:**	12000	**Unit of Measure:**	Meters

INLAND-WATER-REPRESENTATION Operational Status Code

The code that represents the operational status of INLAND-WATER.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS32	Navigable
EXS5	Under Construction
EXS6	Abandoned
EXS999	Other

INLAND-WATER-REPRESENTATION-SEGMENT

A section of INLAND-WATER delimited by the constant value of a specific characteristic.

INLAND-WATER-REPRESENTATION-SEGMENT Length Dimension

The length of an INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	1	**Max Value:**	9999999	**Unit of Measure:**	Meters

INLAND-WATER-REPRESENTATION-SEGMENT Type Code

The code that represents the type of an INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	INLAND-WATER-DEPTH-REPRESENTATION-SEGMENT
2	INLAND-WATER-BOTTOM-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT
3	INLAND-WATER-HYDROGRAPHIC-CATEGORY-REPRESENTATION-SEGMENT
4	INLAND-WATER-SEASONAL-ICE-REPRESENTATION-SEGMENT

INLAND-WATER-SEASONAL-ICE-REPRESENTATION-SEGMENT

A section of a INLAND-WATER delimited by the constant value of the seasonal ice conditions.

INLAND-WATER-SEASONAL-ICE-REPRESENTATION-SEGMENT Code

The code that represents the seasonal ice condition on an INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PRC0	Unknown
PRC1	Perennially Open, Not Subject to Ice
PRC2	Subject to Ice
PRC3	Permanent Ice

INLAND-WATER-WATER-PROPERTIES-POTABILITY-REPRESENTATION-SEGMENT

A section INLAND-WATER delimited by the constant value of whether it is consumable by humans.

INLAND-WATER-WATER-PROPERTIES-POTABILITY-REPRESENTATION-SEGMENT Code

The code that represents the potability of a INLAND-WATER-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SCC12	Non-Potable
SCC9	Potable

INLAND-WATER-WATER-PROPERTIES-REPRESENTATION-SEGMENT

A section of INLAND-WATER delimited by the constant value of water content.

INLAND-WATER-WATER-PROPERTIES-REPRESENTATION-SEGMENT Type Code

The code that represents the type of INLAND-WATER-WATER-PROPERTIES-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	INLAND-WATER-WATER-PROPERTIES-POTABILITY-REPRESENTATION-SEGMENT

INLAND-WATER-WATER-PROPERTIES-REPRESENTATION-SEGMENT Water Quality Code **New**

A code that describes the drinking quality of water.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YWQ0	Unknown
YWQ1	Potable
YWQ2	Treatable
YWQ3	Contaminated

INSTRUMENT-APPROACH-PROCEDURE

A preplanned instrument flight rule (IFR) air traffic control approach procedure. IAP's provide transition from the enroute structure to the appropriate airport or heliport.

INSTRUMENT-APPROACH-PROCEDURE-SEGMENT

A specific segment of an INSTRUMENT-APPROACH-PROCEDURE.

INSTRUMENT-APPROACH-PROCEDURE-SEGMENT Type Code

The code which defines the type of INSTRUMENT-APPROACH-PROCEDURE-SEGMENT which the record is an element.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	APPROACH TRANSITION
B	ILS BACK COURSE
C	ILS CAT II
D	VORDME/VORTAC (BASED ON VORDME OR VORTAC)
E	VOR CIRCLING APPROACH
F	NDB CIRCLING APPROACH
G	RNAV (GPS) NON-PRECISION
H	ILS CAT III
I	ILS
J	ILS LOCALIZER ONLY CIRCLING APPROACH
K	ILS BACK COURSE CIRCLING APPROACH
L	ILS LOCALIZER ONLY (NO GS)
M	MLS
N	NBD
O	RNAV (GPS) OVERLAY APPROACH
P	PAR
Q	NDB/DME
R	RNAV
S	VOR (BASED ON VORDME OR VORTAC)
T	TACAN
U	MLS CAT II

INSTRUMENT-LANDING-SYSTEM

A collection of electronic and visual aids providing a precision landing capability.

INSTRUMENT-LANDING-SYSTEM Category Code

The code indicating the category of INSTRUMENT-LANDING-SYSTEM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	LDA Facility, no glidescope
F	SDF Facility, no glidescope
I	IGS Facility
L	LDA Facility with glidescope
M	ILS or MLS Facility
S	SDF Facility with glidescope

INSTRUMENT-LANDING-SYSTEM System Category Code

A code indicating the type systems other than ILS that provide approach guidance.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Instrument Landing System Category I
2	Instrument Landing System Category II
3	Instrument Landing System Category III
O	Localizer Only Localizer Only

INSTRUMENT-LANDING-SYSTEM Threshold Crossing Height Dimension

The height above the landing threshold on a normal glide path.

Data Type: Integer **Length:** 2 **Decimal Count:** 0

Min Value: 0 **Max Value:** 99 **Unit of Measure:** Feet

INSTRUMENT-LANDING-SYSTEM-COMPONENT

One specific electronic or visual aid of the collection that comprise an INSTRUMENT-LANDING-SYSTEM.

INSTRUMENT-LANDING-SYSTEM-COMPONENT Bearing Angle Type Code

The code indicating the type of reference from which the INSTRUMENT-LANDING-SYSTEM-COMPONENT angle is measured.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	True
2	Grid
3	Magnetic

INSTRUMENT-LANDING-SYSTEM-COMPONENT Broadcast Frequency Channel Identifier

THE CHANNEL ASSIGNED TO THE SPECIFIC NAVAID BY THE CONTROLLING AUTHORITY.

Data Type: Character-String **Length:** 4

INSTRUMENT-LANDING-SYSTEM-COMPONENT Identifier

The identifier that denotes an INSTRUMENT-LANDING-SYSTEM-COMPONENT.

Data Type: Character-String **Length:** 35

INSTRUMENT-LANDING-SYSTEM-COMPONENT Localizer Placement Code

The code that indicates the position of the localizer antenna or glide slope facilities in relation to the runway.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	Beyond stop end
O	Off to one side of runway
P	Prior to approach end

INSTRUMENT-LANDING-SYSTEM-COMPONENT TACAN Distance Measuring Equipment Mode Code

The code indicating the mode setting when tuning the TACAN system to the INSTRUMENT-LANDING-SYSTEM-COMPONENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
X	X-Band
Y	Y-Band

INSTRUMENT-LANDING-SYSTEM-COMPONENT Type Code

The code indicating the ground equipment that provides an approach path for exact alignment and descent on final approach to a runway.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	Back Course Marker
D	DME
G	Glide Slope
I	Inner Marker
L	Locator
M	Middle Marker
O	Outer Marker
Z	Localizer

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REFERENCE-OBJECT

A type of REFERENCE-OBJECT.

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION

A model of an INSTRUMENT-LANDING-SYSTEM-COMPONENT.

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION Antenna Base Elevation Dimension

The elevation of the antenna base associated with an INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION measured from mean sea level.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -1299 **Max Value:** 29028 **Unit of Measure:** Feet

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION Bearing Angle

The angular variation between magnetic North and an INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION for a given course.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION Broadcast Frequency Rate

The channel assigned to the specific navaid by the controlling authority.

Data Type: Character-String **Length:** 3

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION Glide Slope Angle

The angle above the ground that the glide slope is positioned.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	10	**Unit of Measure:**	Degrees

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION Localizer Distance Dimension

The distance from the localizer antennae or GS facilities to the end of the runway.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	Feet

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION Localizer Width Dimension

The width of the localizer bearing/course of the INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	2
Min Value:	0	**Max Value:**	99.99	**Unit of Measure:**	Degrees

INSTRUMENT-LANDING-SYSTEM-COMPONENT-REPRESENTATION Runway End Distance Dimension

The marker position from the approach end of the runway.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	thou of naut miles

INTERCHANGE

A connection designed to provide traffic access from one road to another.

INTERCHANGE Design Type Code

The design of the INTERCHANGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RIT0	Unknown
RIT1	Cloverleaf
RIT10	Wye
RIT2	Diamond
RIT3	Fork
RIT4	Rotary/Traffic Circle/Roundabout
RIT5	Staggered Ramps
RIT6	Standard Ramps
RIT7	Symmetrical Ramps
RIT8	Trumpet
RIT9	Turban
RIT999	Other

INTERCHANGE Identifier

A unique identifier for an INTERCHANGE.

Data Type: Character-String **Length:** 35

INTERCHANGE Route Intended Use Code

Intended use of the INTERCHANGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RTT0	Unknown
RTT14	Primary Route
RTT15	Secondary Route
RTT16	Limited Access Route (e.g. Motorway/Autobahn/Interstate
RTT999	Unknown

INTERCHANGE Transportation Use Code

Depicts whether the INTERCHANGE is a ROAD or a through route.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC4	Road
TUC7	Through Route

INTERCHANGE Usage Code

Depicts the controlling authority (Primary User) of the INTERCHANGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE23	International
USE37	Interstate
USE4	National
USE5	State
USE999	Other

INTERCHANGE Weather Type Category Code

Weather conditions under which the INTERCHANGE is usable.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
WTC0	Unknown
WTC1	All Weather

INTERCHANGE-REPRESENTATION

A model of an INTERCHANGE.

INTERCHANGE-REPRESENTATION Existence Code

The state or condition of the INTERCHANGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS27	Closed/Locked
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS999	Other

INTERCHANGE-REPRESENTATION Lane Quantity

The number of marked lanes in the INTERCHANGE.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** Lanes

INTERCHANGE-REPRESENTATION Length Dimension

The length of the longest dimension of the INTECHANGE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

INTERCHANGE-REPRESENTATION Location Category Code

Status of the INTERCHANGE relative to surrounding area or water.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC4	Below Water Surface
LOC40	Underground
LOC8	On Ground Surface

INTERCHANGE-REPRESENTATION Minimum Traveled Way Width Dimension

Minimum width of the traveled way, excluding hard pavements and shoulders.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

INTERCHANGE-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the INTERCHANGE.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

INTERCHANGE-REPRESENTATION Slope Rate

The change in height divided by the horizontal distance over which the change takes place.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** Percent

INTERCHANGE-REPRESENTATION Surface Category Code **New**

The code indicating the surface condition of the INTERCHANGE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RST0	Unknown
RST1	Hard/Paved

INTERCHANGE-REPRESENTATION Surface Material Type Code

Surface material composition of the INTERCHANGE excluding internal structural material.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC21	Concrete
SMC5	Asphalt

INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION-IDENTIFIER

The code which fully identifies the INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION through the concatenation of the region and the region identifiers.

INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION-REGION

A specified geographic area of the world designated by the International Civil Aviation Organization (ICAO).

INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION-REGION Code

The code that represents an INTERNATIONAL-CIVIL-AVIATION-AUTHORITY-REGION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
See ICAO Document 7910	

INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION-SUFFIX

A code which further identifies the INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION-REGION.

INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION-SUFFIX Code

A code indicating a subdivision of the INTERNATIONAL-CIVIL-AVIATION-ORGANIZATION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
See ICAO Document 7910	

INTERNATIONAL-DATE-LINE-REPRESENTATION

A model of the International Date Line - a line generally coinciding with the 180th meridian, modified to avoid land and designated as the place where the calendar day begins.

INUNDATED-MINE-IN-GROUND

A type of LAKE that inundates a MINE-IN-GROUND.

IRREGULAR-MOVEMENT-SURFACE-REPRESENTATION

A model of an IRREGULAR-MOVEMENT-SURFACE.

IRREGULAR-MOVEMENT-SURFACE-REPRESENTATION Area

The total area of the IRREGULAR-MOVEMENT-SURFACE.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999999999 **Unit of Measure:** Square foot

IRREGULAR-MOVEMENT-SURFACE-REPRESENTATION Length Dimension

The total distance in feet measuring the length of the movement surface.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

IRREGULAR-MOVEMENT-SURFACE-REPRESENTATION Width Dimension

The total distance in feet measuring the widens or width of the movement surface.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

IRRIGATION-DITCH

An AQUEDUCT designed for the purpose of irrigation.

ISLAND

New

A land mass smaller than a continent and surrounded by water.

ISLAND Identifier

New

The identifier that represents an OCEAN-ISLAND.

Data Type: Character-String **Length:** 6

ISLAND-REPRESENTATION

New

A model of an ISLAND.

ISLAND-REPRESENTATION Area **New**

The absolute area within the delineation of the OCEAN-ISLAND.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

ISLAND-REPRESENTATION Height Above Surface Level Dimension **New**

The distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the OCEAN-ISLAND-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

ISLAND-REPRESENTATION Highest Z Dimension **New**

Elevation above a given datum to the highest portion of the OCEAN-ISLAND.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

ISLAND-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

ISLAND-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

ISLAND-REPRESENTATION Surface Material Code **New**

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC 0	Unknown
SMC 104	Soil
SMC 84	Rock/Rocky

ISLAND-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes. of the OCEAN-ISLAND.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

JETTY-REPRESENTATION New

A model of a man-made barrier built out into, or in the water, primarily to restrain or direct currents and waves.

JETTY-REPRESENTATION Construction Type Code **New**

The code that represents a specific type of construction of a JETTY.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
MCC107	Steel Plate
MCC86	Rubble Mound

JETTY-REPRESENTATION Drift Code **New**

The code that represents the direction of the current or sediment transport.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Down Drift
U	Up Drift

KELP-REPRESENTATION

A model of an area containing large seaweed.

KELP-REPRESENTATION Area **New**

The absolute area within the delineation of the KELP-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

KELP-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the KELP-REPRESENTATION. For a round KELP-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

KEYHOLE

An area connected to a RUNWAY which accommodates the turning of aircraft.

KEYHOLE-REPRESENTATION

A model of a KEYHOLE.

KEYHOLE-REPRESENTATION Diameter Dimension

The linear measurement taken from one side of the circle of the KEYHOLE, through the centerpoint to the other side.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Feet

KEYHOLE-REPRESENTATION Turning Radius Dimension

The maximum radius inside the edge of a KEYHOLE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1000 **Unit of Measure:** Feet

KEYWORD

A reference point for finding other words or information.

KEYWORD Text

Common use word or phrase used as a reference for finding other words or information.

Data Type: Character-String **Length:** 80

KEYWORD Type Code

The code indicating the method used to group similar KEYWORDs.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Discipline
2	Place
3	Stratum
4	Temporal
5	Theme

KEYWORD-ASSOCIATION

The association of one KEYWORD to another KEYWORD.

KEYWORD-SOURCE

Reference to a formally registered authoritative source of theme KEYWORDs.

KEYWORD-SOURCE Identifier

The identifier that represents the reference to a formally registered or a similar authoritative source of keywords.

Data Type: Character-String **Length:** 80

KEYWORD-SOURCE Name **New**

The name of a source for keywords.

Data Type: Character-String **Length:** 255

LAGOON

Open body of water separated from the sea by a sand bank or coral reef.

LAGOON Identifier

The identifier that represents a LAGOON.

Data Type: Character-String **Length:** 35

LAGOON-REPRESENTATION

A model of a LAGOON.

LAGOON-REPRESENTATION Area

The absolute area within the delineation of the LAGOON.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

LAGOON-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the LAGOON-REPRESENTATION. For a round LAGOON-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

LAGOON-REPRESENTATION Name

Any Identifier or code.

Data Type: Character-String **Length:** 80

LAGOON-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the LAGOON-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

LAKE

Water contained within a predominately natural shoreline that exhibits no appreciable current.

LAKE Sea State Code

The code that represents the sea characteristic conditions that can exist on a LAKE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Non-Sea State
2	Sea State

LAKE Type Code

The code that represents the type of LAKE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HFC32	Oxbow
HFC999	Other
HOC4	Man made
WFT1	Water-Hole

LAKE-CHANNEL

The association of a specific LAKE with a specific CHANNEL.

LAKE-REPRESENTATION **New**

A model of a LAKE.

LAKE-REPRESENTATION Depth Below Surface Level Dimension **New**

The distance measured from the highest point at surface level to the lowest point of the LAKE-REPRESENTATION below the surface.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** .1 Meter

LAKE-REPRESENTATION Hydrological Category Code **New**

A code identifying the annual water content of the LAKE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HYC0	Unknown
HYC3	Dry
HYC6	Non-Perennial/Intermittant/Fluctuating
HYC8	Perennial/Permanent

LAKE-REPRESENTATION Periodic Restriction Category Code **New**

The code indicating the restriction associated with the LAKE-REPRESENTATION due to climate or other limitations.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRC0	Unknown
PRC1	Perennially Open, Not Subject to Ice
PRC2	Subject to Ice
PRC3	Permanent Ice

LAKE-REPRESENTATION Surface Material Category Code **New**

The code indicating the surface material composition of the LAKE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC116	Water
SMC120	Sand and Gravel
SMC126	Sand and Mud
SMC999	Other

LAKE-REPRESENTATION Water Characteristic Code **New**

A code indicating the type of water available in the LAKE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SCC0	Unknown
SCC10	Salt
SCC11	Fresh

LAND-SUBJECT-TO-INUNDATION **New**

An area periodically covered by flood water, excluding tidal areas.

LAND-SUBJECT-TO-INUNDATION Existence Category Code **New**

A code indicating the state or condition of the LAND-SUBJECT-TO-INUNDATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS45	Natural
EXS48	Controlled

LAND-TRAFFIC-GATE New

A barrier which controls passage to a road, railroad, tunnel, or bridge.

LAND-TRAFFIC-GATE Identifier **New**

The identifier that represents a LAND-TRAFFIC-GATE.

Data Type: Character-String **Length:** 35

LAND-TRAFFIC-GATE Transportation Use Code **New**

A code indicating the primary user, function, or authority of the LAND-TRAFFIC-GATE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC17	Pedestrian
TUC3	Railroad
TUC4	Road
TUC40	Subway
TUC999	Other

LAND-TRAFFIC-GATE Type Code **New**

A code that represents the type of LAND-TRAFFIC-GATE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	DROP-GATE
2	Bridge
3	Tunnel

LAND-TRAFFIC-GATE-REPRESENTATION New

A model of a LAND-TRAFFIC-GATE.

LAND-TRAFFIC-GATE-REPRESENTATION Location Category Code **New**

A code indicating the status of the LAND-TRAFFIC-GATE-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

LAND-TRAFFIC-GATE-REPRESENTATION Total Usable Width **New**

The measurement of the shorter of two linear axes of the LAND-TRAFFIC-GATE-REPRESENTATION, including pavements and hard shoulders.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

LANDING-PLACE

A place on shore where landing from the sea is possible.

LANDING-PLACE Identifier

The identifier that represents a LANDING-PLACE.

Data Type: Character-String **Length:** 35

LANDING-PLACE-REPRESENTATION

A model of a LANDING-PLACE.

LANDING-PLACE-REPRESENTATION Certainty of Delineation Code

Indicates knowledge of the landing place's limits or information.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

LANDING-PLACE-REPRESENTATION Slope Polygon Range Code

Range indicating the slope of ground within delineated area of the landing place.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
SPR0	Unknown
SPR1	<= 3
SPR2	> 3 and <= 10
SPR3	> 10 and <= 15
SPR4	> 15 and <= 20
SPR5	> 20 and <= 30
SPR6	> 30 and <= 45
SPR7	> 45 and <= 60
SPR8	> 60 and <= 85

LANDING-PLACE-REPRESENTATION Surface Material Composition Code

Surface material composition of the LANDING-PLACE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC104	Soil
SMC114	Volcanic
SMC120	Sand and Gravel
SMC14	Cinders
SMC16	Clay
SMC18	Cobble
SMC24	Coral
SMC46	Gravel
SMC48	Ground
SMC52	Lava
SMC6	Basalt
SMC65	Mud
SMC7	Bedrock
SMC73	Pebbles
SMC8	Boulders
SMC84	Rock/Rocky
SMC88	Sand
SMC96	Shells
SMC98	Shingle
SMC99	Silt
SMC999	Other

LANDING-PLACE-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

LANDING-STAIRS

Steps at the shoreline as the connection between land and water on different levels.

LANDING-STAIRS Identifier

The identifier that represents LANDING-STAIRS.

Data Type: Character-String **Length:** 5

LANDMARK-POST

A marker which designates the distance from a given point, or a location.

LANDMARK-POST Identifier

The identifier that represents a LANDMARK-POST.

Data Type: Character-String **Length:** 35

LANDMARK-POST Transportation Use Category Code

The code that identifies the transportation mode of the system.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC3	Railroad
TUC34	Waterway
TUC4	Road
TUC999	Other

LANDMARK-POST Type Code

Indicates the particular LANDMARK-POST type- i.e., whether the LANDMARK-POST is for a ROAD or for FLOWING-INLAND-WATER.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Improved Road Landmark Post
2	Flowing Inland Water Landmark Post

LANDMARK-POST-REPRESENTATION

A model of a LANDMARK-POST.

LANDMARK-POST-REPRESENTATION Distance Dimension

The value indicating the distance from a given point, or a location.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

LANDMARK-POST-REPRESENTATION Numeric Quantity **New**

The number of units represented on the LANDMARK-POST.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** None

LANDSLIDE-REPRESENTATION

A model of a mass of earth or rock which has slipped down from a mountain or cliff.

LANGUAGE

A means of communication based on a formalized system of sounds and/or symbols.

LANGUAGE Code

The code that represents a LANGUAGE based on ISO 639-2..

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
See PCATor DDDS	

LAUNCH-PAD

A designated area or structure from which a rocket or missile is launched.

LAUNCH-PAD-REPRESENTATION

A model of a LAUNCH-PAD..

LAUNCH-PAD-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

LAUNCH-PAD-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

LAUNCH-PAD-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

LAUNCH-PAD-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

LAUNCH-PAD-REPRESENTATION Source Category Code **New**

The code indicating the source from which the LAUNCH-PAD-REPRESENTATION is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

LEADING-LIGHTS

Two or more lights forming a leading line of a course to be followed.

LEADING-LINE

A track which passes through one or more (usually two) clearly defined objects, along which a vessel can safely travel.

LEADING-LINE Character of Light Text

Any identifier composed of the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position [e.g. Q(6)+L F1, VQ G, L F1 (3+2)WR].

Data Type: Character-String **Length:** 80

LEADING-LINE Identifier

The identifier that represents a specific LEADING-LINE.

Data Type: Character-String **Length:** 35

LEADING-LINE Line Associated Features Code

The code identifying the type of features associated with a LEADING-LINE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LAF1	One Object (Other than a Directional Light)
LAF2	Directional Light
LAF3	Two or more lights
LAF4	Two or more beacons
LAF5	Two or More Objects (Other Than Two Lights or Beacons)
LAF6	Measured Distance Markers
LAF7	Directional Radiobeacon
LAF8	Moiré Effect Light
LAF9	Leading Radio Transponder Beacon

LEADING-LINE Reference Point Text

Description of the feature(s) which form a Leading Line or Clearing Line.

Data Type: Character-String **Length:** 256

LEADING-LINE-REPRESENTATION

A model of a LEADING-LINE.

LEADING-LINE-REPRESENTATION Bearing Angle

The bearing of an object from an observer (on any point along the line) towards the object or feature.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Degrees

LEDGE

A narrow, flat surface or shelf, especially one that projects, as from a wall of rock.

LEDGE Identifier

The unique identifier for a LEDGE.

Data Type: Character-String **Length:** 1

LEVEE

An INLAND-WATER-CONTROL-STRUCTURE constructed along a FLOWING-INLAND-WATER-BANK that is intended to prevent flooding.

LEVEE Type Code

The code that represents a type of LEVEE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	FLOOD-WALL

LEVEE-REPRESENTATION

A model of a LEVEE.

LEVEE-REPRESENTATION Land Side Slope Rate

The rate of incline on the land side of the LEVEE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

LEVEE-REPRESENTATION Stream Side Slope Rate

The rate of incline on the stream side of the LEVEE.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Percent

LICENSE

Official or legal permission granted to use a specified thing.

LICENSE Description Text

The text that describes the LICENSE.

Data Type: Character-String **Length:** 9999

LICENSE Identifier

The identifier that represents a LICENSE.

Data Type: Character-String **Length:** 35

LICENSE Termination Date

The date the LICENSE is terminated.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 17760101 **Max Value:** 99991231 **Unit of Measure:** None

LIGHT-STANDARD

A structure serving as a support for lighting.

LIGHT-STANDARD Identifier

The unique identifier of a LIGHT-STANDARD.

Data Type: Character-String **Length:** 25

LIGHT-STANDARD-REPRESENTATION

A model of a LIGHT-STANDARD.

LIGHT-STANDARD-REPRESENTATION Guyed Category Code

Presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

LIGHT-STANDARD-REPRESENTATION Permanency Code

Indicates whether an object is temporary or permanent. See EXS 11 and EXS 18.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

LIGHT-STANDARD-REPRESENTATION Structure Shape Category Code **New**

Geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC999	Other

LIGHT-STANDARD-REPRESENTATION Surface Material Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

LIGHT-STANDARD-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the LIGHT-STANDARD-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

LIGHT-STANDARD-REPRESENTATION Highest Z Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

LIGHT-STANDARD-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

LIGHT-STANDARD-REPRESENTATION Usage Code **New**

A code indicating the the primary user of the LIGHT-STANDARD-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE120	Recreational
USE130	Transportation
USE999	Other

LIGHTING-SYSTEM-TYPE

The illumination system at an AIRPORT.

LIGHTING-SYSTEM-TYPE Code

A code indicating the type of lighting system.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LFA0	Unknown
LFA1	Airport Terminal Lights
LFA10	Rotating Beacon
LFA100	Protable Approach
LFA101	Center Row
LFA102	Neon Ladder
LFA103	Navy Parallel Row & Crossbar
LFA104	Two Parallel Row
LFA105	Left Row (High Intensity)
LFA106	Air Force Overrun
LFA107	Calvert (British)
LFA108	Single Row Centerline
LFA109	Narrow Multicross
LFA11	Obstruction Lights
LFA110	Centerline (High intensity)
LFA111	Alternate Centerline & Bar
LFA112	Cross
LFA113	Center Row
LFA114	Singapore Centerline
LFA115	Centerline Two Crossbars
LFA116	APAP (Alignment of Elements System)
LFA117	T-VASI
LFA118	PVASI (Pulsating VASI)
LFA119	VASI System Glide Slope and/or RPI not coincident with PAR and ILS
LFA12	Threshold Light(s)
LFA120	Tri-color VASI
LFA121	VASI with Threshold Crossing Height
LFA13	Touchdown Zone Lighting
LFA14	Other Airport Lighting
LFA15	ALSF-I (Approach Lighting System with seq. flashing)
LFA16	(ALSF-II)
LFA17	(SSALF)
LFA18	SSALR
LFA19	MALSF
LFA2	Apron Flood
LFA20	MALSR
LFA21	Landing Direction Indicator (LDIN)
LFA22	RAIL (Runway Alignment Indicator Lights)
LFA23	ODALS (OMNI Directional Approach Landing System)
LFA24	Other Approach Lighting

LFA25	Precision Approach Path Indicator (PAPI)
LFA26	Strobe
LFA27	Runway Flood
LFA28	Variable Intensity Runway Lights
LFA29	Portable Runway Lights
LFA3	Boundary Lights
LFA30	Flares
LFA31	Wind Indicator Lights
LFA32	Visual Approach Slope Indicator (3 bar)
LFA33	Optical Landing System
LFA4	Runway Centerline Lighting
LFA5	Runway End Identification Lights (REIL)
LFA53	Beacon
LFA6	Runway Lights/Runway Edge Lights
LFA7	Sequenced Strobe
LFA73	Goose Necks
LFA74	Lighted Wind Indicator
LFA75	Runway Strip Lights
LFA76	Visual Approach Path Indicator
LFA77	Sequenced Flashing Lights
LFA78	Hi Intensity Runway Lights
LFA79	Low Cost VASI
LFA8	Taxiway Lighting
LFA80	Low Intensity Runway Lights
LFA81	Medium Intensity Runway Lights
LFA82	Optical Lighting System
LFA83	Pilot Controlled Lighting
LFA84	Portable Runway Lights
LFA85	SALS
LFA86	SALSF
LFA87	MALS
LFA88	SSALSF
LFA89	SALSF
LFA9	Visual Approach Slope Indicator (VASI)
LFA90	Overrun Centerline
LFA91	Centerline & Bar
LFA92	U.S. Configuration
LFA93	Hong Kong Curve
LFA94	Center Row
LFA95	Left Single Row
LFA96	Former NATO Standard
LFA97	Center Row
LFA98	NATO Standard
LFA99	Center & Double Row

LIGHTING-SYSTEM-TYPE Remarks Text

Lighting comments.

Data Type: Character-String **Length:** 864

LIGHTING-SYSTEM-TYPE-AVAILABILITY

Information about the availability of a type of lighting system at an airport.

LIGHTING-SYSTEM-TYPE-AVAILABILITY Type Code

The code indicating the availability of a LIGHTING-SYSTEM-TYPE at an airport.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Available
E	Estimated
N	None
U	Unknown

LIGHTING-SYSTEM-TYPE-REPRESENTATION New

A model of a LIGHTING-SYSTEM.

LIGHTING-SYSTEM-TYPE-REPRESENTATION Character of Light Text **New**

Any identifier composed of the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position [e.g. Q(6)+L F1, VQ G, L F1 (3+2)WR].

Data Type: Character-String **Length:** 80

LIGHTING-SYSTEM-TYPE-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the LIGHTING-SYSTEM-TYPE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

LIGHTING-SYSTEM-TYPE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the LIGHTING-SYSTEM-TYPE-REPRESENTATION. For a round LIGHTING-SYSTEM-TYPE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

LIGHTING-SYSTEM-TYPE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the LIGHTING-SYSTEM-TYPE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

LIGHTING-SYSTEM-TYPE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the LIGHTING-SYSTEM-TYPE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

LINE

A one dimensional GEOMETRIC-SPATIAL-ELEMENT that is defined by a set of points connected by straight line segments in an ordered sequence.

LINE-BOUNDED-RASTER-OBJECT-SURFACE

A RASTER-OBJECT-SURFACE defined by a RASTER-OBJECT-LINE.

LINE-OF-COMMUNICATION-SEGMENT

One segmented strip within an IMAGERY-AREA-TARGET-LINE-OF-COMMUNICATION.

LINE-OF-COMMUNICATION-SEGMENT Segment Sequence Identifier

The sequence number of a segmented LINE-OF-COMMUNICATION search area.

Data Type: Character-String **Length:** 5

LINE-OF-COMMUNICATION-SEGMENT-POINT

An association of a LINE-OF-COMMUNICATION-SEGMENT with a POINT.

LINE-OF-COMMUNICATION-SEGMENT-POINT Type Code

The code that represents the type of LINE-OF-COMMUNICATION-SEGMENT-POINT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Startpoint
2	Endpoint

LINE-POINT

One of a sequence of POINTs used to define a LINE.

LINE-POINT Sequence Identifier

The identifier that represents the relative order of a LINE-POINT among the set of LINE-POINTs associated with a specific LINE.

Data Type: Character-String **Length:** 10

LIQUID-GASEOUS-STORAGE-STRUCTURE

A head of a hierarchy of LIQUID-GAS-STORAGE-STRUCTURES that have similar attributes.

LIQUID-GASEOUS-STORAGE-STRUCTURE Basic Encyclopedia Number **New**

The unique number used to identify the LIQUID-GASEOUS-STORAGE-STRUCTURE in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

LIQUID-GASEOUS-STORAGE-STRUCTURE Character of Light Text

Any identifier composed of the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position [e.g. Q(6)+L F1, VQ G, L F1 (3+2)WR].

Data Type: Character-String **Length:** 80

LIQUID-GASEOUS-STORAGE-STRUCTURE Legacy Identifier

A unique number relating specific interior map/chart features to border information.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Units

LIQUID-GASEOUS-STORAGE-STRUCTURE Type Code

The code that indicates the type of LIQUID-GASEOUS-STORAGE-STRUCTURE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
AM070	Storage Tank
AM080	Water Tower

LIQUID-GASEOUS-STORAGE-STRUCTURE Usage Code **New**

A code indicating the the primary user of the LIQUID-GASEOUS-STORAGE-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE25	Federal
USE49	Civilian/Public
USE8	Military

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION

A model of a head of a hierarchy of LIQUID-GAS-STORAGE-STRUCTURES that have similar attributes.

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Existence Category Code

The code that indicates the state or condition of a feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION. For a round LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION, the diameter is measured.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Location Category Code

The code that indicates the status of a feature relative to the surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Permanency Code

The code that indicates the permanency of a feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Structure Shape Code

The code that indicates the geometric form, appearance or configuration of a feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC12	Pyramid
SSC17	Spherical (Hemispherical)
SSC59	Telescoping Gasholder (Gasometer)
SSC65	Cylindrical with flat top
SSC66	Cylindrical with domed top
SSC71	Cylindrical/Peaked
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC88	Spherical with Column Support
SSC999	Other

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Structure Shape of Roof Code

The code that indicates the roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR6	Conical/Peaked/NUN
SSR999	Other

LIQUID-GASEOUS-STORAGE-STRUCTURE-REPRESENTATION Surface Material Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

LOCATION

A specific place.

LOCATION Category Code

The code that denotes the class of a specific LOCATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
01	GEOMETRIC SPATIAL ELEMENT

LOCATION Identifier

The identifier that represents a specific LOCATION.

Data Type: Character-String **Length:** 6

LOCK

An INLAND-WATER-CONTROL-STRUCTURE with gates that allows watercraft to be raised from one water level to another.

LOCK Gate Type Code

The code that represents the type of gate used in a LOCK.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LGT1	Lift
LGT2	Swivel

LOCK-GATE

A category of NAUTICAL-LOCK that relates it to INLAND-LOCK-GATEs.

LOCK-REPRESENTATION

A model of a LOCK.

LOCK-REPRESENTATION Chamber Length Dimension

The length of a LOCK between the gates.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

LOCK-REPRESENTATION Chamber Width Dimension

The width of a LOCK between the side walls.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

LOCK-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the LOCK-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS7	Destroyed

LOCK-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the LOCK-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

LOCK-REPRESENTATION Gate Material Type Code

The code that represents the type of construction material used in the gates of a LOCK.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC107	Steel
MCC117	Wood
MCC21	Concrete

LOCK-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the LOCK-REPRESENTATION.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

LOCK-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the LOCK-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

LOCK-REPRESENTATION Hydrographic Depth Dimension

The depth of the LOCK from a specified vertical datum to the lowest level known to be clear of obstacles to navigation.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	99.9	**Unit of Measure:**	Meters

LOCK-REPRESENTATION Lift Height Dimension

The vertical distance over which the watercraft are raised /lowered from one water level to another.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	99.9	**Unit of Measure:**	Meters

LOCK-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the LOCK-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone)
MCC999	Other

LOCK-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degree

LOCK-REPRESENTATION Required Port Access Code **New**

A code that indicates whether a water feature is used for access to a required port, or that the feature is in a water body used for access to a required port.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RPA0	Unknown
RPA1	Access Required
RPA2	Access Not Required

LOCK-REPRESENTATION Top Width Dimension **New**

The width at the top of a LOCK-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

LOG-BOOM-REPRESENTATION

A model of a line of connected, floating timbers as across a river or enclosing a water area to keep logs ready for the sawmill from floating away.

LOG-BOOM-REPRESENTATION Area

The absolute area within the delineation of the LOG-BOOM.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

LOG-BOOM-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

LOG-BOOM-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

LOGGING-AREA-REPRESENTATION **New**

An area of forest or vegetation being exploited for lumber resources.

LOGGING-AREA-REPRESENTATION Area **New**

The area encompassed by a LOGGING-AREA-REPRESENTATION.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

LOGGING-AREA-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the LOGGING-AREA-REPRESENTATION. For a round LOGGING-AREA-REPRESENTATION, the diameter is measured.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

LOGGING-AREA-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the LOGGING-AREA-REPRESENTATION.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

MAN-MADE-AIR-OBSTRUCTION

An existing object of human construction at a fixed location within prescribed area with a reference to which vertical clearance is or must be provided during flight operations.

MAN-MADE-AIR-OBSTRUCTION Calendar Date Type Code **New**

The type of report or activity.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CDP 0	Unknown
CDP 18	Receipt
CDP 19	Source
CDP 24	Up-to-dateness/revision

MAN-MADE-AIR-OBSTRUCTION Category Code

The code that represents the type of MAN-MADE-AIR-OBSTRUCTION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AA040	Rig/Superstructure
AC000	Processing Plant/Treatment Plant
AC010	Blast Furnace
AC020	Catalytic Cracker
AD010	US-Power Plant
AD030	Substation/Transformer Yard
AF010	Chimney/Smokestack
AF020	Conveyor
AF030	Cooling Tower
AF040	Crane
AF050	US-Dredge/Powershovel/Dragline
AF070	Flare Pipe
AF080	Hopper
AH050	Fortification
AJ050	Windmill
AJ051	Windmotor
AK020	Amusement Park Attraction
AK150	Ski Jump
AK160	Stadium/Amphitheater
AL015	Building
AL018	Building Superstructure Addition
AL050	Display Sign
AL110	US-Light Standard/Light Support
AL130	US-Monument
AL240	Tower (Non-Communication)
AM020	Grain Bin/Silo
AM030	Grain Elevator
AM070	Tank
AM080	Water Tower
AQ010	Aerial Cableway Lines/Ski Lift Lines
AQ020	Aerial Cableway Pylon/Ski Pylon
AQ040	Bridge/Overpass/Viaduct
AQ060	Control Tower
AQ110	Mooring Mast
AT010	US-Disk/Dish
AT030	Power Transmission Line
AT040	US-Power Transmission Pylon
AT050	Communication Building
AT060	Telephone Line/Telegraph Line
AT070	Telephone-Telegraph Pylon/Pole

AT080	Communication Tower
BC040	Light
BC070	Light Vessel/Lightship
BD110	Platform
BI020	Dam/Weir
BI050	Water Intake Tower
GB040	Launch Pad
GB221	Miscellaneous Air Obstruction

MAN-MADE-AIR-OBSTRUCTION Description Text

Narrative or other description concerning the MAN-MADE-AIR-OBSTRUCTION.

Data Type: Character-String **Length:** 255

MAN-MADE-AIR-OBSTRUCTION Guyed Category Code

Presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

MAN-MADE-AIR-OBSTRUCTION Identifier

The identifier that represents a specific man-made air obstruction.

Data Type: Character-String **Length:** 35

MAN-MADE-AIR-OBSTRUCTION Permanency Code

Indicates whether an object is temporary or permanent. See EXS 11 and EXS 18.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

MAN-MADE-AIR-OBSTRUCTION Structure Shape Category Code

Geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC10	Pillar/Spindle
SSC109	Obelisk
SSC12	Pyramid
SSC17	Spherical (Hemispherical)
SSC21	Artificial Mountain
SSC4	Bullet
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC74	'T' Frame
SSC77	Arch
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION

A model of a MAN-MADE-AIR-OBSTRUCTION.

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION Conspicuous Category Code

A conspicuous object is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION Existence Category Code

The state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	1 Meter

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION Material Composition Category Code

Characteristics of primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	1 DEG

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION Source Category Code **New**

The code indicating the source from which the MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC1	Survey Source
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

MAN-MADE-AIR-OBSTRUCTION-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Character-String **Length:** 5

MAN-MADE-PILE

A manmade mound of material.

MAN-MADE-PILE Identifier

The identifier that represents a particular MAN-MADE-PILE.

Data Type: Character-String **Length:** 35

MAN-MADE-PILE Usage Code **New**

A code indicating the the primary user of the MAN-MADE-PILE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE49	Civilian/Public
USE8	Military

MAN-MADE-PILE-CONTENT

Products that are part of a MAN-MADE-PILE.

MAN-MADE-PILE-CONTENT Product Code

The code that represents the type of products making up a MAN-MADE-PILE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO101	Slag
PRO127	Tailings
PRO128	Refuse
PRO136	Peat
PRO14	Cinders
PRO17	Coal
PRO19	Coke
PRO4	Ash
PRO999	Other

MAN-MADE-PILE-CONTENT-REPRESENTATION **New**

A model of the content of a MAN-MADE-PILE.

MAN-MADE-PILE-REPRESENTATION

A model of a MAN-MADE-PILE.

MAN-MADE-PILE-REPRESENTATION Area **New**

The absolute area within the delineation of the MAN-MADE-PILE-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0

Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

MAN-MADE-PILE-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the MAN-MADE-PILE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

MAN-MADE-PILE-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the MAN-MADE-PILE-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous From Sea
COC6	Inconspicuous

MAN-MADE-PILE-REPRESENTATION Height Dimension

The vertical distance measured from the base of the MAN-MADE-PILE to its highest point.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

MAN-MADE-PILE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the MAN-MADE-PILE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

MAN-MADE-PILE-REPRESENTATION Length Dimension

The measured horizontal distance of the centerline of the MAN-MADE-PILE.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Meters

MAN-MADE-PILE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the MAN-MADE-PILE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC108	Stone
SMC30	Earthen
SMC64	Metal
SMC72	Part Metal
SMC84	Rock/Rocky
SMC999	Other

MAN-MADE-PILE-REPRESENTATION Width Dimension

The measured horizontal distance perpendicular to the centerline of the MAN-MADE-PILE.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

MAP-PROJECTION

The systematic representation of all or part of the surface of the Earth on a plane or developable surface.

MAP-PROJECTION Name

The name of a MAP-PROJECTION.

Data Type: Character-String **Length:** 40

MAPPING-CHARTING-AND-GEODESY-AREA-TARGET-CORNER-POINT

An association of an IMAGERY-AREA-TARGET-MAPPING-CHARTING-AND-GEODESY-RECTANGLE with a POINT.

MAPPING-CHARTING-AND-GEODESY-AREA-TARGET-CORNER-POINT Type Code

The code that represents the type of MAPPING-CHARTING-AND-GEODESY-AREA-TARGET-CORNER-POINT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Southeast Cornerpoint
2	Northwest Cornerpoint

MAPPING-CHARTING-AND-GEODESY-RECTANGLE-NORTHWEST-CORNERPOINT

A POINT that defines the Northern-most and Western-most extent of an MC&G Rectangle.

MAPPING-CHARTING-AND-GEODESY-RECTANGLE-SOUTHEAST-CORNERPOINT

A POINT that defines the Southern-most and Eastern-most extent of an MC&G Rectangle.

MARITIME-HAZARD-REPRESENTATION

A model of an identified area or object, whose type may be unspecified, that is dangerous to surface navigation.

MARITIME-HAZARD-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the MARITIME-HAZARD-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS57	Sonar Confirmed
EXS58	Sonar Not Confirmed
EXS6	Abandoned/Disused
EXS7	Destroyed

MARITIME-HAZARD-REPRESENTATION Depth Dimension

Distance measured from the highest point at surface level to the lowest point of the feature below the surface. Recorded values are positive numbers.

Data Type: Fixed-Point **Length:** 8 **Decimal Count:** 2
Min Value: -3000 **Max Value:** 30000 **Unit of Measure:** Meters

MARITIME-HAZARD-REPRESENTATION Height Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

MARITIME-HAZARD-REPRESENTATION Hydrographic Depth Code

The code that provides information about the accuracy or availability of depth or uncovering height of a feature.ers.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HDI10	Depth Known by Wire Drag
HDI11	Depth Unknown But Safe to Depth Shown
HDI12	Depth Unknown
HDI13	Uncovering Height Known
HDI14	Uncovering Height Unknown
HDI15	Not Applicable
HDI9	Depth Known by Other Than Wire Drag

MARITIME-HAZARD-REPRESENTATION Hydrographic Depth Dimension

The depth of the MARITIME-HAZARD below the surace of the water.

Data Type: Fixed-Point **Length:** 8 **Decimal Count:** 2
Min Value: -20 **Max Value:** 13000 **Unit of Measure:** Meter

MARITIME-HAZARD-REPRESENTATION Hydrographic Drying Height Dimension **New**

The height of the MARITIME-HAZARD-REPRESENTATION, which tidal waters cover and uncover, referenced to a specified vertical datum.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** .1 meter

MARITIME-HAZARD-REPRESENTATION Location Category Code

The code that provides the status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC13	Hull Showing
LOC14	Masts Showing
LOC15	On Water Surface/Floating
LOC17	Sunken/On sea bottom
LOC20	Funnel Showing
LOC21	Superstructure Showing
LOC22	Off Shore
LOC23	Below Sea Bottom
LOC24	Suspended or Elevated above sea bottom
LOC28	Masts and Funnel Showing
LOC39	Depth Unknown
LOC4	Below Water Surface
LOC999	Other

MARITIME-HAZARD-REPRESENTATION Reported Year Date

The year that a maritime hazard was reported.

Data Type: Date **Length:** 4 **Decimal Count:** 0

Min Value: 0 **Max Value:** 9999 **Unit of Measure:** None

MARITIME-HAZARD-REPRESENTATION Sea Floor Feature Category Code **New**

The code that indicates the type of object or area on the sea floor or below the water surface.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SFC0	Unknown (Obstruction)
SFC3	Fish Haven
SFC4	Well
SFC5	Submerged Production Platform
SFC6	Wreckage
SFC7	Shoaling
SFC8	Less Water Reported
SFC9	Unexploded Ordnance
SFC999	Other

MARITIME-HAZARD-REPRESENTATION Severity of Hazard Code

The severity of potential danger from a maritime hazard.

Data Type: Character-String **Length:** 7

Domain Valid Value	Domain Value Definition
SOH0	Unknown
SOH1	Dangerous
SOH2	Non-Dangerous
SOH3	Obstruction
SOH99	Non-Dangerous to surface navigation but, avoid anchoring/trawling
SOH999	Other

MARITIME-HAZARD-REPRESENTATION Type Code

The code that represents the type of maritime hazard being represented.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	FISH-HAVEN-REPRESENTATION
10	OIL-BARRIER-REPRESENTATION
11	OYSTER-MUSSEL-BED-REPRESENTATION
12	REEF-REPRESENTATION
13	SNAG-REPRESENTATION
2	FISH-STAKES-REPRESENTATION
3	FISH-TRAP-REPRESENTATION
4	FOUL-GROUND-REPRESENTATION
5	HYDROGRAPHIC-FEATURE-REPRESENTATION
6	KELP-REPRESENTATION KELP
7	LOG-BOOM-REPRESENTATION
8	MARITIME-WRECK-REPRESENTATION
9	NAVAL-MINE-REPRESENTATION

MARITIME-LIMIT-REPRESENTATION

A line where on either side certain activities or factors of significance to navigation and/or operation apply.

MARITIME-LIMIT-REPRESENTATION Certainty of Delineation Code

The code that represents the knowledge of the limits or information of a MARITIME-LIMIT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

MARITIME-LIMIT-REPRESENTATION Type Code

The code the indicates the type of MARITIME-LIMIT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BB007	Channel Edge
MBL0	Unknown
MBL1	COLREGS Demarcation Line
MBL10	Continental Shelf Boundary
MBL11	Limits of Exclusive Economic Zone
MBL13	Clearing Line
MBL16	Gulf Stream Limits
MBL17	Three Nautical Mile Line
MBL18	Approximate Bathymetry
MBL2	Customs Boundary
MBL3	Fishing Zone Boundary
MBL4	Harbor Limit
MBL6	Territorial Waters - Limits of Sovereignty
MBL7	Territorial Waters Baseline
MBL9	International Boundary (at sea)
MBL999	Other

MARITIME-LIMIT-REPRESENTATION-HYDROGRAPHIC-AID-TO-NAVIGATION **New**

An association between a MARITIME-LIMIT-REPRESENTATION and a HYDROGRAPHIC-AID-TO-NAVIGATION-REPRESENTATION.

MARITIME-LIMIT-REPRESENTATION-HYDROGRAPHIC-AID-TO-NAVIGATION Bearing Angle **New**

The bearing of an object from an observer (on any point along the line) towards the object or feature.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 359.9 **Unit of Measure:** Degree

MARITIME-RAMP

A partially submerged hard surfaced area on a shoreline for launching and retrieving vessels or vehicles.

MARITIME-RAMP-REPRESENTATION

A model of a MARITIME-RAMP.

MARITIME-RAMP-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MARITIME-RAMP-REPRESENTATION Vertical Reference Category Code **New**

A code indicating the location of the MARITIME-RAMP referenced to the sounding datum.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR2	Awash at Sounding Datum
VRR4	Below Surface/Submerged
VRR8	Covers/Uncovers

MARITIME-RAMP-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the MARITIME-RAMP-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

MARITIME-ROUTE-BEARING-REPRESENTATION-SEGMENT

A model of a section of MARITIME-ROUTE-REPRESENTATION delimited by a constant bearing.

MARITIME-ROUTE-BEARING-REPRESENTATION-SEGMENT Bearing and Reciprocal Text **New**

True course of a vessel in 0.1 degree increments, when proceeding along a track or route, followed by its reciprocal bearing (i.e. 053.1-233.1).

Data Type: Character-String **Length:** 11

MARITIME-ROUTE-BEARING-REPRESENTATION-SEGMENT Bearing Angle

Bearing of movement or direction of flow.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 3
Min Value: 0 **Max Value:** 359.999 **Unit of Measure:** Degrees

MARITIME-ROUTE-INTENDED-USE-REPRESENTATION-SEGMENT

A model of a section of MARITIME-ROUTE-REPRESENTATION delimited by an intended use.

MARITIME-ROUTE-INTENDED-USE-REPRESENTATION-SEGMENT Intended Use Code

A code designating intended use of the route segment.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
1	Recommended Track for Deep Draft Vessels
10	HAZMAT Route
2	Recommended Track for Other Than Deep Draft Vessels
3	Deep Water Route
4	Recommended Route
5	Centerline
6	Deep Water Route Centerline
7	Deep Water Route Part
8	Submarine Transit Lane Submerged
9	Submarine Transit Lane Surfaced
RTT0	Unknown
RTT11	Two-way Route
RTT13	Recommended Direction of Traffic Flow
RTT17	Q-Route
RTT18	Recommended Route
RTT2	Recommended Track for Other Than Deep Draft Vessels
RTT3	Recommended Track for Deep Draft Vessels
RTT4	Deep Water Route

MARITIME-ROUTE-NAME-REPRESENTATION-SEGMENT

A model of a section of MARITIME-ROUTE-REPRESENTATION delimited by a name.

MARITIME-ROUTE-REPRESENTATION

A model of a defined track established for the safe passage of ships.

MARITIME-ROUTE-REPRESENTATION Flow Direction Angle **New**

Bearing of movement or direction of the flow.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

MARITIME-ROUTE-REPRESENTATION Hydrographic Depth Code **New**

Information about the accuracy or availability of depth or uncovering height of a feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
HDI10	Depth Known by Wire Drag
HDI12	Depth Unknown
HDI9	Depth Known by Other Than Wire Drag

MARITIME-ROUTE-REPRESENTATION Hydrographic Depth Dimension **New**

The depth of the feature below water, measured from the top or surface of the feature, referenced to a specified vertical datum. Recorded values are positive numbers.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** .1 meter

MARITIME-ROUTE-REPRESENTATION Reference Point Angle **New**

Description of the feature(s) which form a Leading Line or Clearing Line.

Data Type: Character-String **Length:** 256

MARITIME-ROUTE-REPRESENTATION Seaward Bearing Angle **New**

True course of a vessel when proceeding from seaward along a track or course.

Data Type: Floating-Point **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** .1 degree

MARITIME-ROUTE-REPRESENTATION Type Code

The code that represents the type of MARITIME-ROUTE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RTT8	Safety Fairway

MARITIME-ROUTE-REPRESENTATION-SEGMENT

A section of a MARITIME-ROUTE-REPRESENTATION that is delimited by a constant value of specific characteristic.

MARITIME-ROUTE-REPRESENTATION-SEGMENT Characteristic Type Code

The code that represents the specific characteristic that delimits a MARITIME-ROUTE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	MARITIME-ROUTE-TRAFFIC-DIRECTION-REPRESENTATION-SEGMENT
2	MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT
3	MARITIME-ROUTE-NAME-REPRESENTATION-SEGMENT
4	MARITIME-ROUTE-INTENDED-USE-REPRESENTATION-SEGMENT
5	MARITIME-ROUTE-BEARING-REPRESENTATION-SEGMENT

MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT

A section of MARITIME-ROUTE-REPRESENTATION delimited by a safe depth.

MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT Type Code

A code that identifies the type of MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT-LEAST-DEPTH
2	MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT-MAXIMUM-DRAFT

MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT-LEAST-DEPTH

A type of MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT.

MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT-LEAST-DEPTH Dimension

Shoalest depth dimension obtained on the MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 3
Min Value: 0 **Max Value:** 999.999 **Unit of Measure:** Meters

MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT-MAXIMUM-DRAFT

A type of MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT.

MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT-MAXIMUM-DRAFT Dimension

Maximum permissible draft of a vessel which may use the MARITIME-ROUTE-SAFE-DEPTH-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 3
Min Value: 0 **Max Value:** 999.999 **Unit of Measure:** Meters

MARITIME-ROUTE-TRAFFIC-DIRECTION-REPRESENTATION-SEGMENT

A section of MARITIME-ROUTE-REPRESENTATION delimited by a traffic direction.

MARITIME-ROUTE-TRAFFIC-DIRECTION-REPRESENTATION-SEGMENT Bidirectional Code

A code indicating the presence or absence of 2-way traffic on the route.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS22	One-way
EXS23	Two-way

MARITIME-STATION **New**

A facility occupied by a governmental (maritime related) or harbor authority, providing specific services to vessels.

MARITIME-STATION Existence Category Code **New**

The code that indicates the state or condition of the MARITIME-STATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS42	Continuous Operation
EXS999	Other

MARITIME-STATION Identifier **New**

The identifier that represents a MARITIME-STATION.

Data Type: Character-String **Length:** 25

MARITIME-STATION Station Type Code **New**

A code indicating the type of equipment or activity available at the MARITIME-STATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
STA0	Unknown
STA1	Coast Guard
STA11	Pilot
STA13	Signal
STA15	Storm Signal
STA17	Tide Signal
STA19	Time Signal
STA2	Fireboat
STA21	Weather Signal
STA25	Semaphore
STA27	Tidal Current Signal
STA28	Traffic Signal
STA29	Bridge Signal
STA3	Marine Police
STA30	Lock Signal
STA32	International Port Signals
STA33	Firing Practice Signal Station
STA35	Warning
STA36	Radar Surveillance Station
STA37	Pilot Lookout Station
STA4	Ice Signal
STA5	Lifeboat/Rescue
STA6	Port Control

MARITIME-STATION-HARBOR New

An association of a MARITIME-STATION and a HARBOR.

MARITIME-STATION-PORT

New

Association of a MARITIME-STATION and a PORT.

MARITIME-STATION-REPRESENTATION

New

A model of a MARITIME-STATION.

MARITIME-TRAFFIC-DIRECTION-REPRESENTATION

A model of a MARITIME-TRAFFIC-SEPARATION-SCHEME-COMPONENT that establishes the direction of traffic flow.

MARITIME-TRAFFIC-DIRECTION-REPRESENTATION Bearing Angle

Horizontal direction of one terrestrial point from another, expressed as the angular distance from a reference direction.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 3
Min Value: 0 **Max Value:** 359.999 **Unit of Measure:** Degrees

MARITIME-TRAFFIC-DIRECTION-REPRESENTATION Direction Condition Code

Required conformance to the MARITIME-TRAFFIC-DIRECTION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Mandatory
2	Recommended

MARITIME-TRAFFIC-LANE-REPRESENTATION

A model of a MARITIME-TRAFFIC-SEPARATION-SCHEME-COMPONENT that defines an area in which one way traffic is established.

MARITIME-TRAFFIC-LANE-REPRESENTATION Direction Code

A code indicating the direction of the MARITIME-TRAFFIC-LANE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TRF1	Inbound
TRF2	Outbound
TRF5	Round About

MARITIME-TRAFFIC-SEPARATION-SCHEME-COMPONENT-REPRESENTATION

ADMINISTRATIVE-FEATURE-REPRESENTATIONs that are the elements which comprise a specific MARITIME-TRAFFIC-SEPARATION-SCHEME-REPRESENTATION.

MARITIME-TRAFFIC-SEPARATION-SCHEME-COMPONENT-REPRESENTATION Type Code

The code that represents the type of MARITIME-TRAFFIC-SEPARATION-SCHEME-COMPONENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	MARITIME-TRAFFIC-SEPARATION-SCHEME-PRECAUTIONARY-AREA
2	MARITIME-TRAFFIC-LANE
3	MARITIME-SEPARATION-ZONE
4	INSHORE-TRAFFIC-ZONE
5	MARITIME-TRAFFIC-DIRECTION
6	MARITIME-TRAFFIC-SEPARATION-SCHEME-CROSSING
TSP1	Arrow
TSP2	Outer Boundary
TSP3	Separation Zone Area
TSP4	Separation Zone Line
TSP5	Separation Zone Point
TSP6	Inbound Area
TSP7	Outbound Area

MARITIME-TRAFFIC-SEPARATION-SCHEME-REPRESENTATION

A model of a collection of MARITIME-TRAFFIC-SEPARATION-SCHEME-COMPONENTs which aims at reducing the risk of collision in congested and converging areas by separating the traffic moving in opposite, or nearly opposite, directions. (IHO pg. 229 #5585)

MARITIME-TRAFFIC-SEPARATION-SCHEME-REPRESENTATION Identifier

The identifier that represents a specific instance of a MARITIME-TRAFFIC-SEPARATION-SCHEME.

Data Type: Character-String **Length:** 25

MARITIME-TRAFFIC-SEPARATION-SCHEME-REPRESENTATION International Maritime Organization Adoption Status Code

The status of adoption by the International Maritime Organization.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
IAS1	Adopted
IAS2	Not Adopted

MARITIME-TRAFFIC-SEPARATION-SCHEME-REPRESENTATION Maritime Area Category Code **New**

Code that represents the area in which certain activities or factors of significance to navigation or operations apply.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
MAC40	Roundabout Zone (TSS)
MAC41	Inshore Traffic Zone (TSS)
MAC999	Other

MARITIME-WRECK-PRODUCT

The cargo of a MARITIME-WRECK.

MARITIME-WRECK-PRODUCT Code

The code that represents the type of product that had been carried by a maritime wreck.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SeeFACCVolume4B78toB80	See FACC Volume 4, B-78 to B-80

MARITIME-WRECK-REPRESENTATION

A model of the ruined remains of a vessel that has been rendered useless.

MARITIME-WRECK-REPRESENTATION Area **New**

The absolute area within the delineation of the MARITIME-WRECK-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

MARITIME-WRECK-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the MARITIME-WRECK-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

MARITIME-WRECK-REPRESENTATION Length Dimension

The length of a model of a MARITIME-WRECK.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

MARITIME-WRECK-REPRESENTATION Orientation Angle

The bearing angle of the long axis orientation of the maritime wreck, measured from true north.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

MARITIME-WRECK-REPRESENTATION Position Evaluation Code **New**

Code that reflects the evaluation of the position accuracy of a Non-submarine contact. Reference STANAG 3715.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PEV1	Accuracy <= 1 nautical mile
PEV2	Accuracy > 1 nautical mile and <= 3 nautical miles
PEV3	Accuracy > 3 nautical mile and <= 5 nautical miles
PEV4	Accuracy > 5 nautical mile and <= 10 nautical miles
PEV5	Accuracy uncertain

MARITIME-WRECK-REPRESENTATION Source of Report Code **New**

The source of a reported non-submarine contact.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
WSR10	Japanese Naval and Merchant Losses during WWII By All Causes NAVEXOS P-468
WSR11	US Losses - Director, Fleet Operations
WSR12	H.O. Files
WSR13	COMNAVPAC
WSR14	COMNAVFE
WSR15	H.O. Chart Reports and Charts
WSR16	H.O. Notice to Mariners
WSR17	Lloyds and Marine Underwriter's Reports
WSR18	The Imperial Japanese Navy in WWII
WSR19	U.S. Navy at War 1941-1945
WSR20	German, Japanese, and Italian Submarine Losses in WWII
WSR21	Swedish Merchant Losses 1914-1920
WSR22	H.O. Wreck Information List and Supplement dated 10 MAR 1945 and 30 SEP
WSR23	American Ship Casualties of WWI
WSR24	U.S. Coast Guard and Geodetic Survey Records
WSR25	Tenth Fleet Records (OP-374)
WSR26	Naval Losses of All Nations 9/3/39 - 8/15/45
WSR27	Italian Naval and Merchant Losses, WWII
WSR28	List of Danish War Losses 1914 - 1918
WSR29	British Merchant Vessels Captured or Destroyed by Enemy Action 1914 -
WSR30	Abstracts of Losses 1914 - 1918
WSR31	British and Foreign Merchant Ships Lost During WWII
WSR32	A List of Neutral Ships Sunk by Germany
WSR33	Greek Losses WWII
WSR34	Italian Naval Losses - WWI
WSR35	Spanish Merchant Losses - WWI
WSR36	Netherlands Merchant Losses - WWI
WSR37	Italian Merchant Losses - WWI
WSR38	Maritime Declarations for Norwegian Ships for War Losses 1914 - 1918
WSR39	Reports of Known Wrecks by U.S. Coast Guard Districts 1950
WSR40	France - Naval and Merchant Losses during WWI
WSR41	Sonar Reports and MAD Reports, U.S. Navy
WSR42	Maritime Commission also ONI List WWI
WSR43	Smaling Soforklaringer - Danish Ship War Losses 1914 - 1918
WSR44	Merchant Vessels of the U.S. Lost (Commerce Department)
WSR45	Naval Chronology WWII
WSR46	Ship Visit Reports
WSR47	Spanish Hydrographic Office
WSR48	British Admiralty Wreck Charts 1921

WSR49	Swedish Board of Shipping and Navigation, Hydrographic Dept.
WSR50	British Admiralty Wreck Charts, 1961
WSR51	Portugal Hydrographic Office
WSR52	Italian Navy Survey
WSR53	State of Shipping Casualties (Resulting in total loss in St. Lawrence River and Gulf, on the Atlantic Coast from 1896 up to date)
WSR54	Italian Naval Surveys Charts and Lists
WSR55	ONI
WSR57	R.C.N. Wreck List (RCN Pub. 272)
WSR58	Dutch Wreck List
WSR59	North Sea Fishing Charts
WSR60	Photographs of Pinnacles and Miscellaneous Metals
WSR61	Coast and Geodetic Survey (National Ocean Survey) Charts
WSR62	Radio Navigation Warning
WSR63	OMAN National Hydrographic Office
WSR8	Report SONAR verified
WSR9	Report MAD verified

MARITIME-WRECK-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the MARITIME-WRECK-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal

MARITIME-WRECK-REPRESENTATION Surface Reference Type Code

The relation to the water surface from the maritime wreck.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR1	ABOVE-SURFACE-MARITIME-WRECK-REPRESENTATION
VRR4	SUBMERGED-MARITIME-WRECK-REPRESENTATION
VRR8	COVERED-AND-UNCOVERED-MARITIME-WRECK-REPRESENTATION

MARITIME-WRECK-REPRESENTATION Tonnage Amount **New**

Tonnage of a sunken or stranded wreck, a hulk, or other vessel.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** ton

MARITIME-WRECK-REPRESENTATION Width Dimension

The width of the maritime wreck.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

MARITIME-WRECK-REPRESENTATION Wreck Type Code **New**

A code indicating the type of wreck as listed in Non Submarine Contacts list.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
WKT0	Unknown
WKT1	Anomalies
WKT10	Subchaser
WKT11	Coaster
WKT12	Cruiser
WKT13	Ship Debris (plates, misc. metal)
WKT14	Destroyer, Destroyer Escort, Corvette
WKT15	Dredge
WKT16	Drill Vessel or Drill Rig
WKT17	Explosives
WKT18	Fishing Vessel
WKT19	Fishing Reef
WKT2	Aircraft
WKT20	Ferry
WKT21	Frigate
WKT22	Gunboat
WKT23	Hospital Ship
WKT24	Hydrographic Survey, Air Cushion, Hydrofoil
WKT25	Junk
WKT26	Lash Vessel
WKT27	Landing Craft, Infantry (LCI)
WKT28	Gas Carrier, Natural Petroleum
WKT29	Landing Ship, Infantry (LSI)
WKT3	Auxiliary
WKT30	Landing Ship, Tank (LST)
WKT31	Lightship
WKT32	Minesweeper, Minelayer
WKT33	Net Tender
WKT34	Bulk Carrier
WKT35	Obstruction
WKT36	Passenger Cargo
WKT37	Patrol Boat
WKT38	Pinnacle Rock
WKT39	Roll On - Roll Off
WKT4	Battleship
WKT40	Sailing Ship
WKT41	Sea Bee, Lash Barge
WKT42	Submarine Float
WKT43	Submarine
WKT44	Survey Vessel

WKT45	Tanker
WKT46	Tender, Submarine, Airplane, Oil Rig
WKT47	Target
WKT48	Torpedo Boat
WKT49	Transport
WKT5	Barge
WKT50	Tug
WKT51	Trawler
WKT52	Very Large Container
WKT53	Well Head
WKT54	Yacht
WKT6	Buoy
WKT7	Caisson
WKT8	Aircraft Carrier
WKT9	Cargo
WKT998	Not Applicable

MATERIEL-ITEM

A characterization of a materiel asset.

MATERIEL-ITEM Identifier

The identifier that represents a MATERIEL-ITEM.

Data Type: Character-String **Length:** 32

MATERIEL-ITEM Type Code

The code that represents a specific kind of MATERIEL-ITEM.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	VEHICLE-TYPE
02	WEAPON-TYPE
03	MUNITION-TYPE
04	SENSOR-TYPE
05	AIRCRAFT-TYPE
06	ANTENNA-TYPE
07	CONSUMABLE-MATERIEL-TYPE
08	COUNTERMEASURES-SYSTEM-TYPE
09	ELECTRICAL-SYSTEM-TYPE
10	ELECTRO-OPTICAL-SYSTEM-TYPE
11	ELECTRONIC-SYSTEM-TYPE
12	EQUIPMENT-TYPE
13	LAUNCHER-TYPE
14	LIFTING-DEVICE-TYPE
15	PROPULSION-SYSTEM-COMPONENT-TYPE
16	RADIO-FREQUENCY-EQUIPMENT-TYPE
17	SHIP-TYPE

MEASURE-UNIT

The increment by which matter is measured.

MEASURE-UNIT Code

The code that represents the MEASURE-UNIT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
see DOD 4100.39-M V10, T53	

MEASURED-DISTANCE-LINE

A course whose length has been accurately measured and is used in conjunction with VANIL ashore.

MEASURED-DISTANCE-LINE-REPRESENTATION

A model of a MEASURED-DISTANCE-LINE.

MEASURED-DISTANCE-LINE-REPRESENTATION Bearing Angle

The true course of a vessel when proceeding along a measured distance line.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: 0 **Max Value:** 359.99 **Unit of Measure:** Degrees

MEASURED-DISTANCE-LINE-REPRESENTATION Distance Dimension

Length of range established by aids to navigation.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: 0 **Max Value:** 999.99 **Unit of Measure:** Meters

MEASUREMENT-ASSESSMENT

A quantitative assessment of the quality and error bounds for a measurement.

MEASUREMENT-ASSESSMENT Quantity

A value representing the error limit for a measurement.

Data Type: Floating-Point **Length:** 15 **Decimal Count:** 0
Min Value: -1e+013 **Max Value:** 1e+013 **Unit of Measure:** Each

MEMORANDUM-OF-UNDERSTANDING

An AGREEMENT that specifies the informal terms in an area of mutual interest.

MEMORANDUM-OF-UNDERSTANDING Text

The text that describes the MEMORANDUM-OF-UNDERSTANDING.

Data Type: Character-String **Length:** 255

MILITARY-BASE

New

A center of operations for a military organization.

MILITARY-BASE-REPRESENTATION

New

A model of a MILITARY-BASE.

MILITARY-TRAINING-ROUTE

Routes used by the Department of Defense and associated reserve and air guard units for the purpose of conducting low altitude navigation and tactical training in both IFR and VFR weather conditions below 10,000 feet AMSL at airspeed in excess of 250 KTS IAS.

MILITARY-TRAINING-ROUTE Effective Time Text

Indicates the hours, days, and/or dates that the given military training route is to be in effect.

Data Type: Character-String **Length:** 80

MILITARY-TRAINING-ROUTE Remarks Text

Remarks are limited to terrain following operations, special operating procedures, flight service stations (FSS) within a hundred NM radius and SR (slow route) remarks.

Data Type: Character-String **Length:** 240

MILITARY-TRAINING-ROUTE Type Code

The code that represents the kind of MILITARY-TRAINING-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Visual Flight Route
2	Instrument Flight Route
3	Slow Route

MILITARY-TRAINING-ROUTE-SEGMENT

A specified segment of a MILITARY-TRAINING-ROUTE.

MILITARY-TRAINING-ROUTE-SEGMENT Additional Route Information Text

Additional route information vital to the execution of the military training route at a specific point to the next point.

Data Type: Character-String **Length:** 80

MILITARY-TRAINING-ROUTE-SEGMENT Altitude Code

Designates whether the reference crossing or on route altitude(s) identified should be maintained 'at', 'at or above', 'at or below', or 'between' specific altitudes or 'as assigned'.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AA	At or above Altitude Specified in Altitude 1
AB	At or Below Altitude Specified in Altitude 1
AS	As Assigned
AT	At Altitude Specified in Altitude 1
BT	Between Altitudes Specified in Altitude 1 and Altitude 2

MILITARY-TRAINING-ROUTE-SEGMENT Turn Direction Code

Indicates the specific direction in which a the turn is to be made.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Left
2	Right

MILITARY-TRAINING-ROUTE-SEGMENT-FIX

A geographical position determined by reference to a navigational aid.

MILITARY-TRAINING-ROUTE-SEGMENT-FIX Identifier

A geographical position determined by reference to a navigational aid.

Data Type: Character-String **Length:** 8

MILITARY-TRAINING-ROUTE-SEGMENT-FIX-REPRESENTATION

A model of a MILITARY-TRAINING-ROUTE-SEGMENT-FIX.

MILITARY-TRAINING-ROUTE-SEGMENT-FIX-REPRESENTATION Bearing Angle

The bearing in degrees and tenths of degrees to the navigational aid.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Degrees

MILITARY-TRAINING-ROUTE-SEGMENT-FIX-REPRESENTATION Distance Dimension

The distance in nautical miles and tenths of nautical miles to the navigational aid.

Data Type: Character-String **Length:** 8

MILITARY-TRAINING-ROUTE-SEGMENT-POINT

The association between a MILITARY-TRAINING-ROUTE-SEGMENT and a POINT.

MILITARY-TRAINING-ROUTE-SEGMENT-POINT Altitude Code

The code that indicates where the airplane flying the MILITARY-TRAINING-ROUTE-SEGMENT is in relationship to the identified reference crossing or enroute altitudes. - AB - AT OR BELOW ALTITUDE SPECIFIED IN ALTITUDE ONE BT - BETWEEN ALTITUDES SPECIFIED IN ALTITUDE ONE AND ALTITUDE TWO. AT - AT ALTITUDE SPECIFIED IN ALTITUDE ONE. AS - AS ASSIGNED.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AA	AT OR ABOVE ALTITUDE SPECIFIED IN ALTITUDE ONE.

MILITARY-TRAINING-ROUTE-SEGMENT-POINT Text

The text that describes the association that exists between a MILITARY-TRAINING-ROUTE-SEGMENT and a POINT.

Data Type: Character-String **Length:** 200

MILITARY-TRAINING-ROUTE-SEGMENT-POINT Usage Code

A one character code to identify the function of the point.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Alternate Entry Point
B	Alternate Exit Point
C	Alternate Entry/Exit Point
S	Entry Point (Starting Point)
T	Turning Point
X	Exit Point (Ending Point)

MILITARY-TRAINING-ROUTE-SEGMENT-POINT-REPRESENTATION

A model of a MILITARY-TRAINING-ROUTE-SEGMENT-POINT.

MILITARY-TRAINING-ROUTE-SEGMENT-POINT-REPRESENTATION Cross Altitude Bottom Dimension

The lowest specific altitude expressed in feet AMSL (Above Mean Sea Level), AGL (Above Ground Level), or FL (Flight Level) within which Military Training Operations shall be conducted while crossing the point identified.

Data Type: Character-String **Length:** 8

MILITARY-TRAINING-ROUTE-SEGMENT-POINT-REPRESENTATION Cross Altitude Top Dimension

The highest specific altitude expressed in feet above mean sea level (AMSL), above ground level (AGL), or flight level (FL) within which military training operations shall be conducted while crossing the point identified.

Data Type: Character-String **Length:** 8

MILITARY-TRAINING-ROUTE-SEGMENT-REPRESENTATION

A model of a MILITARY-TRAINING-ROUTE-SEGMENT.

MILITARY-TRAINING-ROUTE-SEGMENT-REPRESENTATION Enroute Bottom Altitude Dimension

The lower altitude of a block of airspace within which military training operations shall be conducted to the next point identified.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99999	**Unit of Measure:**	Feet

MILITARY-TRAINING-ROUTE-SEGMENT-REPRESENTATION Enroute Top Altitude Dimension

The specific altitude or upper altitude within a block of airspace within which military training operations shall be conducted to the next point identified.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99999	**Unit of Measure:**	Feet

MILITARY-TRAINING-ROUTE-SEGMENT-REPRESENTATION Left Width Dimension

Route width from the left side of the centerline to the next point.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	400	**Unit of Measure:**	Nautical Miles

MILITARY-TRAINING-ROUTE-SEGMENT-REPRESENTATION Right Width Dimension

The route width from the right side of the centerline to the next point.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	400	**Unit of Measure:**	Nautical Miles

MILITARY-TRAINING-ROUTE-SEGMENT-REPRESENTATION Turn Radius Dimension

Indicates the turning radius around a point within a MILITARY-TRAINING-ROUTE-SEGMENT.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	99.9	**Unit of Measure:**	Nautical-Miles

MINE-IN-GROUND-REPRESENTATION **New**

A model of a MINE-IN-GROUND.

MINE-IN-GROUND-REPRESENTATION Depth Dimension **New**

The distance measured from the highest vertical point of the mine to the lowest vertical point of the mine.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	99.9	**Unit of Measure:**	Meters

MINE-IN-GROUND-REPRESENTATION Diameter Dimension **New**

A measurement of the longer of two linear axes of the mine.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

MINE-IN-GROUND-REPRESENTATION Predominant Feature Depth Dimension **New**

The predominant depth within the delineation of mine.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

MINE-IN-GROUND-REPRESENTATION Surface Material Category Code **New**

The surface material composition of the mine excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC30	Earthen
SMC84	Rock/Rocky
SMC999	Other

MINERAL-EXTRACTION-MINE

An excavation for the purpose of extracting solid natural deposits of commercial or strategic value.

MINERAL-EXTRACTION-MINE Identifier

The identifier that represents a MINERAL-EXTRACTION-MINE.

Data Type: Character-String **Length:** 35

MINERAL-EXTRACTION-MINE Product Category Code **New**

The code indicating the principal product resulting from the MINERAL-EXTRACTION-MINE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO100	Silver
PRO112	Uranium
PRO118	Zinc
PRO119	Bauxite
PRO17	Coal
PRO23	Copper
PRO27	Diamonds
PRO42	Gold
PRO51	Iron
PRO54	Lead
PRO59	Manganese
PRO80	Quartz
PRO87	Salt
PRO997	Not Applicable
PRO998	Multiple
PRO999	Other

MINERAL-EXTRACTION-MINE Surface Excavation Code **New**

The code indicating the type of surface excavation being performed at the MINERAL-EXTRACTION-MINE site.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
MIN3	Open Pit
MIN4	Placer
MIN5	Prospect
MIN6	Strip
MIN8	Peat Cuttings

MINERAL-EXTRACTION-MINE Tunnel Direction Code **New**

The code indicating the direction of the mine shaft.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
MIN2	Horizontal Shaft Horizontal Shaft
MIN7	Vertical Shaft

MINERAL-EXTRACTION-MINE Type Code

The code that represents the type of MINERAL-EXTRACTION- MINE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Underwater
2	In Ground
3	Underground

MINERAL-EXTRACTION-MINE-IN-GROUND

An open excavation created by digging into the earth's surface.

MINERAL-EXTRACTION-MINE-IN-GROUND Mining Category Code

The code that represents the type of mining performed in a MINE-IN-GROUND.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
MIN0	Unknown
MIN2	Horizontal Shaft
MIN3	Open Pit
MIN4	Placer
MIN5	Prospect
MIN6	Strip
MIN7	Vertical Shaft
MIN8	Peat Cuttings
MIN9	Below Surface Mine

MINERAL-EXTRACTION-MINE-REPRESENTATION

A model of a MINERAL-EXTRACTION-MINE.

MINERAL-EXTRACTION-MINE-REPRESENTATION Area **New**

The absolute area within the delineation of the MINERAL-EXTRACTION-MINE-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

MINERAL-EXTRACTION-MINE-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the MINERAL-EXTRACTION-MINE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

MINERAL-EXTRACTION-MINE-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the MINERAL-EXTRACTION-MINE-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

MINERAL-EXTRACTION-MINE-REPRESENTATION Height Above Surface Level Dimension **New**

The distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the MINERAL-EXTRACTION-MINE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** M

MINERAL-EXTRACTION-MINE-REPRESENTATION Length Dimension **New**

The center line length of a MINERAL-EXTRACTION-MINE. For a round feature, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

MINERAL-EXTRACTION-MINE-REPRESENTATION Operational Status Code

A code that represents the operational status of a MINERAL-EXTRACTION-MINE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned

MINERAL-EXTRACTION-MINE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

MINERAL-EXTRACTION-MINE-REPRESENTATION Type Code

The code that represents the type of MINERAL-EXTRACTION-MINE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Open Mine Depth Representation
2	Underground Mine Depth Representation

MINERAL-EXTRACTION-MINE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the MINERAL-EXTRACTION-MINE.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MINERAL-EXTRACTION-MINE-UNDERGROUND

An excavation in the form of a tunnel or shaft.

MINERAL-EXTRACTION-MINE-UNDERGROUND Entry Shaft Type Code

The code that represents the type of MINERAL-EXTRACTION-MINE entry shaft.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
MIN2	Horizontal Shaft
MIN7	Vertical Shaft

MINERAL-EXTRACTION-MINE-UNDERGROUND-REPRESENTATION **New**

A model of a an underground mine.

MINERAL-EXTRACTION-MINE-UNDERGROUND-REPRESENTATION Depth Dimension **New**

The maximum vertical distance from any point in the MINE-UNDERGROUND to the earth's surface.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.1 **Unit of Measure:** Meters

MINERAL-EXTRACTION-MINE-UNDERWATER-REPRESENTATION **New**

A model of an underwater mine.

MINERAL-EXTRACTION-MINE-UNDERWATER-REPRESENTATION Depth Dimension **New**

The depth of an underwater mine.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -30 **Max Value:** 32767 **Unit of Measure:** Meters

MINIMUM-SAFE-ALTITUDE-SECTOR

The lowest altitude at which an aircraft can fly for a given terminal procedure.

MINIMUM-SAFE-ALTITUDE-SECTOR Identifier

Contains the name or series of characters with which the procedure is identified.

Data Type: Character-String **Length:** 28

MINIMUM-SAFE-ALTITUDE-SECTOR-REPRESENTATION

A model of a MINIMUM-SAFE-ALTITUDE-SECTOR.

MINIMUM-SAFE-ALTITUDE-SECTOR-REPRESENTATION Altitude Dimension

The minimum safe altitude which provides a 1000 foot obstacle clearance within a 25 nautical mile radius of the minimum safe altitude center.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	Feet

MINIMUM-SAFE-ALTITUDE-SECTOR-REPRESENTATION Bearing 1 Angle

The first sector (beginning) bearing toward the navigational aid, airport, or heliport identified at the minimum safe altitude center.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	359	**Unit of Measure:**	Degrees

MINIMUM-SAFE-ALTITUDE-SECTOR-REPRESENTATION Bearing 2 Angle

The second sector (ending) bearing toward the navigational aid, airport, or heliport identified at the minimum safe altitude center.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	359	**Unit of Measure:**	Degrees

MINIMUM-SAFE-ALTITUDE-SECTOR-REPRESENTATION Radius 1 Dimension

The distance in nautical miles from the center point of an MSA sector to the inner limit of the sector. A radius of 0 (zero) indicates the sector begins at the center point.

Data Type:	Integer	**Length:**	2	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99	**Unit of Measure:**	Nautical Miles

MINIMUM-SAFE-ALTITUDE-SECTOR-REPRESENTATION Radius 2 Dimension

The distance from the center point of an MSA sector to the outer limit of the sector. A radius of 25 indicates the sector, which begins at the distance in Radius 1, extends from Radius 1 to 25 nautical miles.

Data Type:	Integer	**Length:**	2	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99	**Unit of Measure:**	Nautical Miles

MINING-FACILITY

An assembly of one or more MINEs and associated supporting structures established for the extraction and shipment of MINE products.

MINING-FACILITY Identifier

The identifier that represents a MINING-FACILITY.

Data Type:	Character-String	**Length:**	35

MINING-FACILITY-REPRESENTATION

A model of a MINING-FACILITY.

MISCELLANEOUS-AREA

New

A cultural area not otherwise defined.

MISCELLANEOUS-AREA Type Code

New

The code indicating the type of MISCELLANEOUS-AREA.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AJ030	FEED LOT
FA015	FIRING RANGE

MISCELLANEOUS-AREA-REPRESENTATION

New

A model of a MISCELLANEOUS-AREA.

MISCELLANEOUS-AREA-REPRESENTATION Condition Code

New

A code indicating the state or condition of the MISCELLANEOUS-AREA-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused

MISCELLANEOUS-AREA-REPRESENTATION Type Code

New

Code that identifies the type of MISCELLANEOUS-ARE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AJ030	FEED LOT
FA015	FIRING RANGE

MISCELLANEOUS-CULTURAL-FEATURE

An instance of a miscellaneous feature/structure that isn't grouped under a specific category.

MISCELLANEOUS-CULTURAL-FEATURE Identifier

Unique numeric feature identifier.

Data Type: Character-String **Length:** 6

MISCELLANEOUS-CULTURAL-FEATURE Primary User Code

The code that indicates the primary user, function, or controlling authority.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE115	Snow Shed
USE116	Rock Shed
USE120	Recreational
USE128	Mixed urban or built up land
USE130	Transportation
USE133	Single Point Mooring
USE136	As a Fill
USE141	Forest Preserve
USE154	Compass Adjustment
USE155	Prohibited Area
USE16	City
USE22	Joint Military/civilian
USE23	International
USE25	Federal
USE26	Primary/1st Order
USE30	Secondary/2nd Order
USE31	Tertiary/3rd Order
USE32	Insular
USE33	Provincial
USE37	Interstate
USE4	National
USE44	Residental
USE49	Civilian/Public
USE5	State
USE51	Telegraph
USE52	Telephone
USE53	Power
USE6	Private
USE69	Levee/Dike
USE7	Tribal
USE70	Reserve/Reservation
USE999	Other

MISCELLANEOUS-CULTURAL-FEATURE Type Code

The code that indicates the type of MISCELLANEOUS-CULTURAL-FEATURE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	INDUSTRIAL-FEATURES
2	DEFENSIVE-STRUCTURES
3	AREAS-AND-STORAGE- FEATURES
4	MISCELLANEOUS-STRUCTURES

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION

A model of a MISCELLANEOUS-CULTURAL-FEATURE.

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION Area **New**

The absolute area within the delineation of the MISCELLANEOUS-CULTURAL-FEATURE.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION Conspicuous Code

A code that indicates the type of conspicuous object that is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION Height Above Surface Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes. For a round feature, the diameter is measured.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION Material Composition Code

The code that indicates the primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC ALL	Refer to FACC manual.
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC2	Aluminum
MCC20	Composition
MCC21	Concrete
MCC30	Earthen
MCC56	Lumber
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC8	Boulders
MCC83	Reinforced Concrete
MCC9	Brick
MCC999	Other

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION Type Code

The code that indicates the type of MISCELLANEOUS-CULTURAL-FEATURE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	INDUSTRIAL-FEATURE-REPRESENTATION
2	DEFENSIVE-FEATURE
3	AREAS-AND-STORAGE-FEATURES
4	MISCELLANEOUS-FEATURES

MISCELLANEOUS-CULTURAL-FEATURE-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MISCELLANEOUS-OBSTACLE-REPRESENTATION

A model of a MISCELLANEOUS-OBSTACLE.

MISCELLANEOUS-OBSTACLE-REPRESENTATION Derived Obstacle Height-Depth Code **New**

Categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

MISCELLANEOUS-OBSTACLE-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the MISCELLANEOUS-OBSTACLE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

MISCELLANEOUS-OBSTACLE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the MISCELLANEOUS-OBSTACLE-REPRESENTATION. For a round MISCELLANEOUS-OBSTACLE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

MISCELLANEOUS-OBSTACLE-REPRESENTATION Predominant Feature Depth Dimension **New**

The predominant depth within the delineation of the MISCELLANEOUS-OBSTACLE-REPRESENTATION.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MISCELLANEOUS-OBSTACLE-REPRESENTATION Predominant Feature Height Dimension **New**

Predominant height within delineation of MISCELLANEOUS-OBSTACLE-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MISCELLANEOUS-OBSTACLE-REPRESENTATION Slope Rate **New**

The change in height of the MISCELLANEOUS-OBSTACLE-REPRESENTATION divided by the horizontal distance over which the change takes place.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

MISCELLANEOUS-OBSTACLE-REPRESENTATION Vertical Reference Category Code

The code indicating the relative location of the MISCELLANEOUS-OBSTACLE-REPRESENTATION referenced to the sounding datum.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR2	Awash at Sounding Datum
VRR4	Below Surface/Submerged
VRR8	Covers and Uncovers
VRR9	Not Applicable

MISCELLANEOUS-STRUCTURE

A generalization of a set of features that are not represented in another subject area.

MISCELLANEOUS-STRUCTURE Type Code

The code that indicates the type of MISCELLANEOUS-STRUCTURE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Special Structure
2	Recreation Structure

MISCELLANEOUS-STRUCTURE-REPRESENTATION

A model of a MISCELLANEOUS-STRUCTURE.

MISCELLANEOUS-STRUCTURE-REPRESENTATION Type Code

The code that indicates the type of MISCELLANEOUS STRUCTURE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Special Structure
2	Recreation Structure
BH175	Trough

MISCELLANEOUS-SURFACE-DRAINAGE **New**

A surface drainage feature which is of a minor nature and which is not included in other feature codings in this specification.

MISCELLANEOUS-SURFACE-DRAINAGE-REPRESENTATION **New**

A model of MISCELLANEOUS-SURFACE-DRAINAGE.

MISCELLANEOUS-SURFACE-DRAINAGE-REPRESENTATION Length/Diameter Dimension **New**

A measurement of the longer of two linear axes.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION New

A model of an object or area on the sea floor or underwater that is not identified by any other code.

MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION Condition Code New

A code indicating the state or condition of the MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS57	Sonar Confirmed

MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION Hydrographic Depth Code New

Information about the accuracy or availability of depth or uncovering height of a MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
HD12	Depth Unknown
HDI0	Depth Known by Wire Drag
HDI9	Depth Known by Other Than Wire Drag

MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION Hydrographic Depth Dimension New

The depth of an underwater feature below the surface of the water.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0
Min Value: -30 **Max Value:** 32767 **Unit of Measure:** Meter

MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION Location Category Code New

A code indicating the status of the MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC15	On Water Surface/Floating
LOC17	Sunken/On sea bottom
LOC23	Below Sea Bottom
LOC24	Suspended or Elevated above sea bottom
LOC39	Depth Unknown

MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION Position Evaluation Code New

Code that reflectst the evaluation of the position accuracy of a Non-submarine contact. Reference STANAG 3715.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PEV1	Accuracy <= 1 nautical mile
PEV2	Accuracy > 1 nautical mile and <= 3 nautical miles
PEV3	Accuracy > 3 nautical miles and <= 5 nautical miles
PEV4	Accuracy > 5 nautical miles and <= 10 nautical miles
PEV5	Accuracy uncertain

MISCELLANEOUS-UNDERWATER-FEATURE-REPRESENTATION Sea Floor Feature Category Code **New**

Code that indicates the type of object or area on the sea floor or below the water surface.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SFC0	Unknown (Obstruction)
SFC10	Unspecified Non-submarine Contact
SFC11	Pinnacle
SFC3	Fish Haven
SFC4	Well
SFC5	Submerged Production Platform
SFC6	Wreckage
SFC7	Shoaling
SFC8	Less Water Reported
SFC9	Unexploded Ordnance
SFC999	Other

MISSILE-SITE-AREA

An area with related facilities for storing and launching missiles.

MISSILE-SITE-AREA Basic Encyclopedia Number **New**

The unique number used to identify the MISSILE-SITE-AREA in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

MISSILE-SITE-AREA Missile Site Code

Class of missile at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MST0	Unknown
MST1	ABM
MST13	MRBM
MST14	SSM
MST15	SAM
MST2	ICBM
MST3	IRBM
MST999	Other

MISSILE-SITE-AREA-REPRESENTATION

A model of a MISSILE-SITE-AREA.

MISSILE-SITE-AREA-REPRESENTATION Highest Z Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 6 **Decimal Count:** 0

Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

MISSILE-SITE-AREA-REPRESENTATION Location Category Code **New**

A code indicating the status of the MISSILE-SITE-AREA-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

MISSILE-SITE-AREA-REPRESENTATION Service Branch Code

Identifies a specific military organization.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU998	Not Applicable

MOAT

A long, wide excavated RESERVOIR with steep banks designed to protect a military strong point.

MOAT-REPRESENTATION

A model of a MOAT.

MOAT-REPRESENTATION Bank Slope Rate

The percentage of inclination of the bank measured from the bottom of the MOAT to ground level.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Percent

MOAT-REPRESENTATION Depth Dimension

The vertical depth from ground level to the bottom of a MOAT.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99.9 **Unit of Measure:** Meters

MOAT-REPRESENTATION Derived Obstacle Height-Depth Code **New**

Categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

MOAT-REPRESENTATION Existence Category Code **New**

The code that indicates the state or condition of the MOAT-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction

MOAT-REPRESENTATION Gap Width Dimension

The gap width of a MOAT-REPRESENTATION.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99999.9 **Unit of Measure:** Meters

MOAT-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the MOAT-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

MOAT-REPRESENTATION Hydrological Category Code **New**

A code indicating the annual water content of the MOAT-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HYC0	Unknown
HYC3	Dry
HYC6	Non-Perennial/Intermittant/Fluctuating
HYC8	Perennial/Permanent

MOAT-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the MOAT-REPRESENTATION. For a round MOAT-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

MOAT-REPRESENTATION Predominant Depth Dimension **New**

The predominant depth within the delineation of the MOAT-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Meter

MOAT-REPRESENTATION Water Characteristic Code **New**

Code indicating the type of available water.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SCC0	Unknown
SCC10	Salt
SCC11	Fresh

MOAT-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the MOAT-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

MOLE

A substantial solid structure that often serves as a BREAKWATER on its outer side and allows vessels to tie up to its inner side.

MONUMENT

A structure erected or maintained as a memorial to a person or event.

MONUMENT-REPRESENTATION

A model of a MONUMENT.

MONUMENT-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

MONUMENT-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

MONUMENT-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

MONUMENT-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

MONUMENT-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC12	Pyramid
SSC17	Spherical (Hemispherical)
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC65	Cylindrical with flat top
SSC66	Cylindrical with domed top
SSC71	Cylindrical/Peaked
SSC77	Arch
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

MONUMENT-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

MOORING-BUOY

A buoy secured to the bottom of the water by permanent moorings, with means for mooring a vessel by use of its anchor chains or mooring lines.

MOORING-BUOY-REPRESENTATION **New**

A model of a MOORING-BUOY.

MOORING-BUOY-REPRESENTATION Buoy Type Code **New**

The code that indicates the type of buoy.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BTC39	Trot
BUT0	Unknown
BUT1	Cardinal
BUT10	Ocean Data Acquisition System (ODAS)
BUT100	Waverider
BUT101	Wave Meter
BUT17	Tanker
BUT2	Float
BUT3	Isolated Danger
BUT35	Articulated Lights
BUT4	Large Navigational Buoy (LANBY)
BUT5	Lateral
BUT6	Light Float
BUT7	Mooring
BUT84	APEX (ARC) Buoy
BUT95	Cardinal West Mark
BUT96	Cardinal South Mark
BUT97	Cardinal East Mark
BUT98	Cardinal North Mark
BUT99	Installation
BUT998	Not Applicable
BUT999	Other

MOORING-BUOY-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the MOORING-BUOY-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS11	Temporary
EXS42	Continuous Operation

MOORING-BUOY-REPRESENTATION Installation Buoy Classification Code **New**

The code that tabulates the various types of installation buoys.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
IBC0	Undefined
IBC1	Catenary Anchor Leg Mooring (CALM)
IBC2	Single Buoy Mooring (SBM)
IBC998	Not Applicable

MOORING-MAST

A tower-like structure used to secure an airship.

MOORING-MAST Guyed Code **New**

Code indicating the presence of support wires.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed
GUG999	Other

MOORING-MAST Identifier

The identifier that represents a specific MOORING-MAST.

Data Type: Character-String **Length:** 35

MOORING-MAST-REPRESENTATION

A model of a MOORING-MAST.

MOORING-MAST-REPRESENTATION Conspicuous Object Code

A code indicating the conspicuous nature of the MOORING-MAST.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

MOORING-MAST-REPRESENTATION Height Dimension

Distance measured from the lowest point of the base of the MOORING-MAST at ground level to the tallest point of the MOORING-MAST.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

MOORING-MAST-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the MOORING-MAST.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meters

MOORING-MAST-REPRESENTATION Length Dimension

The length of the longest-axis of the MOORING-MAST.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

MOORING-MAST-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the MOORING-MAST-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

MOORING-MAST-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 degree) clockwise to the major axis of the feature.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

MOORING-MAST-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the MOORING-MAST-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

MOORING-MAST-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the MOORING-MAST-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC52	'A' Frame
SSC54	'I' Frame
SSC60	Mast
SSC999	Other

MOORING-RING

A metal ring attached to a structure and used to secure a vessel.

MOORING-RING Identifier

The identifier that represents a MOORING-RING.

Data Type: Character-String **Length:** 35

MOORING-RING-REPRESENTATION

A model of a MOORING-RING.

MORAINE

An accumulation of soil and stone debris deposited by a glacier.

MORAINE Identifier

The identifier that represents a MORAINE.

Data Type: Character-String **Length:** 35

MORAINE-REPRESENTATION

A model of a MORAINE.

MORAINE-REPRESENTATION Length Dimension

The linear distance of a MORAINE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

MORAINE-REPRESENTATION Predominant Height Dimension

The average vertical height of the MORAINE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

MORAINE-REPRESENTATION Slope Rate

The maximum percentage of incline from the horizontal plane of the side of the MORAINE-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Percent

MORAINE-REPRESENTATION Width Dimension

A linear distance measured perpendicular to the length of a MORAINE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

MORSE-CODE-AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION

An AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION that transmits audible Morse Code.

MORSE-CODE-AUDIBLE-HYDROGRAPHIC-AID-TO-NAVIGATION Letter Text

The text that describes the alphabetic translation of a MORSE-CODE-AUDIBLE-HYDROGRAPHIC- AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 5

MOUNTAIN-PASS

The highest elevation location of a transportation route through a low place in a mountain range.

MOUNTAIN-PASS Identifier

The identifier that represents a MOUNTAIN-PASS.

Data Type: Character-String **Length:** 35

MOUNTAIN-PASS-REPRESENTATION

A model of a MOUNTAIN-PASS.

MOUNTAIN-PASS-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the MOUNTAIN-PASS-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

MOUNTAIN-PASS-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

MOUNTAIN-PASS-REPRESENTATION Periodic Restriction Code **New**

Restriction due to climate or other limitations.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRC0	Unknown
PRC1	Perennially Open, Not Subject to Ice
PRC16	Closed
PRC2	Subject to Ice
PRC999	Other

MOUNTAIN-PASS-REPRESENTATION Restriction End Code **New**

A code indicating the end of a seasonal MOUNTAIN-PASS restriction.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PR21	Beginning seasonal limit - Jan.
PR210	Beginning seasonal limit - Oct.
PR211	Beginning seasonal limit - Nov.
PR212	Beginning seasonal limit - Dec. Beginning seasonal limit - Dec.
PR22	Beginning seasonal limit - Feb.
PR23	Beginning seasonal limit - Mar.
PR24	Beginning seasonal limit - Apr.
PR25	Beginning seasonal limit - May
PR26	Beginning seasonal limit - Jun.
PR27	Beginning seasonal limit - Jul.
PR28	Beginning seasonal limit - Aug.
PR29	Beginning seasonal limit - Sep.
PR2998	Not Applicable
PRC0	Unknown
PRC1	Perenially Open, Not Subject to Ice
PRC10	Seasonal Limit July
PRC11	Seasonal Limit August
PRC12	Seasonal Limit September
PRC13	Seasonal Limit October
PRC14	Seasonal Limit November
PRC15	Seasonal Limit December
PRC16	Closedq
PRC2	Subject to Ice
PRC4	Seasonal Limit January
PRC5	Seasonal Limit February
PRC6	Seasonal Limit March
PRC7	Seasonal Limit April
PRC8	Seasonal Limit May
PRC9	Seasonal Limit June
PRC999	Other

MOUNTAIN-PASS-REPRESENTATION Restriction Start Code **New**

A code indicating the beginning of a seasonal MOUNTAIN-PASS restriction.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PR!6	Beginning seasonal limit - Jun.
PR11	Beginning seasonal limit - Jan.
PR110	Beginning seasonal limit - Oct.
PR111	Beginning seasonal limit - Nov.
PR112	Beginning seasonal limit - Dec.
PR12	Beginning seasonal limit - Feb.
PR13	Beginning seasonal limit - Mar. Beginning seasonal limit - Mar.
PR14	Beginning seasonal limit - Apr.
PR15	Beginning seasonal limit - May
PR17	Beginning seasonal limit - Jul.
PR18	Beginning seasonal limit - Aug.
PR19	Beginning seasonal limit - Sep.
PR1998	Not Applicable
PRC00	Unknown
PRC04	Seasonal Limit January
PRC05	Seasonal Limit February
PRC06	Seasonal Limit March
PRC07	Seasonal Limit April
PRC08	Seasonal Limit May
PRC09	Seasonal Limit June
PRC1	Perenially Open, Not Subject to Ice
PRC10	Seasonal Limit July
PRC11	Seasonal Limit August
PRC12	Seasonal Limit September
PRC13	Seasonal Limit October
PRC14	Seasonal Limit November
PRC15	Seasonal Limit December
PRC16	Closed
PRC2	Subject to Ice
PRC999	Other

MOVEABLE-BRIDGE-SPAN

A BRIDGE-SPAN that may be repositioned to allow vessels to pass.

MOVEABLE-BRIDGE-SPAN Category Code **New**

The code indicating the type of MOVEABLE-BRIDGE-SPAN.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BSP0	Unknown
BSP1	Truss
BSP10	Slab
BSP11	Arc, closed span
BSP12	Arc, open span
BSP13	Floating bridge, pontoon bridge
BSP14	Culvert
BSP15	Frame structure
BSP16	Vault structure
BSP17	Unspecified fixed
BSP18	Retractable
BSP2	Truss, moveable or swing
BSP3	Plate girder
BSP4	Plate girder moveable as vertical lift
BSP5	Plate girder moveable as draw bridge
BSP6	Plate girder moveable as bascule
BSP7	Stringer, beam
BSP8	Stringer, moveable as vertical lift
BSP9	Stringer, moveable as draw bridge
BSP999	Other

MOVEABLE-BRIDGE-SPAN Opening Mechanism Code **New**

The code that represents the method by which a MOVEABLE-BRIDGE-SPAN is opened.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BOT0	Unknown
BOT10	Swing
BOT11	Lift
BOT12	Retractable
BOT13	Not Applicable
BOT4	Draw/Bascule
BOT999	Other

MULTI-NATIONAL-SECURITY-CLASSIFICATION-SYSTEM

A SECURITY-CLASSIFICATION-SYSTEM managed by a multi-national ORGANIZATION.

NATURAL-AIR-OBSTRUCTION

An existing object of natural growth, or terrain at a fixed location within prescribed area with a reference to which vertical clearance is or must be provided during flight operations.

NATURAL-AREA-REPRESENTATION

New

A model of a natural area set aside for a particular purpose.

NATURAL-AREA-REPRESENTATION Type Code

New

The code indicating the types of NATURAL-AREAs.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AL012	Animal Sanctuary
FA081	Nature Reserve

NATURAL-LAND-COVER

An unimproved area that is not permanently or temporarily covered by water.

NATURAL-LAND-COVER Identifier

The identifier that represents a NATURAL-LAND-COVER.

Data Type: Character-String **Length:** 35

NATURAL-LAND-COVER Type Code

The code that indicates the category of a NATURAL-LAND-COVER.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BH150	Salt Pan
BH160	Sebkha
DA005	Asphalt Lake
DA006	Alkali Flats
DA020	Barren Ground

NATURAL-LAND-COVER-REPRESENTATION

A model of a NATURAL-LAND-COVER.

NATURAL-LAND-COVER-REPRESENTATION Area

The absolute area within the delineation of a NATURAL-LAND-COVER-REPRESENTATION.

Data Type: Integer **Length:** 15 **Decimal Count:** 0
Min Value: 1 **Max Value:** 1e+015 **Unit of Measure:** Square Meters

NATURAL-LAND-COVER-REPRESENTATION Average Width Dimension

The average linear distance of a NATURAL-LAND-COVER-REPRESENTATION measured perpendicular to the length.

Data Type: Integer **Length:** 15 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1e+015 **Unit of Measure:** Meters

NATURAL-LAND-COVER-REPRESENTATION Condition Code

A code indicating the general moisture content or condition of soil.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SWC0	Unknown
SWC1	Dry
SWC2	Moist
SWC3	Wet
SWC4	Frozen/Permafrost
SWC999	Other

NATURAL-LAND-COVER-REPRESENTATION Depth Code

A code indicating the highest average depth to a zone of saturation during the wettest season. (It must be at least 6 inches thick, and persist in the soil for more than a few weeks. In addition, it must not be resting on an impermeable soil or rock layer (a perched water table) nor must it be overlain by an impermeable layer (an artesian water table).

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YWT0	Unknown
YWT1	>0 and <=0.3 Meters
YWT2	>0.3 and <=1.2 Meters
YWT3	>1.2 Meters
YWT4	At ground surface

NATURAL-LAND-COVER-REPRESENTATION Description Code

A code that describes the characteristics of the surface that may be used for mobility prediction, construction material, and landing sites.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SRD0	Unknown
SRD1	No surface roughness effect
SRD11	Surface of numerous cobbles and boulders
SRD12	Areas of stony terrain
SRD13	Stony soil with surface rock
SRD14	Stony soil with scattered boulders
SRD15	Stony soil with numerous boulders
SRD16	Numerous boulders
SRD17	Numerous rock outcrops
SRD18	Areas of scattered boulders
SRD19	Talus slope
SRD2	Area of high landslide potential
SRD20	Boulder Field
SRD31	Highly fractured rock surface
SRD32	Weathered lave flows
SRD33	Unweathered lava flows
SRD34	Stony soil with numerous rock outcrops
SRD35	Irregular surface with deep fractures of foliation
SRD36	Rugged terrain with numerous rock outcrops
SRD37	Rugged bedrock surface
SRD43	Highly distorted area, sharp rocky ridges
SRD51	Stony soil cut numerous gullies
SRD52	Moderately dissected terrain
SRD53	Moderately dissected terrain with scattered rock outcrops
SRD54	Dissected flood plain
SRD55	Highly dissected terrain
SRD56	Area with deep erosional gullies
SRD57	Steep, rugged, dissected terrain with narrow gullies
SRD58	Karst areas of numerous sinkholes and solution valleys
SRD59	Karst area of numerous sinkholes
SRD60	Karst/hummock terrain covered with large conical hills
SRD61	Karst/hummock terrain covered with low, broad-based mounds
SRD62	Arroyo/wadi/wash
SRD63	Playa/dry lake
SRD64	Area of numerous meander scars and/or oxbow lakes
SRD65	Solifluction lobes and frost scars
SRD66	Hummock ground, areas of frost heaving
SRD67	Area of frost polygons
SRD68	Area containing sabkhas

SRD69	Area of numerous small lakes and ponds
SRD70	Area of numerous crevasses
SRD81	Area of numerous terraces
SRD82	Quarries
SRD83	Strip mines
SRD84	Quarry/gravel pit
SRD85	Quarry/gravel pit
SRD86	Mine tailings/waste piles
SRD87	Salt evaporators
SRD88	Area of numerous dikes
SRD89	Area of numerous diked fields
SRD90	Area of numerous fences
SRD91	Area of numerous stone walls
SRD92	Area of numerous man-made canals/drains/ditches
SRD93	Area of numerous terraced fields
SRD94	Parallel earthen mounds (row crops)
SRD95	Area of numerous hedgerows
SRD999	Other (NOT IN FACC)

NATURAL-LAND-COVER-REPRESENTATION Material Code

The primary material composition of a NATURAL-LAND-COVER-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	**Domain Value Definition**
MCC000	Unknown
MCC008	Boulders
MCC084	Rock
MCC103	Snow/Ice
MCC104	Soil
MCC999	Other

NATURAL-LAND-COVER-REPRESENTATION Soil Type Code

A code indicating the type of soil as defined by the Unified Soil Classification System.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
STP0	Unknown
STP1	GW Well graded gravels or gravel-sand mixtures, little or no fines.
STP10	CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
STP11	OL Organic silts and organic silty clays.
STP12	CH Inorganic clays of high plasticity, fat clays.
STP13	MH Inorganic silts, micaceous or diatomaceous.
STP14	OH Organic clays of medium to high plasticity, organic silts.
STP15	PT Peat and other highly organic soils.
STP17	ML-CL Soil type having both ML and CL characteristics
STP18	Evaporites
STP2	GP Poorly graded gravels or gravel-sand mixtures, little or no fines.
STP3	GM Silty gravels, gravel-sand-silt mixtures.
STP4	GC Clayey gravels, gravel-sand-clay mixtures.
STP5	SW Well graded sand or gravelly sands, little or no fines.
STP6	SP Poorly graded sands or gravelly sands, little or no fines.
STP7	SM Silty sands, sand-silt mixtures
STP8	SC Clayey sands, sand-clay mixtures.
STP9	ML Inorganic silts and very fine sands, rock floor, silty or clayey fine sands or clayey with slight plasticity.
STP99	Not Evaluated
STP999	Other

NATURAL-LAND-COVER-REPRESENTATION Text

Narrative or other description of a NATURAL-LAND-COVER-REPRESENTATION.

Data Type: Character-String **Length:** 256

NAVAL-MINE

An explosive device used in naval warfare located on or below the sea.

NAVAL-MINE Identifier

The identifier that represents a naval mine.

Data Type: Character-String **Length:** 35

NAVAL-MINE Mine Actuation Classification Code

Defines subsidiary mine actuation classifications and tabulates the Mine Actuation types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MNA1	Classif. of mine actuation controlled (MNC)
MNA2	Classif. of mine actuation independent (MNI)
MNA3	Mine actuation no information

NAVAL-MINE Mine Actuation Controlled Cableless Classification Code

Tabulates the types of cableless controlled methods and classification.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MNL1	Frequency Communications Link
MNL2	Explicit Communications lLink
MNL3	Alternating Current Communications Link

NAVAL-MINE Mine Actuation Controlled Classification Code

Defines subsidiary mine actuation classification controlled methods and classification.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MNC1	Mine actuation controlled cable
MNC2	Classif. of mine actuation controlled cableless (MNL)

NAVAL-MINE Mine Actuation Independent Classification Code

Defines subsidiary mine actuation independent classifications.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MNI1	Classif. of mine actuation independent contact (MIC)
MNI2	Classif. of mine actuation independent influence (MII)
MNI3	Classif. of mine actuation independent other (MIO)

NAVAL-MINE Mine Actuation Independent Contact Classification Code

Mine Actuation Independent Contact Classification.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MIC1	Plain
MIC2	Snagline
MIC3	Antenna

NAVAL-MINE Mine Actuation Independent Influence Acoustic Classification Code

Tabulates mine actuation independent influence acoustic types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MIA1	Low frequency
MIA2	Audio frequency
MIA3	High frequency
MIA4	Multiple frequency

NAVAL-MINE Mine Actuation Independent Influence Classification Code

Defines subsidiary mine actuation independent influence classifications and tabulates mine actuation independent influence types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MII1	Pressure
MII2	Combined
MII3	Classification of mine actuation independent influence magnetic (MIM)
MII4	Classification of mine actuation independent influence acoustic (MIA)

NAVAL-MINE Mine Actuation Independent Influence Magnetic Classification Code

Tabulates mine actuation independent influence magnetic types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MIM1	Sensitive
MIM2	Mid-sensitive
MIM3	Course

NAVAL-MINE Mine Actuation Independent Other Classification Code

Tabulates mine actuation, independent of other types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MIO1	Electric Fields
MIO2	Laser Sensors
MIO3	Seismic
MIO4	Cosmic ray
MIO5	Infra red
MIO6	Redistribution
MIO7	Velocity field
MIO999	Other

NAVAL-MINE Mine Identity Classification Code

Tabulates mine identity attributes.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MID2	Friend
MID3	Hostile
MID4	Neutral

NAVAL-MINE Mine Position Classification Code

Defines subsidiary mine position classifications and tabulates mine position types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MPC1	Classif. of mine position ground (MPG)
MPC2	Classif. of mine position moored (MPM)
MPC3	Classif. of mine position other (MPO)
MPC4	Mine position no information

NAVAL-MINE Mine Position Ground Classification Code

Tabulates ground mine charge size.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MPG1	<= 500 kg/charge
MPG2	> 500 kg

NAVAL-MINE Mine Position Moored Classification Code

Tabulates mine moored position types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MPM1	Deep Moored
MPM2	Short tethered

NAVAL-MINE Mine Position Other Classification Code

Tabulates other mine position types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MPO1	Drifting
MPO2	Oscillating
MPO3	Creeping
MPO4	Mobile
MPO5	Homing
MPO6	Rising
MPO7	Bouquet
MPO8	Active

NAVAL-MINE Mine Special Information Classification Code

Defines subsidiary mine special information classifications.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MSI1	Classification of mine special info usefulness (MSU)
MSI2	Classification of mine special info special mine types (MMT)
MSI3	Classif. of mine special info special devices (MSD)

NAVAL-MINE Mine Special Information Special Devices Anti-Hunting Classification Code

Tabulates mine special information special devices anti-hunting types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MSH1	Anechoic coating
MSH2	Automatic mine burial
MSH3	Irregular shaping
MSH4	Acoustic impedance
MSH5	Acoustic transparency
MSH6	Non-metallic case
MSH7	Sonar decoys
MSH999	Other

NAVAL-MINE Mine Special Information Special Devices Anti-Recovery Classification Code

Tabulates mine special information special devices anti-recovery types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MSR1	Switch
MSR2	Mooring level switch
MSR3	Stripping equipment
MSR999	Other

NAVAL-MINE Mine Special Information Special Devices Anti-Sweep Wire Classification Code

Tabulates mine special information special devices anti-sweep wire types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MSW1	Chain moorings
MSW2	Sprocket
MSW3	Grapnel
MSW4	Cutters
MSW5	Sensitive Tubing
MSW999	Other

NAVAL-MINE Mine Special Information Special Devices Classification Code

Tabulates mine special information special devices types and subsidiary mine special information special devices classifications.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MSD1	Arming delay
MSD10	Classif. -mine special info special devices anti-recovery (MSR)
MSD11	Classif. -mine special info special devices anti-hunting (MSH)
MSD2	Ship count
MSD3	Intermittent arming
MSD4	Delayed rising
MSD5	Obstructers
MSD6	Sterilizers
MSD7	Flooders
MSD8	Anti-watching
MSD9	Classif. -mine special info special devices anti-sweep wire (MSW)

NAVAL-MINE Mine Special Information Special Mine Types Classification Code

Tabulates mine special information special mine types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MMT1	Anti-sweeper
MMT2	Anti-hunter
MMT3	Anti-hovercraft
MMT4	Drill
MMT5	Explosive filled
MMT6	Exercise filled
MMT7	Exercise
MMT8	Practice
MMT9	Disposal Charge

NAVAL-MINE Mine Special Information Usefulness Classification Code

Tabulates mine special information usefulness types.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MSU1	General purpose ground
MSU2	Deep water
MSU3	Medium depth anti-submarine
MSU4	Continental shelf
MSU5	Maritime anti-invasion
MSU6	Anti-surface effect vehicle

NAVAL-MINE Mine Status Classification Code

Tabulates types of mine status.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MSC1	Afloat
MSC10	Removed
MSC2	Sunk
MSC3	Disposed
MSC4	Fouled
MSC5	Exploded
MSC6	Countermined
MSC7	Neutralized
MSC8	Rendered safe
MSC9	Recovered

NAVAL-MINE Mine Track Identifier

Mine track number.

Data Type: Integer **Length:** 4 **Decimal Count:** 0

Min Value: 0 **Max Value:** 9999 **Unit of Measure:** None

NAVAL-MINE-REPRESENTATION

A model of an explosive device used in naval warfare located on or below the sea.

NAVAL-MINE-REPRESENTATION Hydrographic Depth Dimension

The depth of the feature below water, measured from the top or surface of the feature, referenced to a specified vertical datum. Recorded values are positive numbers.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: -20 **Max Value:** 400 **Unit of Measure:** Meters

NAVAL-MINE-REPRESENTATION Location Category Code

Status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC15	On Water Surface/Floating
LOC17	Sunken/On sea bottom
LOC23	Below Sea Bottom
LOC24	Suspended or Elevated above sea bottom
LOC39	Depth Unknown

NODE

A zero dimensional topological primitive that defines topological relationships.

NODE-EDGE

The association of a NODE and an EDGE.

NODE-EDGE Terminal Type Code

The code that represents the terminal Node of an Edge.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	EDGE-STARTING-NODE
2	EDGE-ENDING-NODE

NON-DECKED-BERTHING-STRUCTURE

A BERTHING-STRUCTURE without a horizontal surface that facilitates ship to shore transfers.

NON-DECKED-BERTHING-STRUCTURE Type Code

The code that represents the type of NON-DECKED-BERTHING-STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
3	BUOY-TRANSFER-BERTH
BTC7	MOORING-BUOY
MWF2	DOLPHIN

NON-DIRECTIONAL-AERONAUTICAL-NAVIGATIONAL-AID

An AERONAUTICAL-NAVIGATIONAL-AID that does not use slaved variation.

NUCLEAR-POWER-PLANT

A power plant that exploits nuclear reactions to create steam to drive turbine generators.

NUNATAK

A rocky peak projecting above a surrounding ice field that may be perpetually covered with ice.

NUNATAK Ice Coverage Code

A code to indicate whether a NUNATAK is perpetually covered with ice.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Partial ice coverage
2	No ice coverage

NUNATAK Identifier

The identifier that represents a NUNATAK.

Data Type: Character-String **Length:** 35

NUNATAK-REPRESENTATION

A model of NUNATAK.

NUNATAK-REPRESENTATION Conspicuous Category Code

Indicates whether or not an NUNATAK is conspicuously visible from afar.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

NUNATAK-REPRESENTATION Height Above Surface Dimension

The distance measured from the lowest point of the base at ground or water level to the tallest point of the NUNATAK-REPRESENTATION.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Meters

NUNATAK-REPRESENTATION Highest Z Value Dimension

Elevation above a given datum to the highest portion of the NUNATAK.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

NUNATAK-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the NUNATAK-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC103	Snow/Ice
MCC84	Rock/Rocky

OASIS-REPRESENTATION

A model of a small, isolated, fertile or green area usually having a spring or well.

OBSERVATION-AIRCRAFT-PLATFORM

An AIRCRAFT used as an OBSERVATION-PLATFORM.

OBSERVATION-AUTONOMOUS-PLATFORM

A fixed structure from which sensor readings are made.

OBSERVATION-PERSON-PLATFORM

A PERSON used as an OBSERVATION-PLATFORM.

OBSERVATION-PLATFORM

A platform from which an observation was taken.

OBSERVATION-PLATFORM Identifier

The unique identifier that represents an OBSERVATION-PLATFORM.

Data Type: Character-String **Length:** 20

OBSERVATION-PLATFORM Type Code

The code that denotes the type of OBSERVATION-PLATFORM.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
A	Aircraft
AU	Autonomous
B	Buoy
FS	Fixed Weather Station
GS	Geophysical Satellite
MV	Mobile Terrain Vehicles
P	Person
S	Ship
T	Meteorological Observation Tower

OBSERVATION-SATELLITE-PLATFORM

A satellite used as an OBSERVATION-PLATFORM.

OBSERVATION-SHIP-PLATFORM

A ship used as an OBSERVATION-PLATFORM.

OFFSHORE-LOADING-PLATFORM

An OFFSHORE-PLATFORM for loading and unloading cargo.

OFFSHORE-LOADING-PLATFORM-REPRESENTATION **New**

A model of an OFFSHORE-LOADING-PLATFORM.

OFFSHORE-LOADING-PLATFORM-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the OFFSHORE-LOADING-PLATFORM-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS28	Operational
EXS5	Under Construction

OFFSHORE-LOADING-PLATFORM-REPRESENTATION Light Characteristic Category Code **New**

The code that indicates the sequence, grouping, and distinctive character of a light.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
CHA21	Lighted
CHA23	Unlighted

OFFSHORE-LOADING-PLATFORM-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the OFFSHORE-LOADING-PLATFORM-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC15	Solid/Filled
SSC46	Open

OFFSHORE-LOADING-PLATFORM-REPRESENTATION Usage Code **New**

A code indicating the the primary user of the OFFSHORE-LOADING-PLATFORM-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE133	Single Point Mooring
USE999	Other

OFFSHORE-PLATFORM

A fixed raised surface located in open water.

OFFSHORE-PLATFORM Identifier

The identifier that represents an OFFSHORE-PLATFORM.

Data Type: Character-String **Length:** 35

OFFSHORE-PLATFORM Type Code

The code that represents the type of OFFSHORE-PLATFORM.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
OLP	OFFSHORE-LOADING-PLATFORM

OFFSHORE-PLATFORM-REPRESENTATION

A model of an OFFSHORE-PLATFORM.

OFFSHORE-PLATFORM-REPRESENTATION Available Facilities Code **New**

The code that identifies the facilities available at or in the near vicinity.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AFA0	Unknown
AFA19	Helipad
AFA995	None
AFA999	Other

OFFSHORE-PLATFORM-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the OFFSHORE-PLATFORM-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

OFFSHORE-PLATFORM-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the OFFSHORE-PLATFORM-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

OFFSHORE-PLATFORM-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the OFFSHORE-PLATFORM-REPRESENTATION. For a round OFFSHORE-PLATFORM-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

OFFSHORE-PLATFORM-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the OFFSHORE-PLATFORM-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC21	Concrete
MCC64	Metal
MCC72	Part Metal
MCC999	Other

OFFSHORE-PLATFORM-REPRESENTATION Navigation System Type Code **New**

The code that indicates the type of equipment or system used in electronic navigation (primary system).

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
NST0	Unknown
NST10	Radar Responder Beacon (RACON)
NST52	None
NST54	Ramark (Ramark)
NST999	Other

OFFSHORE-PLATFORM-REPRESENTATION Offshore Platform Classification Code **New**

The code that tabulates the type of offshore platform.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OPC0	Undefined
OPC1	Oil derrick/rig
OPC2	Production Platform
OPC3	Observation/Research Platform
OPC4	Articulated Loading Platform (ALP)
OPC6	Mooring Tower
OPC7	Artificial Island

OFFSHORE-PLATFORM-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

OFFSHORE-PLATFORM-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the OFFSHORE-PLATFORM-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

OFFSHORE-PLATFORM-REPRESENTATION Predominant Feature Height Dimension **New**

Predominant height within delineation of OFFSHORE-PLATFORM-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

OFFSHORE-PLATFORM-REPRESENTATION Sound Signal Type Code **New**

The code indicating the type of audible signal.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SST0	Unknown
SST1	Bell
SST14	Whistle
SST15	Reed
SST16	None
SST2	Diaphone
SST3	Explosive Fog Signal
SST4	Gong
SST6	Horn
SST7	Nautophone
SST9	Siren
SST999	Other

OFFSHORE-PLATFORM-REPRESENTATION Source Category Code **New**

The code indicating the source from which the OFFSHORE-PLATFORM-REPRESENTATION is captured or upgraded.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
STC1	Survey Source
STC2	Stereo Imagery Exploitation
STC3	Mono Imagery Exploitation
STC4	Cartographic Source
STC5	Reported Information

OFFSHORE-PLATFORM-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the OFFSHORE-PLATFORM-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal

OFFSHORE-PLATFORM-REPRESENTATION Type Code **New**

The code that indicates the type of OFFSHORE-LOADING-PLATFORM-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Offshore Loading Platform Representation

OFFSHORE-PLATFORM-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the OFFSHORE-PLATFORM-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

OIL-BARRIER-REPRESENTATION

A construction to dam oil flow on water.

OIL-GAS-FIELD

An area where oil and/or gas is pumped or otherwise removed from the ground.

OIL-GAS-FIELD Identifier

The identifier that represents an OIL-GAS-FIELD.

Data Type: Character-String **Length:** 35

OIL-GAS-FIELD Text

Narrative text or description of an OIL-GAS-FIELD.

Data Type: Character-String **Length:** 255

OIL-GAS-FIELD-REPRESENTATION **New**

A model of an OIL-GAS-FIELD.

ORGANIZATION

An administrative structure with a mission.

ORGANIZATION Administrative Loss Rate

The actual rate of personnel attrition applicable to an ORGANIZATION.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

ORGANIZATION Category Code

The code that represents a classification of an ORGANIZATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Government
B	Private Sector Organization
C	Sovereign Body

ORGANIZATION Classification Code

The code that represents a categorization of an ORGANIZATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	Non Uniformed Service
U	Uniformed Service

ORGANIZATION Description Text

The text describing an ORGANIZATION.

Data Type: Character-String **Length:** 999

ORGANIZATION Duration Type Code

The code that represents a specific kind of time frame associated with an ORGANIZATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Permanent Organization
B	Temporary Organization

ORGANIZATION Enterprise Type Code

The code that denotes the kind of enterprise undertaken by an ORGANIZATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Business Enterprise

ORGANIZATION Friend Foe Code

The code that denotes whether a specific ORGANIZATION is friendly.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	friend
2	foe
3	not known
4	neutral
5	not specified

ORGANIZATION Identifier

The identifier that denotes an administrative structure with a mission.

Data Type: Character-String **Length:** 15

ORGANIZATION Name

The name of an administrative structure.

Data Type: Character-String **Length:** 255

ORGANIZATION Primary Activity Code

The code that represents the principal business function of an ORGANIZATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Education
B	Finance
C	Health
D	Management Support
E	Taxation
F	Technology Support
G	Manpower
H	Personnel
I	Training
J	Combat
K	Supply
L	Construction
M	Engineering

ORGANIZATION Primary Industry Category Code

The code that represents a classification of the principal business area of an ORGANIZATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Manufacturing Industry
B	Service Industry

ORGANIZATION Type Code

The code that represents a kind of ORGANIZATION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	United States Federal Government
02	United States State Government
03	United States City Government
04	United States County Government
05	Foreign Government
06	Private Sector

ORGANIZATION Vendor Indicator Code

A code that indicates that the ORGANIZATION is a vendor.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No, the ORGANIZATION is not a vendor.
Y	Yes, the ORGANIZATION is a vendor.

ORGANIZATION-ACRONYM **New**

A shorthand version of an ORGANIZATION name created by using one or more of the initial letters of each word of the name.

ORGANIZATION-ACRONYM Text **New**

The text that is a short form of the ORGANIZATION's title.

Data Type: Character-String **Length:** 50

ORGANIZATION-AGREEMENT

An association between an ORGANIZATION and an AGREEMENT.

ORGANIZATION-ALTERNATE-DESIGNATOR

Information about alternate methods for describing ORGANIZATIONs.

ORGANIZATION-ALTERNATE-DESIGNATOR Context Text

The text that provides the contextual information for a ORGANIZATION-ALTERNATE-DESIGNATOR.

Data Type: Character-String **Length:** 255

ORGANIZATION-ALTERNATE-DESIGNATOR Type Code

The code that represents a kind of alternate labeling of an ORGANIZATION for identification purposes.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Defense Medical Information System Identification
02	Unit ID Code
03	Producer

ORGANIZATION-ALTERNATE-DESIGNATOR Value Text

The text describing the value of the alternate designator for the ORGANIZATION.

Data Type: Character-String **Length:** 100

ORGANIZATION-ASSOCIATION

An association of an ORGANIZATION with another ORGANIZATION.

ORGANIZATION-ASSOCIATION Identifier

The identifier that represents a specific ORGANIZATION-ASSOCIATION.

Data Type: Character-String **Length:** 10

ORGANIZATION-COUNTRY

The association of a specific COUNTRY with a specific ORGANIZATION.

ORGANIZATION-LICENSE

The association of an ORGANIZATION to a specific LICENSE.

ORGANIZATION-LICENSE Role Code

The code that represents the role of an ORGANIZATION-LICENSE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Licensee
2	Licensor

ORGANIZATION-RELEASE-CONSTRAINT

A type of DATASET-RESTRICTION-RELEASE-CONSTRAINT that applies to a particular ORGANIZATION.

OVERRUN

A defined area that is centered on and attached to the end of a RUNWAY, designed to support an aircraft.

OVERRUN-REPRESENTATION

A model of a defined area that is centered on and attached to the end of a RUNWAY, designed to support an aircraft.

OVERRUN-REPRESENTATION Area **New**

The absolute area within the delineation of the OVERRUN-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

OVERRUN-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the OVERRUN-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS62	Partially Destroyed
EXS66	Damaged
EXS7	Destroyed
EXS999	Other

OVERRUN-REPRESENTATION Length Dimension

The length of the runway overrun.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

OVERRUN-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the OVERRUN-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

OVERRUN-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the OVERRUN-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC107	Steel
SMC16	Clay
SMC20	Composition
SMC21	Concrete
SMC22	Conglomerate
SMC24	Coral
SMC257	Ice
SMC258	Snow
SMC30	Earthen
SMC46	Gravel
SMC5	Asphalt
SMC64	Metal
SMC83	Reinforced Concrete
SMC9	Brick
SMC999	Other

OVERRUN-REPRESENTATION Surface Type Code **New**

Code indicating the physical surface composition of a road or runway.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RST0	Unknown
RST1	Hard/Paved
RST2	Loose/Unpaved
RST5	Grass/Sod (Soft)
RST6	Natural
RST999	Other

OVERRUN-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the OVERRUN-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0

Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

OYSTER-MUSSEL-BED-REPRESENTATION

A model of a place in shallow water where oysters and mussels breed and may be cultivated.

PACK-ICE

An area of ice formed by the drifting and crushing together of floating pieces of ice.

PACK-ICE Category Code

A code indicating whether PACK-ICE is permanently or seasonally restricted.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Permanent pack ice
2	Seasonal pack ice
DOS	

PARACHUTE-JUMP-AREA

An area designated for the descent of a person/equipment, when he intends to use, or uses a parachute during all or part of that descent.

PARACHUTE-JUMP-AREA Operating Times Code

A code used to indicate the operating times of the PARACHUTE-JUMP-AREA.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
OPT0	Unknown, by NOTAM
OPT1	Daytime (Sunrise/Sunset)
OPT10	Weekdays
OPT2	Night use
OPT3	Continuous
OPT6	Occasional (call tower)
OPT7	Conditional (see hours)
OPT8	Weekends
OPT9	Holidays
OPT999	Other, see appropriate area planning book

PARK

New

An area used for recreational or ornamental purposes.

PARK Usage Code **New**

A code indicating the the primary user of the PARK.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE16	City
USE33	Provincial
USE37	Interstate
USE4	National
USE5	State
USE6	Private
USE999	Other

PARTICLE-ACCELERATOR

An apparatus for imparting high velocities to charged particles.

PARTICLE-ACCELERATOR-REPRESENTATION

A model of a PARTICLE-ACCELERATOR.

PASSAGEWAY

An open way facilitating movement on land.

PASSAGEWAY Identifier

The identifier that represents a PASSAGEWAY.

Data Type: Character-String **Length:** 35

PASSAGEWAY-CONSTRICTION-REPRESENTATION-SEGMENT

A section of a model of a PASSAGEWAY delineated by variances in constrictions to the PASSAGEWAY.

PASSAGEWAY-CONSTRICTION-REPRESENTATION-SEGMENT Category Code **New**

The code indicating the type of constriction or expansion found in the PASSAGEWAY.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CCA0	Unknown
CCA1	Gateway
CCA2	A narrow pass between rocks
CCA3	Road siding on narrow roads
CCA4	A passage through a building
CCA999	Other

PASSAGEWAY-MINIMUM-TRAVELED-WAY-WIDTH-REPRESENTATION-SEGMENT

A section of a model of a PASSAGEWAY delineated by variances in the width of the traveled way.

PASSAGEWAY-MINIMUM-TRAVELED-WAY-WIDTH-REPRESENTATION-SEGMENT Dimension

Minimum width of the PASSAGEWAY, excluding hard pavements and shoulders.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

PASSAGEWAY-OVERHEAD-CLEARANCE-REPRESENTATION-SEGMENT

A section of a model of a PASSAGEWAY delineated by variances in the overhead clearance.

PASSAGEWAY-OVERHEAD-CLEARANCE-REPRESENTATION-SEGMENT Dimension

The least distance between the traveled way and any obstruction in the PASSAGEWAY vertically above it.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

PASSAGEWAY-REPRESENTATION

A model of a PASSAGEWAY.

PASSAGEWAY-REPRESENTATION Transportation Use Code **New**

Identifies the primary user, function, or authority of the transportation system.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC3	Railroad
TUC4	Road

PASSAGEWAY-REPRESENTATION-SEGMENT

A section of a model of a PASSAGEWAY -that is defined by a particular characteristic.

PASSAGEWAY-REPRESENTATION-SEGMENT Characteristic Type Code

The code that represents the specific characteristic that delimits a PASSAGEWAY-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	CONSTRICTION
2	MINIMUM TRAVELED WAY WIDTH
3	OVERHEAD CLEARANCE
4	USABLE WIDTH
5	WIDTH

PASSAGEWAY-REPRESENTATION-SEGMENT Length Dimension **New**

A measurement of the longer of two linear axes of the PASSAGEWAY-REPRESENTATION-SEGMENT. For a round PASSAGEWAY-REPRESENTATION-SEGMENT, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

PASSAGEWAY-USABLE-WIDTH-REPRESENTATION-SEGMENT

A section of a model of a PASSAGEWAY delineated by variances in the usable width .

PASSAGEWAY-USABLE-WIDTH-REPRESENTATION-SEGMENT Dimension

Total usable width of the PASSAGEWAY including any pavements and hard shoulders.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Decimeters

PASSAGEWAY-WIDTH-REPRESENTATION-SEGMENT

A section of a model of a PASSAGEWAY delineated by variances in the width.

PASSAGEWAY-WIDTH-REPRESENTATION-SEGMENT Dimension

The length of the shorter of the two axes of a PASSAGEWAY.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Decimeters

PASSIVE-VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION

A HYDROGRAPHIC-AID-TO-NAVIGATION reflecting information in the visual spectrum detectable by the human eye.

PASSIVE-VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION Color Code

The code that represents the color of a PASSIVE-VISUAL- HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CCC0	Unknown
CCC1	Black
CCC12	Red
CCC14	Violet
CCC15	White
CCC19	Yellow
CCC2	Blue
CCC20	Red & White
CCC21	Red & Green
CCC22	Red & Black
CCC23	Red-Green-Red
CCC24	Green & White
CCC25	Green & Red
CCC26	Green & Black
CCC27	Green-Red-Green
CCC28	Green-Yellow-Black
CCC29	Yellow & Black
CCC3	Brown
CCC30	Yellow-Black-Yellow
CCC31	Yellow & Red
CCC32	Yellow & Green
CCC33	Yellow-Red-White
CCC34	Black & Yellow
CCC35	Black-Yellow-Black
CCC36	Black-Red-Black
CCC37	Black & White
CCC38	Black & Red
CCC39	Black & Green
CCC4	Gray
CCC40	White & Red
CCC41	White & Orange
CCC42	White & Green
CCC43	White & Black
CCC44	White & Yellow
CCC45	White-Red-Green
CCC46	White-Green-White
CCC5	Green
CCC9	Orange

PASSIVE-VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION Pattern Code

The code that represents the arrangement of colors on a PASSIVE-ELECTRONIC-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PAT1	Checkered
PAT2	Diagonal Stripe
PAT3	Single Color
PAT4	Horizontal Bands
PAT6	Vertical Stripe

PASSIVE-VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION Topmark Shape Code

The code that represents the shape of the topmark of a VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TMC0	Unknown
TMC19	Diamond (Open)
TMC21	Cone, Point Up (Open)
TMC22	Cone, Point Downward (Open)
TMC23	Upright Cross
TMC25	Can (Open)
TMC26	Can (Filled)
TMC27	Ball (Open)
TMC28	Ball (Filled)
TMC29	Can Over Ball (Open)
TMC3	Double Cone, Points Upward (Filled)
TMC30	Cross Over Ball (Filled)
TMC31	Diamond Over Ball (Filled)
TMC32	Double Cone, Points Apart (Open)
TMC33	None
TMC34	Cone, Point up (Filled)
TMC35	Double Ball (Filled)
TMC36	Double Cone, Points Apart (Filled)
TMC37	Double Cone, Points Together (Filled)
TMC38	Diamond (Filled)
TMC39	Cone, Point Up, Over Ball (Open)
TMC40	Cone, Point Up, Over Ball (Filled)
TMC41	Ball Over Cone, Point Up (Open)
TMC42	Ball Over Cone, Point Up (Filled)
TMC43	Broom
TMC44	'T'
TMC45	Double Ball (Open)
TMC6	'X'
TMC8	Double Cone, Points Downward (Filled)

PEDESTRIAN-WALKWAY

A type of ROAD designed to support the passage of pedestrians.

PENSTOCK

An INLAND-WATER-CONTROL-STRUCTURE used by hydroelectric plants to transport water by gravity or pressure.

PENSTOCK-DAM

The association of a specific PENSTOCK with a specific DAM.

PENSTOCK-REPRESENTATION **New**

A model of a PENSTOCK.

PENSTOCK-REPRESENTATION Location Category Code **New**

A code indicating the status of the PENSTOCK-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

PENSTOCK-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the PENSTOCK-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

PENSTOCK-REPRESENTATION Surface Reference Code **New**

The code that represents the position of a PENSTOCK relative to the Earth's surface.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC4	Below Surface/Submerged
LOC8	On Ground Surface

PERMANENT-ICE **New**

A type of ice that exists year-round.

PERMANENT-ICE-REPRESENTATION

New

A model of permanent ice.

PERMANENT-ICE-REPRESENTATION Area Dimension

New

The absolute area within the delineation of a PERMANENT-ICE-REPRESENTATION.

Data Type:	Integer	**Length:**	10	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999999	**Unit of Measure:**	Square Meters

PERMANENT-ICE-REPRESENTATION Length Dimension

New

The linear distance of a PERMANENT-ICE-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

PERMANENT-ICE-REPRESENTATION Predominant Height Dimension

New

The average vertical height of the PERMANENT-ICE-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

PERSON

A human being.

PERSON Birth Date

The date when a human being was born.

Data Type:	Date	**Length:**	8	**Decimal Count:**	0
Min Value:	17760101	**Max Value:**	99991231	**Unit of Measure:**	None

PERSON Description Text

The text of a characterization of a person.

Data Type:	Character-String	**Length:**	240

PERSON Ethnic Affinity Code

The code that represents a cultural background with which a person identifies.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AA	Asian American (for use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AB	Chinese (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AC	Filipino (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry)
AD	Guamanian (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AE	Hawaiian (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry)
AF	Japanese (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AG	Korean (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AH	Samoan (For use by military personeel reporting requirements, office of personnel management requirements (in Hawaii only), and automated central tumor registry only)
AI	Vietnamese (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AJ	Other Asian Descent (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AK	Mexican (For use by military personnel reporting requirements and automated central tumor registry only)
AL	Puerto Rican (For use by military personnel reporting requirements and automated central tumor registry only)
AM	Cuban (For use by military personnel reporting requirements and automated central tumor registry only)
AN	Latin American (For use by military personnel reporting requirements only)
AO	Other Hispanic Descent (For use by military personnel reporting requirements only)
AP	Aleut (For use by military personnel reporting requirements and automated central tumor registry)
AQ	Eskimo (For use by military personnel reporting reporting requirements and automated central tumor registry)
AR	U.S./Canadian Indian Tribes (For use by military personnel reporting requirements only)

AS	Melanesian (For use by military personnel reporting requirements and automated central tumor registry)
AT	Micronesian (For use by military personnel reporting requirements and automated central tumor registry only)
AU	Polynesian (For use by military personnel reporting requirements and automated central tumor registry only)
AV	Other Pacific Island Descent (For use by military personnel reporting requirements, office of personnel management reporting requirements (in Hawaii only), and automated central tumor registry only)
AW	Laotian (For use by automated central tumor registry only)
AX	Hmong (For use by automated central tumor registry only)
AY	Kampuchean (Cambodian) (For use by automated central tumor registry only)
AZ	Thai (For use by automated central tumor registry only)
BA	Chamorran (For use by automated central tumor registry only)
BB	Tahitian (For use by automated central tumor registry only)
BC	Tongan (For use by automated central tumor registry only)
BD	Fiji Islander (For use by automated central tumor registry only)
BE	New Guinean (For use by automated central tumor registry only)
BF	South or Central American (Except Brazil) (For use by military personnel reporting requirements and automated central tumor registry)
BG	Other (For use by military personnel reporting requirements and automated central tumor registry only)
BH	None - Not associated with any particular ethnic affinity (For use by military personnel reporting requirements only)
ZZ	Unknown (For use by military personnel reporting requirements and automated central tumor registry only)

PERSON Eye Color Code

The code that represents the natural pigmentation of a PERSON's iris.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
BK	Black
BL	Blue
BR	Brown
GR	Green
GY	Gray
HZ	Hazel
VI	Violet

PERSON Friend Foe Code

The code that denotes whether a specific person is friendly.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Friend
2	Foe
3	Not Known
4	Neutral
5	Not Specified

PERSON Hair Color Code

The code that represents the natural pigmentation of a person's scalp hair.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AU	Auburn
BK	Black
BN	Blond
BR	Brown
GY	Gray
RD	Red
WH	White

PERSON Height Dimension

The dimension of the overall body length established for a PERSON.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** Inches

PERSON Hispanic Declaration Code

The code that denotes whether a person professes to be of Spanish heritage.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Hispanic Origin
2	Not of Hispanic Origin

PERSON Identifier

The identifier that represents a PERSON.

Data Type: Character-String **Length:** 10

PERSON Status Code

The code that represents a condition relevant to a PERSON.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Living Person
B	Deceased Person
C	Unknown

PERSON Usual Weight

The weight of a person maintained over an extended period of time.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999 **Unit of Measure:** Pounds

PERSON-ADDRESS

Information about the addresses of a person.

PERSON-ADDRESS Begin Date

The date when an association between a PERSON and an ADDRESS starts.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

PERSON-ADDRESS End Date

The date when an association between a PERSON an ADDRESS stops.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

PERSON-ADDRESS Type Code

The information provided by the address.

Data Type: Character-String **Length:** 28

Domain Valid Value	Domain Value Definition
A	Mailing Address
B	Mailing and Physical Address
C	Physical Address

PERSON-DATASET-COMPONENT

A PERSON of functional interest included within a DATASET.

PERSON-ELECTRONIC-MAIL-ADDRESS

Information about the electronic mail addresses of a person.

PERSON-ELECTRONIC-MAIL-ADDRESS Name

The name of a PERSON's electronic mail address.

Data Type: Character-String **Length:** 69

PERSON-NAME

A designation applied to a PERSON.

PERSON-NAME Category Code

The code that represents a classification of a PERSON's name.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Cadency Name (E.G., SR., JR., III)
F	Forename
M	Middle Name
S	Surname
T	Courtesy Title

PERSON-NAME Date

The date when a PERSON's name becomes effective.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 17760101 **Max Value:** 99991231 **Unit of Measure:** None

PERSON-NAME Text

The text of a PERSON's name.

Data Type: Character-String **Length:** 100

PERSON-ORGANIZATION

An association between a PERSON and an ORGANIZATION.

PERSON-ORGANIZATION Begin Date

The date when a PERSON-ORGANIZATION starts.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 17760101 **Max Value:** 99991231 **Unit of Measure:** None

PERSON-ORGANIZATION Begin Time

The time when a PERSON-ORGANIZATION starts.

Data Type: Date Time **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 240000 **Unit of Measure:** None

PERSON-ORGANIZATION End Date

The date when a PERSON-ORGANIZATION stops.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 17760101 **Max Value:** 99991231 **Unit of Measure:** None

PERSON-ORGANIZATION End Time

The time when a PERSON-ORGANIZATION stops.

Data Type: Date Time **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 240000 **Unit of Measure:** None

PERSON-ORGANIZATION Person Role Code

The code that represents the part played by a PERSON in a PERSON-ORGANIZATION association.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Person is candidate of Organization
B	Person is contractor to Organization
C	Person is hostage of Organization
D	Person is persona non grata to Organization
E	Person is personnel resource to Organization
F	Person is prisoner to Organization
G	Person is separated from Organization
H	Person is student to Organization
I	Person is volunteer to Organization
J	Person is customer of Organization
K	Person is alien of Organization
L	Person is citizen of Organization
M	Person is perfers to be assigned to Organization
N	Person is attached to Organization
O	Person is under orders from Organization
P	Person is under sponsorship of Organization
Q	Person is patient of Organization
R	Person is national of Organization

PERSON-ORGANIZATION Projected End Date

The date when an association between a PERSON and an ORGANIZATION is expected to stop.

Data Type: Date **Length:** 8 **Decimal Count:** 0

Min Value: 17760101 **Max Value:** 99991231 **Unit of Measure:** None

PERSON-ORGANIZATION-TITLE

THE TITLE OF THE POSITION OF A MEMBER OF AN ORGANIZATION.

PERSON-ORGANIZATION-TITLE Description Text

The text that describes an association between a PERSON and a COUNTRY.

Data Type: Character-String **Length:** 50

PERSON-ORGANIZATION-TITLE Name

The name of the position of a member of an ORGANIZATION.

Data Type: Character-String **Length:** 50

PERSON-TELEPHONE-NUMBER

The association between a specific PERSON and a TELEPHONE-NUMBER.

PERSON-TELEPHONE-NUMBER Description Text

The text that describes the association between a PERSON and a TELEPHONE-NUMBER.

Data Type: Character-String **Length:** 200

PIER

A structure built out into the water allowing vessels to tie up to one or more sides.

PIER Float Code

The code that represents a PIER's attachment status.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PFI1	Fixed
PFI2	Floating

PILING-REPRESENTATION

A model representing a pile or group of piles in a row. A pile is a long beam of timber, or section of steel or concrete, forced into the earth to serve as a support.

PILING-REPRESENTATION Area **New**

The absolute area within the delineation of the PILING-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

PILING-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the PILING-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

PILING-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the PILING-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

PILING-REPRESENTATION Vertical Reference Category Code **New**

The code indicating the relative location of the PILING-REPRESENTATION referenced to the sounding datum.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR4	Below Surface/Submerged
VRR8	Covers and Uncovers

PILING-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the PILING-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

PINGO

A cone or dome shaped mound or hill of peat or soil, usually with a core of ice. It is found in tundra regions and is produced by the pressure of water or ice accumulating underground and pushing upward.

PINGO Identifier

A unique identifier for a PINGO.

Data Type: Character-String **Length:** 35

PINGO-REPRESENTATION

A model of a PINGO.

PIPE-OPENING-AREA-REPRESENTATION

A model of an area in which a pipe opening, such as an intake or out flow, is located..

PIPE-OPENING-AREA-REPRESENTATION Product Category Text

A description of the material that flows in or out of the PIPE-OPENING.

Data Type: Character-String **Length:** 50

PIPELINE

A tube for the conveyance of solids, liquids or gases.

PIPELINE Identifier

The identifier of a PIPELINE.

Data Type: Character-String **Length:** 35

PIPELINE Product Type Code

The code that represents the product that a PIPELINE carries.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	unknown
PRO116	water
PRO13	chemical
PRO38	gas
PRO39	gasoline
PRO67	oil
PRO95	sewage
PRO999	other

PIPELINE Type Code

The code that represents the type of a specific PIPELINE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PLT0	unknown
PLT1	transport
PLT2	outfall
PLT3	intake

PIPELINE-CROSSING-POINT-REPRESENTATION-SEGMENT

A section of PIPELINE delimited by a constant value of traversability for the movement of vehicles or troops.

PIPELINE-CROSSING-POINT-REPRESENTATION-SEGMENT Horizontal Clearance Dimension

The minimum distance available to pass a load that extends laterally beyond the body of conveyance.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99 **Unit of Measure:** Meters

PIPELINE-CROSSING-POINT-REPRESENTATION-SEGMENT Type Code

The code that represents the type of PIPELINE crossing site.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	on ground surface
2	below ground surface
3	elevated

PIPELINE-DEPTH-BELOW-GROUND-REPRESENTATION-SEGMENT

A section of a PIPELINE delimited by the distance measured from the ground surface to the lowest point of the PIPELINE below the surface.

PIPELINE-DEPTH-BELOW-GROUND-REPRESENTATION-SEGMENT Depth Dimension

The depth of a section of PIPELINE from the ground surface to the lowest point of the PIPELINE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PIPELINE-DEPTH-BELOW-SEA-FLOOR-REPRESENTATION-SEGMENT

A section of a PIPELINE delimited by the distance measured from the sea floor to the lowest point of the PIPELINE below the surface.

PIPELINE-DEPTH-BELOW-SEA-FLOOR-REPRESENTATION-SEGMENT Depth Dimension

The vertical distance measured from the sea floor to the lowest point of a buried PIPELINE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PIPELINE-HEIGHT-ABOVE-SEA-BOTTOM-REPRESENTATION-SEGMENT

A section of a PIPELINE delimited by the vertical distance from sea bottom to lowest portion of PIPELINE.

PIPELINE-HEIGHT-ABOVE-SEA-BOTTOM-REPRESENTATION-SEGMENT Height Dimension

The height of a section PIPELINE above the sea bottom.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PIPELINE-HEIGHT-ABOVE-SEA-BOTTOM-REPRESENTATION-SEGMENT Type Code

The code that represents the allowable types of PIPELINE segments represented by a PIPELINE-HEIGHT-ABOVE-SEA-BOTTOM-SURFACE-REFERENCE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
4	on sea floor
6	suspended or elevated above sea bottom

PIPELINE-HEIGHT-ABOVE-SURFACE-REPRESENTATION-SEGMENT New

A section of a PIPELINE-REPRESENTATION delimited by a constant value of height above the Earth's surface.

PIPELINE-HEIGHT-ABOVE-SURFACE-REPRESENTATION-SEGMENT Height Dimension New

The height of the pipeline segment measured from the top of the pipeline down to the Earth's surface whether land or water.

Data Type: Character-String **Length:** 6

PIPELINE-INSIDE-DIAMETER-REPRESENTATION-SEGMENT

A section of a PIPELINE delimited by a constant value of inside diameter.

PIPELINE-INSIDE-DIAMETER-REPRESENTATION-SEGMENT Inside Diameter Dimension

The inside diameter of a section of PIPELINE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PIPELINE-NAME-REPRESENTATION-SEGMENT

A section of a PIPELINE delimited by a constant value of name.

PIPELINE-OPERATIONAL-STATUS-REPRESENTATION-SEGMENT

A section of a PIPELINE-REPRESENTATION delimited by a constant value of operational status.

PIPELINE-OPERATIONAL-STATUS-REPRESENTATION-SEGMENT Operational Status Code

The code that represents the operational state or condition of the PIPELINE-SEGMENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	unknown
EXS28	operational
EXS6	abandoned

PIPELINE-OVERHEAD-CLEARANCE-REPRESENTATION-SEGMENT

A section of a PIPELINE-REPRESENTATION-SEGMENT delimited by the vertical clearance of an object measured from the ground towards the PIPELINE.

PIPELINE-OVERHEAD-CLEARANCE-REPRESENTATION-SEGMENT Overhead Clearance Dimension

The vertical height between the ground and the lowest point of the PIPELINE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PIPELINE-PHYSICAL-CONDITION-REPRESENTATION-SEGMENT

A section of a PIPELINE-REPRESENTATION-SEGMENT delimited by a constant value of physical condition.

PIPELINE-PHYSICAL-CONDITION-REPRESENTATION-SEGMENT Physical Condition Code

The code that represents the physical condition of a PIPELINE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS999	Other

PIPELINE-PREDOMINATE-FEATURE-HEIGHT-REPRESENTATION-SEGMENT

A section of a PIPELINE-REPRESENTATION delimited by the predominant height of the PIPELINE above the earth's surface.

PIPELINE-PREDOMINATE-FEATURE-HEIGHT-REPRESENTATION-SEGMENT Height Dimension

The most common height within the delineation of a segment of PIPELINE-REPRESENTATION, measured from the land's surface to the top of the PIPELINE.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 1000 **Unit of Measure:** Meters

PIPELINE-PREDOMINATE-FEATURE-HEIGHT-REPRESENTATION-SEGMENT Type Code

The code that represents the allowable types of PIPELINE segments represented by a PIPELINE-PREDOMINATE-FEATURE-HEIGHT-SURFACE-REFERENCE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
2	on ground
7	suspended or elevated above ground or water

PIPELINE-REPRESENTATION

A model of a PIPELINE.

PIPELINE-REPRESENTATION Minimum Inside Diameter Dimension

The smallest diameter of a PIPELINE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PIPELINE-REPRESENTATION-SEGMENT

A section of PIPELINE delimited by a constant value.

PIPELINE-REPRESENTATION-SEGMENT Type Code

The code that represents the type of the PIPELINE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Name
2	Crossing point
3	Surface reference
4	Inside diameter
5	Operational status
6	Under construction status

PIPELINE-SAFE-VERTICAL-CLEARANCE-REPRESENTATION-SEGMENT

A section of a PIPELINE-REPRESENTATION-SEGMENT delimited by a constant value of safe vertical clearance measured from the water surface towards the PIPELINE overhead.

PIPELINE-SAFE-VERTICAL-CLEARANCE-REPRESENTATION-SEGMENT Height Dimension

The distance measured from the water point to the lowest point of the PIPELINE section, plus a safety factor.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PIPELINE-SURFACE-MATERIAL-REPRESENTATION-SEGMENT **New**

A section of a PIPELINE-REPRESENTATION delimited by a constant value of surface material.

PIPELINE-SURFACE-MATERIAL-REPRESENTATION-SEGMENT Surface Material Code **New**

The code that indicates the type of surface material for this pipeline segment.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal
SMC999	Other

PIPELINE-SURFACE-REFERENCE-REPRESENTATION-SEGMENT

A section of a PIPELINE-REPRESENTATION-SEGMENT delimited by a constant value between a PIPELINE and a surface.

PIPELINE-SURFACE-REFERENCE-REPRESENTATION-SEGMENT Type Code

The code that represents a type of measurement from a section of PIPELINE to a reference surface.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Safe Vertical Clearance
2	Overhead Clearance
3	Depth Below Sea Floor
4	Depth Below Ground Surface
5	Predominant Feature Height
6	Maximum Height Above Sea Floor

PIPELINE-WIDTH-REPRESENTATION-SEGMENT **New**

A section of a PIPELINE-REPRESENTATION delimited by a constant value of exterior width.

PIPELINE-WIDTH-REPRESENTATION-SEGMENT Width Dimension **New**

The width of the pipeline segment.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0

Min Value: 0.1 **Max Value:** 9999999999 **Unit of Measure:** Decimeters

PIXEL-VARIANCE

The accuracy of the position of the center of a pixel relative to the ground with respect to a specified reference frame.

PIXEL-VARIANCE Horizontal Length Dimension

The assessed units of horizontal variance for a pixel within an IMAGE-DATASET as it relates to the ground.

Data Type: Fixed-Point **Length:** 8 **Decimal Count:** 3

Min Value: 0 **Max Value:** 9999.999 **Unit of Measure:** Meters

PIXEL-VARIANCE Vertical Length Dimension

The assessed units of vertical variance for a pixel within an IMAGE-DATASET as it relates to the ground..

Data Type:	Fixed-Point	**Length:**	8	**Decimal Count:**	3
Min Value:	0	**Max Value:**	9999.999	**Unit of Measure:**	Meters

PLAZA

New

An open area which serves as a public square in a city or town.

PLAZA-REPRESENTATION

New

A model of a PLAZA.

PLAZA-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degree

PLAZA-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the PLAZA-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC21	Concrete
SMC5	Asphalt
SMC999	Other

POINT

A zero dimensional GEOMETRIC-SPATIAL-ELEMENT.

POINT-COORDINATE

The position of a specific POINT as expressed within a REFERENCE-COORDINATE-SYSTEM.

POINT-COORDINATE Date

The date that a POINT-COORDINATE is valid for.

Data Type:	Date Time	**Length:**	8	**Decimal Count:**	0
Min Value:	101	**Max Value:**	99991231	**Unit of Measure:**	None

POINT-COORDINATE Sequence Identifier

The identifier that represents a particular POINT-COORDINATE for a particular POINT.

Data Type: Character-String **Length:** 15

POINT-COORDINATE Time

The time that a POINT-COORDINATE is valid for.

Data Type:	Date Time	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	235959	**Unit of Measure:**	None

POINT-COORDINATE-ASSESSMENT

Statements about the quality of the position of a specific POINT-COORDINATE.

POINT-COORDINATE-CARTESIAN

A POINT-COORDINATE of COORDINATE-SYSTEM class Cartesian.

POINT-COORDINATE-CARTESIAN X Axis Length Dimension

The length of the x-axis.

Data Type:	Floating-Point	**Length:**	19	**Decimal Count:**	0
Min Value:	-1e+016	**Max Value:**	1e+017	**Unit of Measure:**	Meters

POINT-COORDINATE-CARTESIAN Y Axis Length Dimension

The length of the y-axis.

Data Type:	Floating-Point	**Length:**	19	**Decimal Count:**	0
Min Value:	-1e+016	**Max Value:**	1e+017	**Unit of Measure:**	Meters

POINT-COORDINATE-CARTESIAN Z Axis Length Dimension

The length of the z-axis.

Data Type:	Floating-Point	**Length:**	19	**Decimal Count:**	0
Min Value:	-1e+016	**Max Value:**	1e+017	**Unit of Measure:**	Meters

POINT-COORDINATE-ELLIPSOIDAL

A POINT-COORDINATE of COORDINATE-SYSTEM class ellipsoidal.

POINT-COORDINATE-ELLIPSOIDAL Height Dimension

The height measured from the Point on the ELLIPSOID perpendicular to the a tangent plane intersecting at that POINT.

Data Type:	Floating-Point	**Length:**	10	**Decimal Count:**	0
Min Value:	-6000000	**Max Value:**	9999999999	**Unit of Measure:**	Meters

POINT-COORDINATE-ELLIPSOIDAL Latitude Coordinate

The latitude component of a POINT-COORDINATE-ELLIPSOIDAL.

Data Type:	Fixed-Point	**Length:**	15	**Decimal Count:**	11
Min Value:	-90	**Max Value:**	90	**Unit of Measure:**	Degrees

POINT-COORDINATE-ELLIPSOIDAL Longitude Coordinate

The longitude component of a POINT-COORDINATE-ELLIPSOIDAL.

Data Type: Fixed-Point **Length:** 16 **Decimal Count:** 11
Min Value: -180 **Max Value:** 180 **Unit of Measure:** Degrees

POINT-COORDINATE-GRAVITY-HEIGHT

The gravimetric potential measured at a POINT.

POINT-COORDINATE-GRAVITY-HEIGHT Gravity Potential Rate

The measurement of gravity potential at a POINT.

Data Type: Floating-Point **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 10 **Unit of Measure:** Geopotential Metre

POINT-COORDINATE-HEIGHT

A POINT-COORDINATE of COORDINATE-SYSTEM class height.

POINT-COORDINATE-HEIGHT Measurement Type Code

The code that represents the type of height measurement.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Height Above a Reference (see REFERENCE-DATUM)
2	Gravity Height
3	Pressure Height

POINT-COORDINATE-POLAR

A POINT-COORDINATE of COORDINATE-SYSTEM class polar.

POINT-COORDINATE-POLAR Alpha Angle

The angle described by a radius measured against a reference angle on a defined plane. Called 'right ascension' in astronometric coordinate systems.

Data Type: Floating-Point **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

POINT-COORDINATE-POLAR Beta Angle

The angle described by a radius measured against a reference plane.

Data Type: Floating-Point **Length:** 3 **Decimal Count:** 0
Min Value: -90 **Max Value:** 90 **Unit of Measure:** Degrees

POINT-COORDINATE-POLAR Radius Length Dimension

The length of a the radius of this POINT-COORDINATE in units.

Data Type: Floating-Point **Length:** 18 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1e+017 **Unit of Measure:** Meters

POINT-COORDINATE-PRESSURE-LEVEL

The atmospheric pressure measured at a POINT.

POINT-COORDINATE-PRESSURE-LEVEL Quantity

The measured pressure level at a POINT.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 3
Min Value: 0 **Max Value:** 1.15 **Unit of Measure:** Hectopascals

POINT-COORDINATE-REFERENCE-DISTANCE

The height of a POINT in relation to a REFERENCE-DATUM.

POINT-COORDINATE-REFERENCE-DISTANCE Dimension

The vertical distance of a POINT from a REFERENCE-DATUM.

Data Type: Floating-Point **Length:** 19 **Decimal Count:** 0
Min Value: -1e+016 **Max Value:** 1e+017 **Unit of Measure:** Meters

POINT-COORDINATE-REFERENCE-DISTANCE Type Code

The code that indicates the label of the measurement.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Height
2	Depth

POINT-MAGNETIC-VARIATION

The vector bearing indicating the direction of the magnetic field at a POINT on the Earth's surface.

POINT-MAGNETIC-VARIATION Baseline Month Code

The code that represents the month that the magnetic variation was established at a given POINT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	January
02	February
03	March
04	April
05	May
06	June
07	July
08	August
09	September
10	October
11	November
12	December

POINT-MAGNETIC-VARIATION Baseline Year Identifier

The identifier that represents the year that the magnetic variation was established at a given POINT.

Data Type: Character-String **Length:** 4

POINT-MAGNETIC-VARIATION-REPRESENTATION

A model of a POINT-MAGNETIC-VARIATION.

POINT-MAGNETIC-VARIATION-REPRESENTATION Angle

The angular difference between true North and magnetic North at a given POINT established at a baseline month and year.

Data Type: Fixed-Point **Length:** 9 **Decimal Count:** 6
Min Value: 0 **Max Value:** 60 **Unit of Measure:** Degrees

POINT-MAGNETIC-VARIATION-REPRESENTATION Change Rate

The annual rate of change of magnetic variation at a given POINT.

Data Type: Fixed-Point **Length:** 8 **Decimal Count:** 6
Min Value: 0 **Max Value:** 5 **Unit of Measure:** Degrees

POLITICAL-SEPARATION-REPRESENTATION

A model of a geographically expressed political separation.

POLITICAL-SEPARATION-REPRESENTATION Type Code

The code that represents the type of POLITICAL-SEPARATION-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Armistice Line
2	Cease Fire Line
3	Claim Line
4	Mandate Line/Convention Zone
5	Defacto Boundary
6	Demilitarized Zone
7	Zone of Occupation
8	Parcel

POLITICAL-SEPARATION-REPRESENTATION-COUNTRY

An association of a POLITICAL-SEPARATION-REPRESENTATION and a COUNTRY.

POLITICAL-SEPARATION-REPRESENTATION-COUNTRY Text

The text that describes the relationship of a POLITICAL-SEPARATION-REPRESENTATION to a COUNTRY.

Data Type: Character-String **Length:** 256

POLITICAL-SEPARATION-REPRESENTATION-ORGANIZATION

The association of a POLITICAL-SEPARATION-REPRESENTATION and an ORGANIZATION.

POLITICAL-SEPARATION-REPRESENTATION-ORGANIZATION Reason Text

The text that describes the reason for a POLITICAL-SEPARATION-REPRESENTATION-ORGANIZATION.

Data Type: Character-String **Length:** 256

POND-PARTITION

A structure separating the basins of a fish pond, a reservoir, or a liquid waste pond.

POPULATED-PLACE

An area containing a concentration of buildings and other features populated by people.

POPULATED-PLACE Type Code

The type of POPULATED-PLACE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Ancient-Area
2	Built-Up-Area
3	Complex-Area-Outline
4	Feedlot
5	Firing-Range
6	Military-Base
7	Specialized-Area

POPULATED-PLACE-REPRESENTATION

A model of POPULATED-PLACE.

POPULATED-PLACE-REPRESENTATION Existence Category Code

The code that indicates the state or condition of a feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS5	Under Construction
EXS62	Partially Destroyed
EXS7	Destroyed
EXS999	Other

POPULATED-PLACE-REPRESENTATION Type Code

The code that indicates the type of populated or formerly POPULATED-PLACE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Ancient-Area
2	Built-Up-Area
3	Complex-Area-Outline
4	Feedlot
5	Firing-Range
6	Military-Area
7	Specialized-Area

PORT

A landing place provided with terminal and transfer facilities for loading and discharging cargo or passengers from watercraft.

PORT Corps of Engineers Port Identifier

The identifier that represents a Corps of Engineers designation for a PORT.

Data Type: Character-String **Length:** 35

PORT Identifier

The identifier that represents a PORT.

Data Type: Character-String **Length:** 35

PORT Water Port Identifier

The identifier that represents a Water Port designation for a PORT.

Data Type: Character-String **Length:** 35

PORT World Port Index Identifier

The identifier that represents a World Port Index designation for a PORT.

Data Type: Character-String **Length:** 35

PORT-HARBOR

The association of a specific PORT with a specific HARBOR.

PORT-REPRESENTATION

A model of a PORT.

POSITION-ELLIPSE-OF-REVOLUTION-VARIANCE

The three dimensional variance allowed for a measurement expressed as an ellipse of revolution.

POSITION-ELLIPSE-OF-REVOLUTION-VARIANCE X Axis Length Dimension

The X axis length of an ellipse of revolution within which a measurement may vary.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POSITION-ELLIPSE-OF-REVOLUTION-VARIANCE X Axis Name

The name of the x axis.

Data Type: Character-String **Length:** 20

POSITION-ELLIPSE-OF-REVOLUTION-VARIANCE Y Axis Length Dimension

The Y axis length of an ellipse of revolution within which a measurement may vary.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POSITION-ELLIPSE-OF-REVOLUTION-VARIANCE Y Axis Name

The name of the y axis.

Data Type: Character-String **Length:** 20

POSITION-ELLIPSE-OF-REVOLUTION-VARIANCE Z Axis Length Dimension

The Z axis length of an ellipse of revolution within which a measurement may vary.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POSITION-ELLIPSE-OF-REVOLUTION-VARIANCE Z Axis Name

The name of the z axis.

Data Type: Character-String **Length:** 20

POSITION-HORIZONTAL-CIRCLE-VARIANCE

The horizontal allowed variance for a stated confidence expressed as a circle.

POSITION-HORIZONTAL-CIRCLE-VARIANCE Radius Length Dimension

The radius of a circle within which a measurement may fall for a given confidence percentage.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POSITION-HORIZONTAL-ELLIPSE-VARIANCE

The horizontal allowed variance for a stated confidence expressed as an ellipse.

POSITION-HORIZONTAL-ELLIPSE-VARIANCE X Axis Length Dimension

The length of the X Axis of an ellipse within which a measurement may fall for a given confidence percentage.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POSITION-HORIZONTAL-ELLIPSE-VARIANCE X Axis Name

The name of the X axis.

Data Type: Character-String **Length:** 20

POSITION-HORIZONTAL-ELLIPSE-VARIANCE Y Axis Length Dimension

The length of the Y axis of an ellipse within which a measurement may fall for a given confidence percentage.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POSITION-HORIZONTAL-ELLIPSE-VARIANCE Y Axis Name

The name of the Y axis.

Data Type: Character-String **Length:** 20

POSITION-HORIZONTAL-ERROR-MATRIX

A matrix made up of variance and covariance elements that express two dimensional point error.

POSITION-HORIZONTAL-ERROR-MATRIX-ELEMENT

An individual element of a POSITION-HORIZONTAL-ERROR-MATRIX-ELEMENT.

POSITION-HORIZONTAL-ERROR-MATRIX-ELEMENT Column Quantity

The column position of a two dimensional error matrix element.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 1 **Max Value:** 2 **Unit of Measure:** None

POSITION-HORIZONTAL-ERROR-MATRIX-ELEMENT Error Quantity

The quantity of the combined row and column error.

Data Type: Floating-Point **Length:** 9 **Decimal Count:** 3
Min Value: 0 **Max Value:** 99999.999 **Unit of Measure:** Each

POSITION-HORIZONTAL-ERROR-MATRIX-ELEMENT Name

The name of the combined row and column element.

Data Type: Character-String **Length:** 30

POSITION-HORIZONTAL-ERROR-MATRIX-ELEMENT Row Quantity

The position in row of this error matrix element.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 1 **Max Value:** 2 **Unit of Measure:** None

POSITION-HORIZONTAL-VARIANCE

The variance applied to a horizontal measurement.

POSITION-HORIZONTAL-VARIANCE Type Code

The code that indicates the type of horizontal vector variance associated with DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Circle
E	Ellipse
M	Variance/Covariance Error Matrix

POSITION-SPHERE-VARIANCE

The three dimensional variance allowed for a measurement expressed as a sphere.

POSITION-SPHERE-VARIANCE Radius Length Dimension

The radius of a sphere within which a three dimensional measurement may vary at a given confidence percentage.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POSITION-THREE-DIMENSIONAL-ERROR-MATRIX

A matrix made up of variance and covariance elements that express three dimensional point error.

POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT

An element of a POSITION-THREE-DIMENSIONAL-ERROR-MATRIX.

POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT Column Quantity

The column position of a POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 1 **Max Value:** 3 **Unit of Measure:** None

POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT Error Quantity

The combined row and column error quantity.

Data Type: Floating-Point **Length:** 9 **Decimal Count:** 3
Min Value: 0 **Max Value:** 99999.999 **Unit of Measure:** None

POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT Name

The name of the POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT.

Data Type: Character-String **Length:** 30

POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT Row Quantity

The row position of a POSITION-THREE-DIMENSIONAL-ERROR-MATRIX-ELEMENT.

Data Type: Integer **Length:** 1 **Decimal Count:** 0
Min Value: 1 **Max Value:** 3 **Unit of Measure:** None

POSITION-THREE-DIMENSIONAL-VARIANCE

The variance applied to a three dimensional measurement.

POSITION-THREE-DIMENSIONAL-VARIANCE Type Code

The code that indicates the type of three dimensional variance expressed.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	Ellipse of Revolution
M	Variance/Covariance Error Matrix
S	Sphere

POSITION-VARIANCE

Variance allowed for a range of positional measurement types.

POSITION-VARIANCE Measurement Type Code

The code that indicates type of measurement that a variance is applied against.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
01	Relative
02	Absolute

POSITION-VARIANCE Position Type Code

The code that indicates the type of vector position variance that is associated with a DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
3	Three-Dimensional
H	Horizontal
V	Vertical

POSITION-VARIANCE-RELATIVE **New**

Information related to the understanding of error values based on relative accuracy.

POSITION-VARIANCE-RELATIVE Bin Maximum Dimension **New**

The maximum distance between points used in determining the precision/relative accuracy for this ASSESSMENT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Meters

POSITION-VARIANCE-RELATIVE Bin Minimum Dimension **New**

The minimum distance between points for the calculation of precision/relative accuracy for this ASSESSMENT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Meters

POSITION-VERTICAL-VARIANCE

The variance applied to a vertical measurement.

POSITION-VERTICAL-VARIANCE Length Dimension

The length of one vertical variance from a position for a stated confidence associated with a DATASET.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 2
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

POTABLE-WATER-AQUEDUCT

An AQUEDUCT designed to transport water intended for human consumption.

POTABLE-WATER-AQUEDUCT Type Code

The code that represents the class of a POTABLE-WATER-AQUEDUCT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ATC1	Kanat Tunnel
ATC9	Kanat Maintenance Shaft
ATC999	Other

POTENTIAL-LANDSLIDE-AREA-REPRESENTATION

A model of a mass of land, with a high potential of slipping down from a mountain, hill, etc.

POWER-GENERATION-FACILITY

An assembly of buildings and equipment used to generate, and initiate the distribution of, power.

POWER-GENERATION-FACILITY Name

The name of a POWER-GENERATION-FACILITY.

Data Type: Character-String **Length:** 100

POWER-GENERATION-FACILITY-REPRESENTATION

A model of a POWER-GENERATION-FACILITY.

POWER-LINE

A group of conductors that transmit electricity over a distance.

POWER-LINE Basic Encyclopedia Number **New**

The unique number used to identify the POWER-LINE in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

POWER-LINE Cable Classification Code **New**

Code that tabulates the kind of transmission.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CAB0	Unknown
CAB2	Power Line
CAB6	Transmission Line
CAB999	Other

POWER-LINE Current Type Code

The code that represents the kind of electrical current carried by a POWER-LINE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Alternating Current
2	Direct Current

POWER-LINE Identifier

The identifier that represents a specific POWER-LINE.

Data Type: Character-String **Length:** 35

POWER-LINE-AMPACITY-REPRESENTATION-SEGMENT

A section of a POWER-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the Ampacity.

POWER-LINE-AMPACITY-REPRESENTATION-SEGMENT Ampacity Quantity

The measured current carried on a POWER-LINE-AMPACITY-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 8 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 500000 **Unit of Measure:** Amps

POWER-LINE-CATENARY-REPRESENTATION-SEGMENT

A section of a POWER-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the catenary indicator.

POWER-LINE-CATENARY-REPRESENTATION-SEGMENT Catenary Terrain Code

The code that represents characteristics of the surface under a POWER-LINE-CATENARY-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TST0	Unknown
TST1	Normal Terrain
TST2	Mountainous
TST3	Over Water

POWER-LINE-CONDUCTOR-REPRESENTATION-SEGMENT

A section of a POWER-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the number of conductors.

POWER-LINE-CONDUCTOR-REPRESENTATION-SEGMENT Conductor Quantity

The number of conductors in a POWER-LINE-CONDUCTOR-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 3 **Max Value:** 99 **Unit of Measure:** Each

POWER-LINE-NAME-REPRESENTATION-SEGMENT

A section of a POWER-LINE-REPRESENTATION-SEGMENT delimited by its name.

POWER-LINE-ON-POWER-LINE-SUPPORT-STRUCTURE

The association of a POWER-LINE with a POWER-LINE-SUPPORT-STRUCTURE.

POWER-LINE-REPRESENTATION

A model of a POWER-LINE.

POWER-LINE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the POWER-LINE-REPRESENTATION. For a round POWER-LINE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-LINE-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the POWER-LINE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

POWER-LINE-REPRESENTATION Voltage Capacity Quantity **New**

Maximum voltage available on the line.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** KV

POWER-LINE-REPRESENTATION-SEGMENT

A section of a POWER-LINE delimited by the constant value of a specific characteristic.

POWER-LINE-REPRESENTATION-SEGMENT Characteristic Type Code

The code that represents the specific characteristic that delimits a POWER-LINE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Catenary
2	Voltage
3	Conductor Quantity
4	Ampacity
5	Name

POWER-LINE-REPRESENTATION-SEGMENT Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the POWER-LINE-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-LINE-REPRESENTATION-SEGMENT Height Range Code **New**

Height range with greater precision (in meters).

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HTR0	Unknown
HTR1	<=0.5
HTR2	>0.5 and <=1.0
HTR3	>1.0 and <=1.5
HTR4	>1.5 and <=2.0
HTR5	>2.0 and <=5.0
HTR6	>5.0 and <=10.0
HTR7	>10.0 and <=20.0
HTR8	>20.0 and <=35.0
HTR9	>35.0

POWER-LINE-REPRESENTATION-SEGMENT Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the POWER-LINE-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

POWER-LINE-REPRESENTATION-SEGMENT Length Dimension **New**

A measurement of the longer of two linear axes of the POWER-LINE-REPRESENTATION-SEGMENT. For a round POWER-LINE-REPRESENTATION-SEGMENT, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-LINE-REPRESENTATION-SEGMENT Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the POWER-LINE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC64	Metal
MCC999	Other

POWER-LINE-REPRESENTATION-SEGMENT Safe Vertical Clearance Dimension **New**

The minimum safe vertical clearance measured from the surface toward the POWER-LINE-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-LINE-REPRESENTATION-SEGMENT Width Dimension **New**

A measurement of the shorter of two linear axes of the POWER-LINE-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-LINE-SUPPORT-STRUCTURE

A pole or tower used to support an electrical power line.

POWER-LINE-SUPPORT-STRUCTURE Identifier

The identifier that represents a specific POWER-LINE-SUPPORT-STRUCTURE.

Data Type: Character-String **Length:** 35

POWER-LINE-SUPPORT-STRUCTURE Shape Code

The code that represents the geometric form of a POWER-LINE-SUPPORT-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame

POWER-LINE-SUPPORT-STRUCTURE Type Code

The code that represents the kind of POWER-LINE-SUPPORT STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
TTC14	Powerline Tower
TTC18	Pole

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION

A model of a POWER-LINE-SUPPORT-STRUCTURE.

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Guyed Code **New**

Code indicating the presence of support wires.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Height Dimension

The vertical distance measured from the base of the POWER-LINE-SUPPORT-STRUCTURE to its highest point.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION. For a round POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION, the diameter is measured.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Location Category Code **New**

A code indicating the status of the POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC8	On Ground Surface
LOC999	Other

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Material Composition Code

The code that represents the material used to construct the POWER-LINE-SUPPORT-STRUCTURE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry
MCC64	Metal
MCC72	Part Metal
MCC77	Prestressed Concrete
MCC83	Reinforced Concrete
MCC9	Brick
MCC999	Other

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degree

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC12	Pyramid
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC74	'T' Frame
SSC999	Other

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the POWER-LINE-SUPPORT-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-LINE-SURFACE-REFERENCE-REPRESENTATION-SEGMENT

A section of a POWER-LINE delimited by the constant value of the surface reference.

POWER-LINE-SURFACE-REFERENCE-REPRESENTATION-SEGMENT Surface Reference Code

The code that represents the relative position of power line to the surface of the earth.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
LOC1	Above Surface
LOC4	Below Surface

POWER-LINE-TRANSMISSION-LINE-SUSPENSION-CODE-REPRESENTATION-SEGMENT New

A section of a POWER-LINE-REPRESENTATION-SEGMENT delimited by its TRANSMISSION-LINE-SUSPENSION-CODE.

POWER-LINE-TRANSMISSION-LINE-SUSPENSION-CODE-REPRESENTATION-SEGMENT Transmission Line Suspension Code **New**

Types of suspension of power transmission lines between pylons.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TST0	Unknown
TST1	Normal Suspension
TST2	Catenary (Over Mountains)
TST3	Catenary (Over Water)

POWER-LINE-VOLTAGE-REPRESENTATION-SEGMENT

A section of a POWER-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the voltage.

POWER-LINE-VOLTAGE-REPRESENTATION-SEGMENT Voltage Quantity

The measured voltage carried on a POWER-LINE-VOLTAGE-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 500 **Unit of Measure:** Kilovolts

POWER-PLANT

A structure designed for the generation of power.

POWER-PLANT Current Output Quantity

The rated level of electrical current produced by a POWER-PLANT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 500000 **Unit of Measure:** Amps

POWER-PLANT Output Voltage Quantity

The rated level of electrical voltage produced by a POWER-PLANT.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.2 **Max Value:** 30 **Unit of Measure:** Kilovolts

POWER-PLANT Power Output Quantity

The rated level of electrical power produced by a POWER-PLANT.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.2 **Max Value:** 6000 **Unit of Measure:** Mega-Volt-Amps

POWER-PLANT Structure Shape of Roof Code **New**

The code indicating the shape of the roof of the POWER-PLANT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR47	Sawtooth
SSR50	With Monitor
SSR51	With Steeple
SSR55	Flat with Monitor
SSR6	Conical/Peaked/NUN
SSR64	Gable with Monitor
SSR77	With Cupola
SSR78	With Turret
SSR79	With Tower
SSR80	With Minaret
SSR999	Other

POWER-PLANT Type Code

The code that represents the energy generation mode in a POWER-PLANT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PPC0	Unknown
PPC1	Hydro-Electric
PPC10	Solar Thermal
PPC11	Geothermal
PPC2	Nuclear
PPC3	Solar
PPC4	Thermal
PPC5	Wind
PPC6	Tidal
PPC7	Internal Combustion
PPC8	Fossil Fuel
PPC9	Solar Photovoltaic
PPC999	Other

POWER-PLANT Unit Identifier

The identifier that represents a specific POWER-PLANT unit.

Data Type: Character-String **Length:** 35

POWER-PLANT-COOLING-POND

A reservoir designed to cool the discharged water from a power plant.

POWER-PLANT-COOLING-POND-REPRESENTATION

A model of a POWER-PLANT-COOLING-POND.

POWER-PLANT-COOLING-POND-REPRESENTATION Computed Area

The surface area of the POWER-PLANT-COOLING-POND.

Data Type: Floating-Point **Length:** 9 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 1000000 **Unit of Measure:** Square Meters

POWER-PLANT-COOLING-POND-REPRESENTATION Length Dimension

The measured horizontal distance of the centerline of the POWER-PLANT-COOLING-POND.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99999.9 **Unit of Measure:** Meters

POWER-PLANT-COOLING-POND-REPRESENTATION Width Dimension

The measured horizontal distance perpendicular to the centerline of the POWER-PLANT-COOLING-POND.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Meters

POWER-PLANT-REPRESENTATION

A model of a POWER-PLANT.

POWER-PLANT-REPRESENTATION Area **New**

The absolute area within the delineation of the POWER-PLANT-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 32767
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

POWER-PLANT-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the POWER-PLANT-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

POWER-PLANT-REPRESENTATION Existence Category Code **New**

A code indicating the state or condition of the POWER-PLANT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

POWER-PLANT-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the POWER-PLANT-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-PLANT-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the POWER-PLANT-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

POWER-PLANT-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the POWER-PLANT-REPRESENTATION. For a round POWER-PLANT-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

POWER-PLANT-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the POWER-PLANT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC117	Wood
MCC2	Aluminum
MCC20	Composition
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone) Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC9	Brick
MCC999	Other

POWER-PLANT-REPRESENTATION Orientation Angle **New**

The azimuth measured from true north to the longest centerline of the POWER-PLANT.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

POWER-PLANT-REPRESENTATION Predominant Feature Height Dimension **New**

Predominant height within delineation of POWER-PLANT-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

POWER-PLANT-REPRESENTATION Roof Cover Rate **New**

The roof cover within the area of the POWER-PLANT-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

POWER-PLANT-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the POWER-PLANT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

POWER-PLANT-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the POWER-PLANT-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

PREFERENCE

User's preference options.

PREFERENCE Name

The general category of user preferences.

Data Type: Character-String **Length:** 30

PREFERENCE Selection Text

The specific user preference available to a user, within a specific category.

Data Type: Character-String **Length:** 60

PREFERRED-ROUTE

A system that has been established to guide pilots in planning their route of flight, to minimize route changes during the operational phase of the flight, and to aid in the efficient and orderly management of air traffic.

PREFERRED-ROUTE Aircraft Propulsion Type Code

A code indicating the propulsion type for aircraft in a PREFERRED-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
J	Jets
K	Non Turbo Jets
N	Non Jets
P	Props
S	Turbo Props
T	Turbo Jets
W	Water Turbo Jets
X	Water Turbo Props

PREFERRED-ROUTE Aircraft Speed Rate

PREFERRED-ROUTE Aircraft Speed Rate.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Knots

PREFERRED-ROUTE Aircraft Speed Type Code

A code indicating the type of aircraft speed assigned to a PREFERRED-ROUTE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Maximum
2	Minimum

PREFERRED-ROUTE Effective Time Text

Textual information about the effective times for a preferred route.

Data Type: Character-String **Length:** 64

PREFERRED-ROUTE End Area Name

The name of the location to which the preferred route is requested. .

Data Type: Character-String **Length:** 38

PREFERRED-ROUTE Identifier

The identifier that represents a specific PREFERRED-ROUTE.

Data Type: Character-String **Length:** 7

PREFERRED-ROUTE Level Code

Code indicates the airspace structure in which the route is effective.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	High and Low Level
H	High Level
L	Low Level

PREFERRED-ROUTE Lower Effective Altitude Dimension

Indicates the lower altitude associated with the route.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

PREFERRED-ROUTE Start Area Name

The name of the location from which the departure takes place.

Data Type: Character-String **Length:** 38

PREFERRED-ROUTE Upper Effective Altitude Dimension

Indicates the upper altitude associated with the route.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet

PREFERRED-ROUTE-SEGMENT

A portion of a preferred route specified between two points.

PREFERRED-ROUTE-SEGMENT Identifier

Defines the relative position of the segment within the total preferred route.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** None

PREFERRED-ROUTE-SEGMENT-POINT

A specific point in a PREFERRED-ROUTE-SEGMENT.

PRIME-MERIDIAN

Meridian from which the longitudes of other meridians are quantified.

PRIME-MERIDIAN Description Text

The textual description of a PRIME- MERIDIAN.

Data Type: Character-String **Length:** 1000

PRIME-MERIDIAN Name

The name of the PRIME-MERIDIAN.

Data Type: Character-String **Length:** 50

PRIME-MERIDIAN Type Code

The code that indicates the type of PRIME-MERIDIAN described.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Greenwich Relative
2	Other

PRIME-MERIDIAN-GREENWICH-RELATIVE

A prime meridian that is located through it's position relative to the Greenwich meridian.

PRIME-MERIDIAN-GREENWICH-RELATIVE Longitude Coordinate

The longitude of the PRIME-MERIDIAN relative to Greenwich.

Data Type: Fixed-Point **Length:** 21 **Decimal Count:** 16
Min Value: -180 **Max Value:** 180 **Unit of Measure:** Degrees

PROCESS-STEP

Information about a single processing event for a DATASET.

PROCESS-STEP Confidence Level Quantity

The confidence that an assessor has in establishing the error rate for a PROCESS-STEP.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

PROCESS-STEP Error Rate

The percentage of error introduced into a DATASET through a process step.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

PROCESS-STEP Method Description text

The textual description of one step in the processing of a DATASET.

Data Type: Character-String **Length:** 250

PROCESS-STEP-SOURCE-DATASET

The association between a specific PROCESS-STEP and a specific source DATASET.

PROCESSING-PLANT

A site used for changing or refining a particular material.

PROCESSING-PLANT-REPRESENTATION

A model of a PROCESSING-PLANT.

PROCESSING-PLANT-REPRESENTATION Existence Category Code

The state or condition of the PROCESSING-PLANT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

PROCESSING-PLANT-REPRESENTATION Height Range Code

Height range with greater precision (in meters).

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HTR0	Unknown
HTR1	<=0.5
HTR2	>0.5 and <=1.0
HTR3	>1.0 and <=1.5
HTR4	>1.5 and <=2.0
HTR5	>2.0 and <=5.0
HTR6	>5.0 and <=10.0
HTR7	>10.0 and <=20.0
HTR8	>20.0 and <=35.0
HTR9	>35.0

PROCESSING-PLANT-REPRESENTATION Highest Z Value Height Dimension

Elevation above a given datum to the highest portion of the PROCESSING-PLANT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

PROCESSING-PLANT-REPRESENTATION Permanency Code

Indicates whether a PROCESSING-PLANT is temporary or permanent.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

PROCESSING-PLANT-REPRESENTATION Predominant Height Dimension

Predominant height within delineation of the PROCESSING-PLANT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

PROCESSING-PLANT-REPRESENTATION Product Code

Principal material involved or product resulting from activity at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO100	Silver
PRO103	Snow/Ice
PRO107	Steel
PRO109	Sugar
PRO11	Cement
PRO112	Uranium
PRO113	Vegetation Products
PRO116	Water
PRO118	Zinc
PRO129	Tobacco
PRO13	Chemical
PRO134	Fish
PRO135	Textile
PRO17	Coal
PRO19	Coke
PRO2	Aluminum
PRO21	Concrete
PRO23	Copper
PRO33	Explosives
PRO35	Food
PRO38	Gas
PRO39	Gasoline
PRO40	Glass
PRO42	Gold
PRO5	Asphalt
PRO50	Heat
PRO51	Iron
PRO54	Lead
PRO56	Lumber
PRO64	Metal
PRO67	Oil
PRO71	Paper
PRO74	Plastic
PRO82	Radioactive Material
PRO85	Rubber
PRO9	Brick
PRO95	Sewage
PRO999	Other

PROCESSING-PLANT-REPRESENTATION Roof Density Rate

Roof cover within the area of PROCESSING-PLANT.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

PROCESSING-PLANT-REPRESENTATION Roof Shape Code

Roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR47	Sawtooth
SSR50	With Monitor
SSR55	Flat with Monitor
SSR6	Conical/Peaked/NUN
SSR64	Gable with Monitor
SSR77	With Cupola
SSR78	With Turret
SSR79	With Tower
SSR999	Other

PROCESSING-PLANT-REPRESENTATION Surface Material Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

PRODUCT-SPECIFICATION

The overarching guidance which specifies the form and content of a PRODUCT.

PUMPING-STATION

A facility to move solids, liquids or gases by means of pressure or suction.

PUMPING-STATION Identifier

The identifier that represents a specific PUMPING-STATION.

Data Type: Character-String **Length:** 35

PUMPING-STATION Text

The narrative or other description of a PUMPING-STATION.

Data Type: Character-String **Length:** 256

PUMPING-STATION-PIPELINE

An association of a PUMPING-STATION and a PIPELINE.

PUMPING-STATION-REPRESENTATION

A model of a PUMPING-STATION.

PUMPING-STATION-REPRESENTATION Conspicuous Category Code **New**

The code that indicates whether a pumping station is conspicuous.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

PUMPING-STATION-REPRESENTATION Height Dimension

The distance measured from the lowest point at the base at ground or water level to the tallest point of the feature.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

PUMPING-STATION-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes. For a square feature, measure either axis. For a round feature, measure the diameter.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

PUMPING-STATION-REPRESENTATION Operational Status Code

A code that represents the operational status of a PUMPING-STATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned

PUMPING-STATION-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 degrees) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 degrees should be recorded. If the feature is circular, 360 degrees shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

PUMPING-STATION-REPRESENTATION Physical Condition Code

A code that represents the physical condition of a PUMPING-STATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS62	Partially Destroyed
EXS7	Destroyed

PUMPING-STATION-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to length.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

QUALITATIVE-ASSESSMENT

Non-quantitative statements about the quality of an object.

QUALITATIVE-ASSESSMENT Accuracy Category Code

The code that indicates the accuracy of a geographic position.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ACC0	Unknown
ACC1	Accurate
ACC2	Approximate
ACC3	Doubtful
ACC5	Disputed
ACC6	Undisputed
ACC7	Precise
ACC8	Abrogated

QUALITATIVE-ASSESSMENT Remarks Text

Textual statements that describe the relative quality of an object.

Data Type: Character-String **Length:** 250

QUANTITATIVE-ASSESSMENT

The quantitative results of an examination of an object to determine its quality against a set of criteria.

QUANTITATIVE-ASSESSMENT Determination Method Text

Text which is used to describe the method in which the QUANTITATIVE-ASSESSMENT was determined.

Data Type: Character-String **Length:** 1000

QUANTITATIVE-ASSESSMENT Statistical Indicator Code

The code that indicates whether a QUANTITATIVE-ASSESSMENT is statistical in nature.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Statistical
2	Not Statistical

QUANTITATIVE-ASSESSMENT Type Code

The code that represents the type of QUANTITATIVE-ASSESSMENT.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	MEASUREMENT
02	TEMPORAL
03	THEMATIC
04	POSITION
05	COMPLETENESS
06	PIXEL

QUARRY-WALL-REPRESENTATION **New**

The wall facing of the excavation within a QUARRY-REPRESENTATION.

QUARRY-WALL-REPRESENTATION Depth Below Surface Dimension **New**

The distance measured from the highest point at surface level to the lowest point of the QUARRY-WALL below the surface.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 0 **Unit of Measure:** .1 Meter

QUARRY-WALL-REPRESENTATION Height Above Surface Level Dimension **New**

The distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the QUARRY-WALL.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

QUARRY-WALL-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the QUARRY-WALL.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

QUARRY-WALL-REPRESENTATION Surface Material Category Code **New**

A code indicating the surface material composition of the QUARRY-WALL excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC30	Earthen
SMC84	Rock/Rocky
SMC999	Other

QUARRY-WALL-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the QUARRY-WALL.

Data Type: Character-String **Length:** 6

QUAY

A solid structure extending parallel to the SHORELINE so that vessels may tie up along one side.

RACE-TRACK **New**

An often oval course designed for racing.

RACE-TRACK-REPRESENTATION **New**

A model of a RACE-TRACK

RACE-TRACK-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 deg) clockwise to the major axis of the RACE-TRACK-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degree

RADAR-HYDROGRAPHIC-AID-TO-NAVIGATION

A HYDROGRAPHIC-AID-TO-NAVIGATION that provides bearing and distance information for the purpose of marine navigation using ship's radar.

RADAR-HYDROGRAPHIC-AID-TO-NAVIGATION Band Code

The code that represents the RADAR-HYDROGRAPHIC-AID-TO-NAVIGATION band associated with a RADAR BEACON or RADAR MARKER.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
RNB1	10cm
RNB2	3cm
RNB3	10 and 3cm

RADAR-HYDROGRAPHIC-AID-TO-NAVIGATION Type Code

The code that represents a specific kind of RADAR-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
RNT0	Unknown
RNT1	RACON
RNT2	Coast Radar Station
RNT3	RAMARK

RADAR-RANGE

Indicates the coverage area of a sea area by a radar surveillance station. Inside this area a vessel may request shore based radar assistance, particularly in poor visibility.

RADAR-RANGE Identifier

The identifier that represents a RADAR-RANGE.

Data Type: Character-String **Length:** 35

RADAR-RANGE-REPRESENTATION

A model of a RADAR-RANGE.

RADAR-REFERENCE-LINE-REPRESENTATION **New**

A model of the line along which ships are guided by a traffic control center located in a radar station.

RADAR-REFERENCE-LINE-REPRESENTATION Bearing Angle **New**

The angular difference between Magnetic north and the magnetic bearing from the radar station to the ship.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1

Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Degree

RADAR-TRANSMITTER

A device for transmitting and receiving radar emissions.

RADAR-TRANSMITTER Identifier

The identifier that represents a RADAR-TRANSMITTER.

Data Type: Character-String **Length:** 35

RADAR-TRANSMITTER Service Branch Code

The code identifying a specific military organization.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU999	Other

RADAR-TRANSMITTER-REPRESENTATION

A descriptive and geometric model of a RADAR-TRANSMITTER.

RADAR-TRANSMITTER-REPRESENTATION Conspicuous Category Code

The code that indicates the conspicuousness of an object.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

RADAR-TRANSMITTER-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

RADAR-TRANSMITTER-REPRESENTATION Length Diameter Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

RADAR-TRANSMITTER-REPRESENTATION Location Category Code

The code depicting the status of the feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC8	On Ground Surface

RADAR-TRANSMITTER-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC107	Tower
SSC108	Scanner
SSC110	Radome, Tower Mounted
SSC60	Mast
SSC87	Dome
SSC999	Other

RADAR-TRANSMITTER-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC64	Metal
SMC72	Part Metal
SMC999	Other

RADAR-TRANSMITTER-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

RADIAL-LENS-DISTORTION-COEFFICIENT

A coefficient used to adjust radial lens distortion.

RADIAL-LENS-DISTORTION-COEFFICIENT Quantity

The value of the RADIAL-LENS-DISTORTION-COEFFICIENT.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** None

RADIAL-LENS-DISTORTION-COEFFICIENT Sequence Identifier

The identifier that indicates a particular RADIAL-LENS-DISTORTION-COEFFICIENT.

Data Type: Character-String **Length:** 15

RADIAL-LENS-DISTORTION-CORRECTION

Data required for the correction of radial lens distortion.

RADIAL-LENS-DISTORTION-CORRECTION Formula Text

The specific formula that describes the radial lens distortion coefficients.

Data Type: Character-String **Length:** 2000

RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION

A radio transmitting station which emits a characteristic radio signal for the purpose of marine navigation.

RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION Broadcast Frequency Rate

The rate of oscillation on which a RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION broadcasts.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 998.9 **Unit of Measure:** kHz

RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION Modulation Code

The code that represents the type of modulation for a RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
A1A	1 Double-sideband
A1A	2 Single channel containing quantized or digital information without the use of a modulating subcarrier
	3 Telegraphy (for aural reception)
A2A	1 Double-sideband
	2 Single channel containing quantized or digital information with the use of a modulating subcarrier
	3 Telegraphy (for aural reception)
A3C	1 Double-sideband
	2 Single channel containing analogue information
	3 Facsimile
A3E	1 Double-sideband
	2 Single channel containing analogue information without the use of a modulating subcarrier
	3 Telephony (including sound broadcasting)
A3F	1 Double-sideband
	2 Singe channel containing analogue information
	3 Television (Video)
B7D	1 Independent sidebands
	2 Two or more channels containing quantized or digital information
	3 Data transmissions, telemetry, telecommand
B8E	1 Independent sidebands
	2 Two or more channels containing analogue information
	3 Telephony (including sound broadcasting)
H2A	1 Single-sideband (full carrier)
	2 Single channel containing quantized or digital information with the use of a modulating subcarrier
	3 Telegraphy (for aural reception)
H3E	1 Single-sideband (full carrier)
	2 Single channel containing analogue information
	3 Telephony (including sound broadcasting)
J3E	1 Single-sideband (suppressed carrier)
	2 Single channel containing analogue information
	3 Telephony (including sound broadcasting)
NON	1 Emission of an unmodulated carrier
	2 No modulating signal
	3 No information transmitted
R3E	1 Single-sideband (reduced or variable level carrier)
	2 Single channel containing analogue information
	3 Telephony (including sound broadcasting)

RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION Transmission Seconds Quantity

The quantity of seconds which a RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION beacon transmits during a transmission cycle.

Data Type: Integer **Length:** 15 **Decimal Count:** 0

Min Value: 0 **Max Value:** 1e+015 **Unit of Measure:** Seconds

RADIOBEACON-HYDROGRAPHIC-AID-TO-NAVIGATION Type Code

The code that represents a specific kind of RADIOBEACON-HYDROGRAPHIC-AID-TO- NAVIGATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
NST0	Unknown
NST1	Circular Radio beacon
NST2	CONSOL
NST38	Aeronautical Radio beacon, Non-directional
NST4	Radio Direction Finding Station
NST5	Directional Radio beacon
NST51	Radio beacon, Type Unknown
NST53	QTG Station
NST59	Rotating Radio beacon

RAILROAD

A PASSAGEWAY designed to have one or more RAILROAD-TRACK.

RAILROAD Route Identifier

The identifier that represents a RAILROAD route.

Data Type: Character-String **Length:** 35

RAILROAD Type Code

The type of railroad system used to support various transportation uses.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RRC0	Unknown
RRC11	Rapid Transit Route - Rail
RRC13	Marine
RRC14	Tramway
RRC15	Inclined Railway
RRC16	Main Line
RRC17	Branch Line
RRC2	Car-Line
RRC21	Railroad in Road
RRC23	Cog
RRC3	Monorail
RRC6	Subway
RRC8	Logging
RRC999	Other

RAILROAD-REPRESENTATION

A model of a RAILROAD.

RAILROAD-TRACK

A ROAD with a railed surface.

RAILROAD-TRACK Primary Use Code

The code that represents the main purpose of traffic on a RAILROAD-TRACK.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Civilian
2	Military
3	General Purpose (passenger, freight)
4	Transshipping of cargo
5	Transloading of cargo
6	Repairing of trains
7	Combined functions

RAILROAD-TRACK Type Code

The code that represents the type of RAILROAD-TRACK.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
4	MAIN-LINE-RAILROAD-TRACK
RSA0	Unknown
RSA1	Spur
RSA2	Siding
RSA3	Passing

RAILROAD-TRACK-AXLE-LIMIT-REPRESENTATION-SEGMENT

A section of a RAILROAD-TRACK-REPRESENTATION-SEGMENT delimited by the constant value of its maximum allowable axle load.

RAILROAD-TRACK-AXLE-LIMIT-REPRESENTATION-SEGMENT Weight

The maximum weight per axle allowed on a RAILROAD-TRACK-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 2 **Decimal Count:** 0

Min Value: 1 **Max Value:** 50 **Unit of Measure:** Metric-Tons/Axle

RAILROAD-TRACK-POWER-SOURCE-REPRESENTATION-SEGMENT

A section of a RAILROAD-TRACK-REPRESENTATION-SEGMENT delimited by the constant value of its power source.

RAILROAD-TRACK-POWER-SOURCE-REPRESENTATION-SEGMENT Current Type Code

The code that represents the type of current used for a RAILROAD-TRACK-POWER-SOURCE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RCT1	Alternating
RCT2	Direct
RCT3	Combination
RRA0	Unknown
RRA1	Electrified Track
RRA3	Overhead Electrified
RRA4	Non-electrified
RRA999	Other

RAILROAD-TRACK-POWER-SOURCE-REPRESENTATION-SEGMENT Nominal Voltage Quantity

The quantity of minimum voltage required to power an electric locomotive on a RAILROAD-TRACK-POWER-SOURCE-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 30 **Unit of Measure:** Volts

RAILROAD-TRACK-POWER-SOURCE-REPRESENTATION-SEGMENT Power Source Code

The code that represents the power source used on a RAILROAD-TRACK-POWER-SOURCE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RRA0	Unknown
RRA1	Electrified Track
RRA3	Overhead Electrified
RRA4	Non-Electrified
RRA5	Magnetic Levitation
RRA999	Other

RAILROAD-TRACK-REPRESENTATION

A model of a RAILROAD-TRACK.

RAILROAD-TRACK-REPRESENTATION Cumulative Length Dimension **New**

The cumulative length of a RAILROAD-TRACK-REPRESENTATION.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 1 **Max Value:** 1e+015 **Unit of Measure:** Meters

RAILROAD-TRACK-REPRESENTATION Gauge Category Code **New**

The code indicating the type of gauge used in the RAILROAD-TRACK-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RGC0	Unknown
RGC1	Broad
RGC2	Narrow
RGC3	Normal (Country Specific)

RAILROAD-TRACK-REPRESENTATION Gauge Width Dimension

The inside width dimension of a RAILROAD-TRACK-REPRESENTATION.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 3
Min Value: 0 **Max Value:** 2 **Unit of Measure:** Meters

RAILROAD-TRACK-REPRESENTATION-SEGMENT

A section of a RAILROAD-TRACK-REPRESENTATION delimited by the constant value of a specific characteristic.

RAILROAD-TRACK-REPRESENTATION-SEGMENT Characteristic Type Code

The code that represents the characteristic that delimits a RAILROAD-TRACK-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	RAILROAD-TRACK-POWER-SOURCE
2	RAILROAD-TRACK-TIE-MATERIAL
3	RAILRAOD-TRACK-AXLE-LIMIT

RAILROAD-TRACK-REPRESENTATION-SEGMENT Length Dimension

The length of a RAILROAD-TRACK-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1e+015 **Unit of Measure:** Meters

RAILROAD-TRACK-TIE-MATERIAL-REPRESENTATION-SEGMENT

A section of a RAILROAD-TRACK-REPRESENTATION-SEGMENT delimited by the constant value of the physical make up of the beam used to support the RAILROAD-TRACK.

RAILROAD-TRACK-TIE-MATERIAL-REPRESENTATION-SEGMENT Type Code

The code that represents the railroad track tie material on a RAILROAD-TRACK-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC107	Steel
MCC117	Wood
MCC21	Concrete

RAILROAD-TURNTABLE

A rotating platform with railroad tracks used for turning locomotives or cars/carriages.

RAILROAD-TURNTABLE Identifier

the unique identifier for a RAILROAD-TURNTABLE.

Data Type: Character-String **Length:** 35

RAILROAD-TURNTABLE-REPRESENTATION

A model of a RAILROAD-TURNTABLE.

RAILROAD-TURNTABLE-REPRESENTATION Existence Category Code

The state or condition of the RAILROAD-TURNTABLE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused

RAILROAD-TURNTABLE-REPRESENTATION Surface Material Code

The surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SMC72	Part Metal

RAILROAD-TURNTABLE-TRACK

The association of a RAILROAD-TURNTABLE and the RAILROAD-TRACK that it connects with.

RAILROAD-YARD

A system of tracks with defined limits and associated features provided for loading/unloading and assembling of trains.

RAILROAD-YARD Identifier

The identifier that represents a RAILROAD-YARD.

Data Type: Character-String **Length:** 35

RAILROAD-YARD Primary Use Code

The code that represents the main function of a RAILROAD-YARD.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE164	Classification of Trains
USE165	General Purpose (Passenger, Freight)
USE166	Transshipping of Cargo
USE167	Transloading of Cargo
USE168	Repair of Trains

RAILROAD-YARD-REPRESENTATION

A model of a RAILROAD-YARD.

RAILROAD-YARD-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the RAILROAD-YARD-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS8	Dismantled
EXS999	Other

RAILROAD-YARD-REPRESENTATION Cumulative Track Length Dimension

The total length of RAILROAD-TRACK excluding the main line railroad track at a RAILROAD-YARD.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Meters

RAILROAD-YARD-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

RAILROAD-YARD-REPRESENTATION Track Quantity

The number of track(s) or lanes of the feature, including both directions.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99 **Unit of Measure:** Each

RAILROAD-YARD-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

RAMP

An inclined plane usually man-made for moving between two levels. (See also BB240.)

RAMP-REPRESENTATION

A model of a RAMP on dry land.

RAMP-REPRESENTATION Location Category Code

The code that indicates the status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC1	Above Surface/Does not Cover (Height Known)
LOC2	Awash at Chart Datum
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC3	Dries/Covers (Height Unknown)
LOC4	Below Water Surface
LOC40	Underground
LOC8	On Ground Surface

RANGE-CENTERLINE-REPRESENTATION **New**

A model of a surveyed reference track marking the center of a test range. Vessels undergoing testing must maintain position along this track.

RANGE-LIGHT-GROUP-COMPONENT

A range light belonging to a VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP that provides position sequence information within that group.

RANGE-LIGHT-GROUP-COMPONENT Position Code

The code that represents the relative position of the Range Light Component in a group.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	Back
F	Front

RASTER-OBJECT

A zero dimensional RASTER-OBJECT-GEOMETRY.

RASTER-OBJECT-GEOMETRY

A geometric element described in the raster object space of a DATASET.

RASTER-OBJECT-GEOMETRY Identifier

The identifier which represents a RASTER-OBJECT-GEOMETRY.

Data Type: Character-String **Length:** 20

RASTER-OBJECT-GEOMETRY Type Code

The code that indicates the type of RASTER-OBJECT-GEOMETRY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	RASTER-OBJECT
2	RASTER-OBJECT-LINE
3	RASTER-OBJECT-SURFACE

RASTER-OBJECT-LINE

A one-dimensional RASTER-OBJECT-GEOMETRY.

RASTER-OBJECT-LINE-ELEMENT

A sequentially ordered RASTER-OBJECT that defines in part a RASTER-OBJECT-LINE.

RASTER-OBJECT-LINE-ELEMENT Sequence Identifier

The sequential order of a RASTER-OBJECT along a RASTER-OBJECT-LINE.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	1	**Max Value:**	999	**Unit of Measure:**	None

RASTER-OBJECT-MEASUREMENT-REPRESENTATION

A quality that a raster object represents.

RASTER-OBJECT-MEASUREMENT-REPRESENTATION Bits Per Raster Object Quantity

The number of bits that represent a raster quality.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	Bits

RASTER-OBJECT-MEASUREMENT-REPRESENTATION Name

The name of a measurable quality that a raster object represents.

Data Type:	Character-String	**Length:**	50

RASTER-OBJECT-MEASUREMENT-REPRESENTATION Starting Bit Identifier

The identifier that represents the starting position within the bitstream (with 1 as the first bit) of a RASTER-OBJECT-MEASUREMENT-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99999	**Unit of Measure:**	None

RASTER-OBJECT-POSITION

The location of a RASTER-OBJECT along one axis of raster space.

RASTER-OBJECT-POSITION Offset Quantity

The position offset along the RASTER-OBJECT-REPRESENTATION-AXIS of a RASTER-OBJECT.

Data Type:	Floating-Point	**Length:**	7	**Decimal Count:**	0
Min Value:	-100000	**Max Value:**	100000	**Unit of Measure:**	Each

RASTER-OBJECT-REPRESENTATION

The description of the representation of space by raster objects in a DATASET.

RASTER-OBJECT-REPRESENTATION Pixel Justification Type Code

The code that indicates the justification of significant bits of the pixel when actual bits per pixel are smaller than the total size of the pixel.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
L	Left justified
R	Right justified

RASTER-OBJECT-REPRESENTATION Pixel Value Type Code

The code that indicates the data type of the pixel.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
B	Bilevel
C	Complex
INT	Integer
R	Real
SI	2's complement signed integer

RASTER-OBJECT-REPRESENTATION Type Code

The code that indicates the type of RASTER-OBJECT-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Grid Cell
2	Pixel
3	Point
4	Voxel

RASTER-OBJECT-REPRESENTATION-AXIS

A reference line from which RASTER-OBJECT-REPRESENTATION objects are measured.

RASTER-OBJECT-REPRESENTATION-AXIS Geodetic Interval Angle

The angle between raster objects as measured from the center of the earth.

Data Type: Floating-Point **Length:** 8 **Decimal Count:** 2
Min Value: -180 **Max Value:** 180 **Unit of Measure:** Degrees

RASTER-OBJECT-REPRESENTATION-AXIS Ground Spacing Dimension

The space between raster objects on a RASTER-OBJECT-REPRESENTATION-AXIS as measured against the ground.

Data Type: Fixed-Point **Length:** 10 **Decimal Count:** 2
Min Value: 0.01 **Max Value:** 9999999.99 **Unit of Measure:** Meters

RASTER-OBJECT-REPRESENTATION-AXIS Name

The label of the axis.

Data Type: Character-String **Length:** 50

RASTER-OBJECT-REPRESENTATION-AXIS Object Quantity

The number of raster objects on the axis of a matrix.

Data Type:	Integer	**Length:**	10	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999999	**Unit of Measure:**	Each

RASTER-OBJECT-REPRESENTATION-AXIS Starting Object Identifier

The identifier that represents the starting position of this axis. (note- this allows a start of 0, 1, or something arbitrary like 500).

Data Type:	Integer	**Length:**	10	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999999	**Unit of Measure:**	None

RASTER-OBJECT-SURFACE

A two dimensional RASTER-OBJECT-GEOMETRY.

RASTER-OBJECT-SURFACE Type Code

The code that indicates the type of RASTER-OBJECT-SURFACE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	RASTER-OBJECT-SURFACE-PATCH
2	RASTER-OBJECT-SURFACE-RECTANGLE

RASTER-OBJECT-SURFACE-PATCH

A RASTER-OBJECT-SURFACE defined by the space occupied by a collection of RASTER-OBJECTs.

RASTER-OBJECT-SURFACE-PATCH-OBJECT

The association of a RASTER-OBJECT-SURFACE-PATCH with a RASTER-OBJECT.

RASTER-OBJECT-SURFACE-RECTANGLE

A rectilinear RASTER-OBJECT-SURFACE.

RASTER-OBJECT-VALUE

All or part of the value stored within a RASTER-OBJECT.

RASTER-OBJECT-VALUE Quantity

The quantity that represents the value stored in a RASTER-OBJECT.

Data Type:	Integer	**Length:**	9	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999999	**Unit of Measure:**	None

RECREATION-STRUCTURE

A generalization of a set of recreational features.

RECREATION-STRUCTURE Type Code

The code that indicates the type of RECREATION-STRUCTURE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Area-Recreation-Structure
2	Specialized-Recreation-Structure
3	Vertical-Recreation-Structure

RECREATION-STRUCTURE-REPRESENTATION

A model of the common attributes of a RECREATION-STRUCTURE.

RECREATION-STRUCTURE-REPRESENTATION Type Code

The code that represents the type of RECREATION-STRUCTURE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Area-Recreation-Structure
2	Specialized-Recreation-Structure
3	Vertical-Recreation-Structure

RECTANGLE-AREA

A REGULAR-AREA with opposite sides of equal length and adjacent sides at right angles.

RECTANGULAR-COOLING-TOWER **New**

A COOLING-TOWER that is rectangular in shape at its base.

RECTANGULAR-COOLING-TOWER-REPRESENTATION **New**

A model of a RECTANGULAR-COOLING-TOWER.

RECTANGULAR-COOLING-TOWER-REPRESENTATION Length Dimension **New**

The measured horizontal distance of the longer axis of the RECTANGULAR-POWER-PLANT-COOLING-TOWER.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

RECTANGULAR-COOLING-TOWER-REPRESENTATION Orientation Angle **New**

The azimuth measured from true north to the longest centerline of the RECTANGULAR-POWER-PLANT-COOLING-TOWER.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Decimal Degrees

RECTANGULAR-COOLING-TOWER-REPRESENTATION Width Dimension **New**

The measured horizontal distance of the shorter axis of the RECTANGULAR-POWER-PLANT-COOLING-TOWER.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

RECTANGULAR-MOVEMENT-SURFACE-REPRESENTATION

A model of a RECTANGULAR-MOVEMENT-SURFACE.

RECTANGULAR-MOVEMENT-SURFACE-REPRESENTATION Length Dimension

The length in feet of the serviceable portion of a RECTANGULAR-MOVEMENT-SURFACE.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	Feet

RECTANGULAR-MOVEMENT-SURFACE-REPRESENTATION Width Dimension

The width in feet of the serviceable portion of a RECTANGULAR-MOVEMENT-SURFACE.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	Feet

RECTANGULAR-SMOKESTACK

A SMOKESTACK that is rectangular in shape at its base.

RECTANGULAR-SMOKESTACK-REPRESENTATION

A model of a RECTANGULAR-SMOKESTACK.

RECTANGULAR-SMOKESTACK-REPRESENTATION Length Dimension

The measured horizontal distance of the longer axis of the RECTANGLE-SMOKESTACK.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	99.9	**Unit of Measure:**	Meters

RECTANGULAR-SMOKESTACK-REPRESENTATION Orientation Angle

The azimuth measured from true north to the longest centerline of the RECTANGLE-SMOKESTACK .

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	0	**Max Value:**	359.9	**Unit of Measure:**	Decimal Degrees

RECTANGULAR-SMOKESTACK-REPRESENTATION Width Dimension

The measured horizontal distance of the shorter axis of the RECTANGLE-SMOKESTACK.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	99.9	**Unit of Measure:**	Meters

REEF-REPRESENTATION

A model of a strip or ridge of rocks, sand, or coral that rises to or near the surface of a body of water.

REEF-REPRESENTATION Area **New**

The absolute area within the delineation of the REEF-REPRESENTATION.

Data Type:	Floating-Point	**Length:**	6	**Decimal Count:**	0
Min Value:	0.01	**Max Value:**	32767	**Unit of Measure:**	Square Meter

REEF-REPRESENTATION Certainty of Delineation **New**

The code that indicates knowledge of the limits and knowledge associated with the REEF-REPRESENTATION.

Data Type: Character-String **Length:** 4

REEF-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the REEF-REPRESENTATION. For a round REEF-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

REEF-REPRESENTATION Material Composition Code

The primary material of which a reef is composed.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC10	Calcareous
MCC24	Coral
MCC25	Coral Head
MCC84	Rock/Rocky
MCC999	Other

REEF-REPRESENTATION Name

Any Identifier or code.

Data Type: Character-String **Length:** 80

REEF-REPRESENTATION Surface Reference Type Code

The relation to the water surface from the reef.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
VRR1	ABOVE-SURFACE-REEF-REPRESENTATION
VRR4	SUBMERGED-REEF-REPRESENTATION
VRR8	COVERED-AND-UNCOVERED-REEF-REPRESENTATION

REEF-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the REEF-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

REFERENCE-COORDINATE-SYSTEM

A system of spatial measurement with an unambiguously defined origin.

REFERENCE-COORDINATE-SYSTEM Identifier **New**

The identifier that represents a unique combination of REFERENCE-DATUM and COORDINATE-SYSTEM.

Data Type: Character-String **Length:** 20

REFERENCE-COORDINATE-SYSTEM Axes Direction Code

The code that indicates the names of the axes directions of a REFERENCE-COORDINATE-SYSTEM.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
1	Y=North, X=East
10	Y=South, X=East, Height Dimension=Down
2	Y=South, X=West
3	Height Dimension=Up
4	Height Dimension=Down Height Dimension=Down
5	Y=North, X=East, Height Dimension=Up
6	Y=North, X=East, Height Dimension=Down
7	Other
8	Not Applicable
9	Y=South, X=East, Height Dimension=Up

REFERENCE-COORDINATE-SYSTEM Name

The name of the REFERENCE-COORDINATE-SYSTEM.

Data Type: Character-String **Length:** 50

REFERENCE-COORDINATE-SYSTEM Text

A description of the REFERENCE-COORDINATE-SYSTEM.

Data Type: Character-String **Length:** 1000

REFERENCE-DATUM

A collection of geometric elements used as a reference.

REFERENCE-DATUM Identifier

The identifier that represents a REFERENCE-DATUM.

Data Type: Character-String **Length:** 20

REFERENCE-DATUM Inertial Code

The code that indicates the type of REFERENCE-DATUM in relation to inertial considerations.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Earth Fixed
2	Inertial Inertial
3	Quasi-inertial
4	Not Applicable

REFERENCE-DATUM Name

The name of the REFERENCE-DATUM.

Data Type: Character-String **Length:** 50

REFERENCE-DATUM Origin Point Code

The code that indicates the type of origin point included in this REFERENCE-DATUM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Geocentric
2	Topocentric
3	Geomagnetic-centric
4	Heliocentric
5	Arbitrary
6	Other

REFERENCE-DATUM Text

A description of the REFERENCE-DATUM.

Data Type: Character-String **Length:** 1000

REFERENCE-DATUM Usage Code

The code that indicates the usage of a REFERENCE-DATUM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Horizontal Only
2	Vertical - Non Sounding
3	Vertical - Sounding
4	3D

REFERENCE-ELEVATION-POINT

A POINT whose vertical component is defined by reference to a specified surface.

REFERENCE-ELEVATION-POINT Type Code

The code that represents the non-specific reference surface which denotes the elevation of a POINT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
REP1	Ground Surface
REP2	Sea Floor
REP3	Sea Surface
REP4	Unspecified

REFERENCE-SURFACE

The reference point from which a particular measurement is made.

REFERENCE-SURFACE Type Code

A code indicating the REFERENCE-SURFACE the measurement is based on.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
AGL	Above Ground Level
AMSL	ABOVE MEAN SEA LEVEL
SFC	SURFACE

REGULAR-AREA

A SURFACE with at least two lines of symmetry.

REGULAR-AREA Major Dimension

The length equal to twice the major axis of a REGULAR-AREA.

Data Type: Floating-Point **Length:** 11 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999.999 **Unit of Measure:** Meters

REGULAR-AREA Minor Dimension

The length equal to twice the minor axis of a REGULAR-AREA.

Data Type: Floating-Point **Length:** 11 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999.999 **Unit of Measure:** Meters

REGULAR-AREA Orientation Angle

The angle of rotational measurement, measured clockwise from true North to a line parallel to the minor axis of a REGULAR-AREA.

Data Type: Floating-Point **Length:** 13 **Decimal Count:** 0
Min Value: 0 **Max Value:** 6.2831853072 **Unit of Measure:** Radians

REGULAR-AREA Type Code

The code that denotes a class of REGULAR-AREA.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	ELLIPSE-AREA
2	RECTANGLE-AREA

RELEASE-MARKING

A mark identifying a COUNTRY or country grouping to which data is authorized for release.

RELEASE-MARKING Code

A code that indicates security control and release markings.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
TBD	TBD

RELEASE-MARKING-RESTRICTION-RELEASE-RESTRAINT

The association between a specific RELEASE-MARKING and a specific RESTRICTION-RELEASE-CONSTRAINT.

RELIEF-REPRESENTATION

A model of the shape of the Earth.

RELIEF-REPRESENTATION Type Code

The code that indicates the type of RELIEF-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BE010	Depth Curve
BE015	Depth Contour
BE019	Depth Area
BE020	Sounding
BE021	Drying Line, Low Water Line - LWL
BE022	Sand Line
BE023	Mud Line
BE029	Bottom Return
BE030	Track Swath
BE040	Track Line
CA010	Contour Line (Land)
CA020	Ridge Line
CA025	Valley Bottom Line
CA026	Breakline
CA030	Spot Elevation
CA040	Contour Polygon
DB176	Slope Category

RESERVOIR

Manmade open STANDING-INLAND-WATER with a constructed shoreline formed for the storage of water.

RESERVOIR Containment Method Code **New**

A code indicating the method used to contain the water in a RESERVOIR.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RTP1	Constructed Basin
RTP2	Back-up Water Impounded by a Dam

RESERVOIR Type Code

The code the represents the type of RESERVOIR.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
7	POWER-PLANT-COOLING-POND
8	SALT-EVAPORATOR
BH040	FILTRATION-BED
BH050	FISH-FARM
BH081	SETTLILNG-BASIN
BH100	MOAT
BI010	CISTERN

RESERVOIR-REPRESENTATION **New**

A model of a RESERVOIR.

RESERVOIR-REPRESENTATION Existence Category Code **New**

The state or condition of the RESERVOIR-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction

RESERVOIR-REPRESENTATION Height Above Surface Level Dimension **New**

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the RESERVOIR-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

RESERVOIR-REPRESENTATION Hydrological Category Code **New**

The code that identifies the annual water content of the RESERVOIR-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HYC0	Unknown
HYC3	Dry
HYC6	Non-Perennial/Intermittant/Fluctuating
HYC8	Perennial/Permanent

RESERVOIR-REPRESENTATION Length/Diameter Dimension **New**

A measurement of the longer of two linear axes of the RESERVOIR-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

RESERVOIR-REPRESENTATION Location Category Code **New**

A code indicating the status of the RESERVOIR-REPRESENTATION relative to the surrounding area or water.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LOC40	Underground
LOC8	On Ground Surface

RESERVOIR-REPRESENTATION Periodic Restriction Category Code **New**

A code indicating the periodic restrictions associated with the RESERVOIR-REPRESENTATION due to climate or other limitations.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRC0	Unknown
PRC1	Perennially Open, Not Subject to Ice
PRC2	Subject to Ice
PRC3	Permanent Ice

RESERVOIR-REPRESENTATION Surface Material Category Code **New**

A code indicating the surface material composition of the RESERVOIR-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC116	Water
SMC120	Sand and Gravel
SMC126	Sand and Mud
SMC999	Other

RESTRICTION

Restrictions or controls imposed on an object.

RESTRICTION Date

The date that a restriction was or will be applied.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

RESTRICTION Identifier

The identifier that represents a particular DATASET-RESTRICTION.

Data Type: Character-String **Length:** 3

RESTRICTION Item Type Code

The code that represents the item type of RESTRICTION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	GEOSPATIAL-FEATURE-REPRESENTATION-RESTRICTION
2	GEOSPATIAL-FEATURE-REPRESENTATION-ATTRIBUTE-RESTRICTION
3	DATASET-RESTRICTION

RESTRICTION Type Code

The code that represents the type of DATASET-RESTRICTION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	RESTRICTION-SECURITY-CODEWORD
02	RESTRICTION-CLASSIFICATION
03	RESTRICTION-DOWNGRADE
04	RESTRICTION-HANDLING-CAVEAT
05	RESTRICTION-RELEASE-CONSTRAINT
06	RESTRICTION-LICENSE
07	RESTRICTION-ACCESS-CONSTRAINT
08	RESTRICTION-USE-CONSTRAINT
09	RESTRICTION-LIMITED-DISTRIBUTION
10	RESTRICTION-SPECIAL-CATEGORY

RESTRICTION-ACCESS-CONSTRAINT

Statements that describe constraints to access an object.

RESTRICTION-ACCESS-CONSTRAINT Text

The text that describes access restriction on a DATASET.

Data Type: Character-String **Length:** 255

RESTRICTION-CLASSIFICATION

A type of RESTRICTION event which captures the classification level of a classified object.

RESTRICTION-CLASSIFICATION Authority Type Code

The code that represents the type of classification authority used to classify a DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	Derivative
I	Imagery as defined in E.O. 12951
M	Derivative from multiple sources
O	Original Classification Authority

RESTRICTION-CLASSIFICATION Description Text

A description which provides additional information about the classification of a DATASET.

Data Type: Character-String **Length:** 44

RESTRICTION-CLASSIFICATION Reason Classified Code

The code that indicates the reason for classifying the DATASET.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	military plans, weapons systems, or operations
B	foreign government information
C	intelligence activities including special activities), intelligence sources or methods, or cryptology
D	foreign relations or foreign activities of the United States, including confidential sources
E	scientific, technological, or economic matters relating to the national security
F	United States Government programs for safeguarding nuclear materials or facilities
G	vulnerabilities or capabilities of systems, installations, projects or plans relating to the national security

RESTRICTION-CONTROLLED-BY-AGREEMENT

Restrictions placed upon an object that are described within an AGREEMENT.

RESTRICTION-DECLASSIFICATION

The scheduled declassification of an object without overt action.

RESTRICTION-DECLASSIFICATION Date

The date that an object will be declassified.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

RESTRICTION-DECLASSIFICATION Declassification Description Text

The text that describes the declassification of a DATASET.

Data Type: Character-String **Length:** 255

RESTRICTION-DECLASSIFICATION-EXEMPTION

Information about a declassification exemption condition for an object.

RESTRICTION-DECLASSIFICATION-EXEMPTION Reason Code

The code that indicates the reason a DATASET is exempt from declassification.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
25X1	DoD Dir 5200.1-R. paragraph 4-301a (1)
25X2	DoD Dir 5200.1-R. paragraph 4-301a (2)
25X3	DoD Dir 5200.1-R. paragraph 4-301a (3)
25X4	DoD Dir 5200.1-R. paragraph 4-301a (4)
25X5	DoD Dir 5200.1-R. paragraph 4-301a (5)
25X6	DoD Dir 5200.1-R. paragraph 4-301a (6)
25X7	DoD Dir 5200.1-R. paragraph 4-301a (7)
25X8	DoD Dir 5200.1-R. paragraph 4-301a (8)
25X9	DoD Dir 5200.1-R. paragraph 4-301a (9)
X1	Reveal the identity of confidential human source, or reveal infromation about an intelligence source or method, or human intelligence source when theunauthorized disclosure of that source would clearly damage the national security interests of the U.S.
X2	Reveal infromation that would assist in the development or use of weapons of mass destruction
X3	Reveal information that would impair the application of state of the art technology within a U.S. weapon system
X4	Reveal information that would impair the application state of the art technology within a U.S. weapon system
X5	Reveal actual U.S. military war plans that remain in effect
X6	Reveal information that would seriously and demonstrably impair relations between the United States and a foreign government, or seriously and demonstrably undermine ongoing diplomatic activities of the United States
X7	Reveal information that would clearly and demonstrably impair the current ability of U.S. Government officialsto protect the President, Vice President, and other officials for whom protection services, in the interest of national security, are authori
X8	Reveal information that would seriously and demostrably impair current national security emergency and prepardness plans
X9	Violate a statue, treaty, or international agreement

RESTRICTION-DOWNGRADE

The downgrade of an object from one security classification to a lower security classification.

RESTRICTION-DOWNGRADE Date

The date that on which an object is to be downgraded.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

RESTRICTION-HANDLING-CAVEAT

Instructions that describe constraints on the handling of an object..

RESTRICTION-HANDLING-CAVEAT Code

The code that indicates the type of HANDLING-CAVEAT for a restricted DATASET.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
1	US Only
2	Propin
3	Orcon
4	For Official Use Only
5	Restrictive Data
6	Formerly Restrictive Data

RESTRICTION-LICENSE

A commercial agreement describing the use of a licensed object.

RESTRICTION-LIMITED-DISTRIBUTION

Restrictions involving limited distribution discretionary access controls.

RESTRICTION-LIMITED-DISTRIBUTION Text

The text that describes the limited distribution discretionary access control code for a restricted item.

Data Type: Character-String **Length:** 50

RESTRICTION-RELEASE-CONSTRAINT

Constraints placed on an object that indicate which COUNTRY and/or ORGANIZATION may receive it.

RESTRICTION-RELEASE-CONSTRAINT Authorization Type Code

The code that depicts whether the DATASET-RESTRICTION-RELEASE-CONSTRAINT applies to an ORGANIZATION or to a COUNTRY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Country-based Release Constraint
2	Organization-based Release Constraint

RESTRICTION-SECURITY-CODEWORD

Security compartment associated with a compartmented object.

RESTRICTION-SPECIAL-CATEGORY

A restriction that involves discretionary access control.

RESTRICTION-SPECIAL-CATEGORY Text

The text representation of a RESTRICTION-SPECIAL-CATEGORY.

Data Type: Character-String **Length:** 256

RESTRICTION-USE-CONSTRAINT

A limitation on the way in which an object may be used.

RESTRICTION-USE-CONSTRAINT Text

The text description of a use restriction associated with a DATASET.

Data Type: Character-String **Length:** 1020

REVETMENT

New

A barricade which protects an aircraft, equipment, or facilities from hostile action.

REVETMENT Code

New

A code indicating a revetment is open or covered.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Covered
O	Open
U	Unknown

REVETMENT Identifier

New

An identifier that uniquely represents a revetment.

Data Type: Character-String **Length:** 35

REVETMENT-REPRESENTATION

New

A model of a REVETMENT.

REVETMENT-REPRESENTATION Condition Code

New

A code indicating the state or condition of the REVETMENT-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

REVETMENT-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the REVETMENT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC103	Snow/Ice
SMC107	Steel
SMC117	Wood
SMC16	Clay
SMC20	Composition
SMC21	Concrete
SMC24	Coral
SMC257	Ice
SMC258	Snow
SMC30	Earthen
SMC46	Gravel
SMC5	Asphalt
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC8	Boulders
SMC83	Reinforced Concrete
SMC9	Brick
SMC999	Other

RIG

A vertical structure fitted for drilling or lifting operations.

RIG Conspicuous Category Code

A code indicating the conspicuous nature of the object.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

RIG Existence Code

The code that indicates the state or condition of the RIG.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

RIG Helipad Availability Code **New**

The code indicating the availability of a helipad at the RIG.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AFA0	Unknown
AFA19	Helipad
AFA995	None

RIG Identifier

The identifier that represents a RIG.

Data Type: Character-String **Length:** 35

RIG Location Code **New**

A code indicating the status of the feature relative to the surrounding water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC22	Off Shore
LOC999	Other

RIG Permanency Code

A code indicating the permanency of the RIG.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

RIG Product Code

The code indicating the principal material involved or product resulting from activity at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO116	Water
PRO38	Gas
PRO67	Oil
PRO999	Other

RIG Structure Shape Category Code

A code indicating the geometric form, appearance, or configuration of the RIG.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC52	'A' Frame
SSC999	Other

RIG-REPRESENTATION

A model of a RIG.

RIG-REPRESENTATION Height Above Surface Level Dimension

The distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the RIG-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

RIG-REPRESENTATION Height Range Code

A code indicating the height range with greater precision.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HTR0	Unknown
HTR1	<=0.5
HTR2	>0.5 and <=1.0
HTR3	>1.0 and <=1.5
HTR4	>1.5 and <=2.0
HTR5	>2.0 and <=5.0
HTR6	>5.0 and <=10.0
HTR7	>10.0 and <=20.0
HTR8	>20.0 and <=35.0
HTR9	>35.0

RIG-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the RIG.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

RIG-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes. If the RIG-REPRESENTATION is round, measure the diameter.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

RIG-REPRESENTATION Material Composition Code **New**

A code indicating the characteristics of the primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC64	Metal
MCC999	Other

RIG-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

RIG-REPRESENTATION Surface Material Composition Code **New**

The code indicating the surface material composition of the RIG.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

RIG-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. of the RIG.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

RING

A set of RING-EDGEs connected by their EDGE-TERMINAL-NODEs such that each EDGE-TERMINAL-NODE is shared by exactly two RING-EDGEs.

RING-EDGE

The association of a specific EDGE with a specific RING.

RING-EDGE Direction Code

The code that denotes the direction in which an edge is traversed when that edge is a component of a RING.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EDC1	Start node to end node
EDC2	End node to start node

RING-EDGE Sequence Identifier

The identifier that represents the sequence of a RING-EDGE that defines a FACE.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999999 **Unit of Measure:** None

RIP-RAP-REPRESENTATION

A model of a RIP-RAP.

RIP-RAP-REPRESENTATION Area **New**

The absolute area within the delineation of the RIP-RAP.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

ROAD

A surface facilitating the movement of traffic. The surface may be designed and prepared (an IMPROVED-ROAD) or it may be unprepared (an UNIMPROVED-ROAD) and created by the wanderings of animals, carts or people.

ROAD Identifier

The identifier that represents a ROAD.

Data Type: Character-String **Length:** 25

ROAD Improvement Indicator Code

A code that indicates whether or not a ROAD is improved.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Improved Road
2	Unimproved Road

ROAD-BEARING-CAPACITY-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of its ability to support a load.

ROAD-BEARING-CAPACITY-REPRESENTATION-SEGMENT Rate

The rate of the maximum allowable load of a ROAD-BEARING-CAPACITY-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Pascals

ROAD-CROSSING

An association between a ROAD and a particular CROSSING.

ROAD-CURVATURE-REPRESENTATION-SEGMENT

A section of a model of a ROAD, delimited by a constant radius of curvature.

ROAD-CURVATURE-REPRESENTATION-SEGMENT Radius Dimension

The radius dimension of a ROAD-CURVATURE-REPRESENTATION-SEGMENT.

Data Type: Floating-Point **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999.99 **Unit of Measure:** Meters

ROAD-DAM

An association of a specific ROAD associated with a specific DAM.

ROAD-EXTRINSIC-SURFACE-CONDITION-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION-SEGMENT delimited by the environmental conditions on a road.

ROAD-EXTRINSIC-SURFACE-CONDITION-REPRESENTATION-SEGMENT Code

The code that represents the environmental condition which has an effect on a ROAD-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
REC1	Ice
REC10	Patchy Snow
REC11	Dry
REC12	Lava
REC13	Slush
REC14	Loose Snow
REC2	Sand
REC3	Fallen Tree
REC4	Earth Slide
REC5	Packed Snow
REC6	Water
REC7	Mud
REC8	Debris
REC9	Rocks

ROAD-FORD-REPRESENTATION-SEGMENT

A section of a model of a ROAD which crosses a body of water.

ROAD-FORD-REPRESENTATION-SEGMENT Prepared Surface Type Code

The code that represents whether the surface of the ROAD-FORD-REPRESENTATION-SEGMENT is prepared.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RST0	Unknown
RST1	Hard Paved
RST2	Loose/Unpaved

ROAD-FORD-REPRESENTATION-SEGMENT Water Coverage Code

The code that represents whether the ROAD-FORD-REPRESENTATION-SEGMENT is normally under water.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
WLE2	Above Water
WLE3	Underwater

ROAD-HEIGHT-ABOVE-SURFACE-LEVEL-REPRESENTATION-SEGMENT **New**

A section of ROAD delimited by a constant value of height above surface level.

ROAD-HEIGHT-ABOVE-SURFACE-LEVEL-REPRESENTATION-SEGMENT Dimension **New**

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** meter

ROAD-HORIZONTAL-CLEARANCE-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of its horizontal clearance.

ROAD-HORIZONTAL-CLEARANCE-REPRESENTATION-SEGMENT Clearance Dimension

The unobstructed horizontal extent along a ROAD-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0 **Max Value:** 1000 **Unit of Measure:** Meters

ROAD-INTENDED-USE-REPRESENTATION-SEGMENT New

A section of a ROAD-REPRESENTATION delimited by the constant value of the ROUTE-INTENDED-USE-CODE.

ROAD-INTENDED-USE-REPRESENTATION-SEGMENT Intended Use Code New

Code that indicates the intended use of the route.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RTT0	Unknown
RTT14	Primary Route
RTT15	Secondary Route
RTT16	Limited Access Route (e.g. Motorway/Autobahn/Interstate
RTT999	Other

ROAD-INTERCHANGE

The association between a ROAD and an INTERCHANGE on that road.

ROAD-INTRINSIC-SURFACE-CONDITION-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of the inherent state of the surface of a ROAD.

ROAD-INTRINSIC-SURFACE-CONDITION-REPRESENTATION-SEGMENT Code

The code that represents the inherent state of the surface of a ROAD-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RIC1	Undamaged
RIC2	Rutted
RIC3	Cratered
RIC4	Eroded
RIC5	Grooved
RIC6	Mined
RIC7	Trenched
RIC8	Buckled
RIC9	Milled

ROAD-LANDING-STRIP-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION that is designed, maintained and used for the takeoff and landing of aircraft.

ROAD-LANE-QUANTITY-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of its lane quantity.

ROAD-LANE-QUANTITY-REPRESENTATION-SEGMENT Lane Quantity

The quantity of lanes in a ROAD-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 1 **Max Value:** 25 **Unit of Measure:** Lanes

ROAD-LANE-QUANTITY-REPRESENTATION-SEGMENT Transition Type Code

The code that represents the transition status for a ROAD-LANE-QUANTITY-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Is a lane quantity transition segment
2	Is not a lane quantity transition segment

ROAD-LEVEE

An association of a specific ROAD with a specific LEVEE.

ROAD-LOAD-CLASSIFICATION-REPRESENTATION-SEGMENT

A model of a portion of a ROAD that is delimited by variances in its load classification type and weight.

ROAD-LOAD-CLASSIFICATION-REPRESENTATION-SEGMENT Type Code

The type of weight bearing capacity measure for a ROAD.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
LC1	Load Class Type 1
LC2	Load Class Type 2
LC3	Load Class Type 3
LC4	Load Class Type 4

ROAD-LOAD-CLASSIFICATION-REPRESENTATION-SEGMENT Weight Bearing Capacity Rate **New**

The weight bearing capacity for a particular type of load classification for a ROAD.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999 **Unit of Measure:** Load Class

ROAD-MANAGEMENT-REPRESENTATION-SEGMENT **New**

A section of ROAD marked by the continuous value of administrative management.

ROAD-MANAGEMENT-REPRESENTATION-SEGMENT Usage Code **New**

A code indicating the the primary user of the ROAD-MANAGEMENT-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE113	Regional
USE23	International
USE33	Provincial
USE4	National
USE5	State
USE6	Private
USE999	Other

ROAD-MEDIAN-REPRESENTATION-SEGMENT **New**

A section of a ROAD-REPRESENTATION delimited by the presence of a divider between between multiple lanes.

ROAD-MEDIAN-REPRESENTATION-SEGMENT Category Code **New**

The code indicating the presence of a divider between multiple lanes in the ROAD-MEDIAN-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
MED0	Unknown
MED1	With Median
MED2	Without Median

ROAD-MEDIAN-WIDTH-REPRESENTATION-SEGMENT **New**

A section of ROAD marked by a continuous value of median width.

ROAD-MEDIAN-WIDTH-REPRESENTATION-SEGMENT Median Width Dimension **New**

The measured distance at map scale between connecting, adjacent and two-way road centerlines having divided roadbeds, with greater that 1 meter resolution.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 1
Min Value: 0 **Max Value:** 9999999999 **Unit of Measure:** Meters

ROAD-MOUNTAIN-PASS

The association between a ROAD and a particular MOUNTAIN-PASS.

ROAD-NAME-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by its name.

ROAD-OPERATIONAL-STATUS-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of its capability to accommodate traffic.

ROAD-OPERATIONAL-STATUS-REPRESENTATION-SEGMENT Code

The code that represents the capability to accommodate traffic on a ROAD-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
OPS1	Operational
OPS2	Non-Operational
OPS3	Partially Operational

ROAD-OVERHEAD-OBSTRUCTION

New

The association of a ROAD with an OVERHEAD-OBSTRUCTION.

ROAD-PHYSICAL-STATUS-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of its physical state.

ROAD-PHYSICAL-STATUS-REPRESENTATION-SEGMENT Code

The code that represents the physical state of a ROAD-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS10	Proposed
EXS27	Closed/Locked
EXS28	Operational
EXS5	Under Construction
EXS53	Incomplete
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS71	Repairs Needed
EXS8	Dismantled
EXS999	Other

ROAD-PREPARED-WIDTH-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of the minimum width of the traveled way.

ROAD-PREPARED-WIDTH-REPRESENTATION-SEGMENT Minimum Width Dimension

The minimum width of the traveled way on a ROAD-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1

Min Value: 0 **Max Value:** 1000 **Unit of Measure:** Meters

ROAD-PREPARED-WIDTH-TRANSITION-REPRESENTATION-SEGMENT

A type of a section of a road model that represents the zone in which the pavement width changes to match the widths of the adjoining segments.

ROAD-PREPARED-WIDTH-TRANSITION-REPRESENTATION-SEGMENT Maximum Width Dimension

The largest dimension at either end of the ROAD-PREPARED-WIDTH-TRANSITION-REPRESENTATION-SEGMENT.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	2
Min Value:	0	**Max Value:**	999.99	**Unit of Measure:**	Meters

ROAD-REPRESENTATION

A model of a ROAD.

ROAD-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of a specific characteristic.

ROAD-REPRESENTATION-SEGMENT Characteristic Type Code

The code that represents the specific characteristic that delimits a ROAD-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
CUR	Curvature
FRD	Ford
OHC	Vertical Clearance
OPS	Operational Status
RIC	Intrinsic Surface Condition
RLQ	Lane Quantity
RPS	Physical Status
RSR	Surface Reference
RST	Surface Composition
RWY	Airfraft Landing Strip
SGC	Segment Slope
WBC	Bearing Capacity
WD1	Prepared Width
WD2	Horizontal Clearance
WTC	Weather Usability

ROAD-REPRESENTATION-SEGMENT Length Dimension

The length of a ROAD-REPRESENTATION-SEGMENT.

Data Type:	Fixed-Point	**Length:**	15	**Decimal Count:**	1
Min Value:	0	**Max Value:**	1e+013	**Unit of Measure:**	Meters

ROAD-REST-AREA

A designated roadside area accommodating short term use by travelers.

ROAD-REST-AREA Identifier

The identifier that represents a specific ROAD-REST-AREA.

Data Type: Character-String **Length:** 35

ROAD-REST-AREA Remarks Text

The text describing miscellaneous information for a ROAD-REST-AREA.

Data Type: Character-String **Length:** 250

ROAD-REST-AREA Usage Code

The code that represents the primary user of a ROAD-REST-AREA.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
USE22	Military/Civilian
USE49	Civilian
USE8	Military

ROAD-REST-AREA-REPRESENTATION

A model of a ROAD-REST-AREA.

ROAD-REST-AREA-REPRESENTATION Area **New**

The area of a ROAD-REST-AREA.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999999 **Unit of Measure:** .01 Square Meters

ROAD-REST-AREA-REPRESENTATION Azimuth Angle

The angle of orientation of a REST-AREA measured clockwise from true north to the long axis of the REST-AREA.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Degrees

ROAD-REST-AREA-REPRESENTATION Length Dimension

The length of the longest linear axis of a REST-AREA.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Meters

ROAD-REST-AREA-REPRESENTATION Maximum Entry Width Dimension

The maximum available width of the entrance to a REST-AREA.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters

ROAD-REST-AREA-REPRESENTATION Minimum Width Dimension

The minimum width within a REST-AREA.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0 **Max Value:** 9999.9 **Unit of Measure:** Meters

ROAD-REST-AREA-REPRESENTATION Surface Material Composition Code

The code that represents the primary surface composition of a REST-AREA.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC108	Stone
SMC116	Water
SMC117	Wood
SMC200	Packed Dirt
SMC201	Steel Mesh
SMC21	Concrete
SMC24	Coral
SMC30	Earthen
SMC45	Grass
SMC46	Gravel
SMC5	Asphalt
SMC62	Masonry
SMC88	Sand
SMC96	Shells

ROAD-SLOPE-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the value of its slope.

ROAD-SLOPE-REPRESENTATION-SEGMENT Rate

The rate of the slope of a ROAD-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

ROAD-SPEED-LIMIT-REPRESENTATION-SEGMENT **New**

A section of ROAD delimited by a constant value of speed limit.

ROAD-SPEED-LIMIT-REPRESENTATION-SEGMENT Rate **New**

The maximum speed, in miles per hour (MPH), legally permitted over the road segment.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Miles per Hour

ROAD-STREAM

The association between a particular ROAD and a particular STREAM.

ROAD-SURFACE-COMPOSITION-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of the type of material used to construct the surface.

ROAD-SURFACE-COMPOSITION-REPRESENTATION-SEGMENT Code

A code that represents the surface composition of a ROAD-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RST0	Unknown
RST1	Hard/Paved
RST2	Loose/Unpaved
SMC0	Unknown
SMC103	Snow/Ice
SMC115	Volcanic Ash
SMC116	Water
SMC117	Wood
SMC14	Cinders
SMC16	Clay
SMC17	Coal
SMC18	Cobble
SMC203	Laterite
SMC204	Cement Chipped Seal
SMC205	Fog Seal
SMC206	Low Bituminous
SMC207	Asphaltic Concrete
SMC208	Double Surface Treatment
SMC209	Graded and Drained
SMC21	Concrete
SMC210	Medium Bituminous
SMC211	Oil and Clay
SMC212	Plant Mix Bit
SMC213	Portland Cement
SMC214	Recycled Bituminous
SMC215	Sand and Asphalt
SMC216	Sand and Oil
SMC217	Slurry Seal
SMC218	Sod
SMC219	Stone Mastic
SMC220	Tundra
SMC221	Wire Combined
SMC222	Plant Mixed Seal Coat
SMC223	Pierced Steel Planking
SMC224	Sand and Clay
SMC225	Single Surface Treatment
SMC226	Crushed Stone
SMC227	Geofabric
SMC228	Bitumen Bond Macadam
SMC229	Limestone

SMC230	Pierced Aluminum Plank
SMC231	Asphalt Over Concrete Overlay
SMC24	Coral
SMC30	Earthen
SMC45	Grass
SMC46	Gravel
SMC5	Asphalt
SMC64	Metal Portable Runway
SMC7	Bedrock
SMC83	Reinforced Concrete
SMC84	Rock/Rocky
SMC87	Salt-Flat
SMC88	Sand
SMC9	Brick
SMC99	Silt
SMC999	Other

ROAD-SURFACE-REFERENCE-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of the relationship of the ROAD to the earth's surface.

ROAD-SURFACE-REFERENCE-REPRESENTATION-SEGMENT Code

The code which represents the relation of the ROAD-REPRESENTATION-SEGMENT to the Earth's surface.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
RSR1	Above Ground
RSR2	On Ground
RSR3	Below Ground

ROAD-SURFACE-TYPE-REPRESENTATION-SEGMENT **New**

A section of a ROAD-REPRESENTATION delimited by the constant value of the ROAD-SURFACE-TYPE-CODE.

ROAD-SURFACE-TYPE-REPRESENTATION-SEGMENT Road Surface Type Code **New**

The physical surface composition of a road or runway.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RST0	Unknown
RST1	Hard/Paved
RST2	Loose/Unpaved

ROAD-TOTAL-USABLE-WIDTH-REPRESENTATION-SEGMENT **New**

A section of a ROAD-REPRESENTATION-SEGMENT delimited by the constant value of the total usable width.

ROAD-TOTAL-USABLE-WIDTH-REPRESENTATION-SEGMENT Dimension **New**

Minimum width of the traveled way, excluding hard pavements and shoulders, measured in decimeters over the entire length of the ROAD..

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Decimeter

ROAD-TRAFFIC-FLOW-REPRESENTATION-SEGMENT New

A section of ROAD delimited by a constant value of traffic flow direction.

ROAD-TRAFFIC-FLOW-REPRESENTATION-SEGMENT Traffic Flow Code **New**

Encodes the general destination of traffic as one way or two way, or as undefined.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TRF0	Undefined
TRF3	One-way
TRF4	Two-way

ROAD-VERTICAL-CLEARANCE-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of its vertical clearance.

ROAD-VERTICAL-CLEARANCE-REPRESENTATION-SEGMENT Clearance Dimension

The unobstructed vertical extent along a ROAD-REPRESENTATION-SEGMENT.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0 **Max Value:** 1000 **Unit of Measure:** Meters

ROAD-WEATHER-USABILITY-REPRESENTATION-SEGMENT

A section of a ROAD-REPRESENTATION delimited by the constant value of its weather usability.

ROAD-WEATHER-USABILITY-REPRESENTATION-SEGMENT Code

The code that indicates the weather usability of a segment of a road.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
WTC0	Unknown
WTC1	All Weather
WTC2	Fair/Dry Weather
WTC3	Winter Only
WTC4	All Weather (Limited Traffic due to Weather)
WTC998	Not Applicable
WTC999	Other

ROADBED

The prepared foundation for a ROAD.

ROADBED Identifier

The identifier that represents a ROADBED.

Data Type: Character-String **Length:** 35

ROCK-FORMATION

A natural topographic outcrop of rock which stands above and distinct from the surrounding terrain.

ROCK-FORMATION Identifier

The identifier that represents a ROCK-FORMATION.

Data Type: Character-String **Length:** 35

ROCK-FORMATION Structure Type Code

A code indicating the shape of a ROCK-FORMATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
BD119	Ledge
RKF0	Unknown
RKF1	Columnar
RKF3	Pinnacle

ROCK-FORMATION-REPRESENTATION

A model of a ROCK-FORMATION.

ROCK-FORMATION-REPRESENTATION Area **New**

The absolute area within the delineation of the ROCK-FORMATION.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

ROCK-FORMATION-REPRESENTATION Drying Height Dimension

The height of the ROCK-FORMATION which tidal waters cover and uncover, referenced to a specified vertical datum.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ROCK-FORMATION-REPRESENTATION Height Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the top of the ROCK-FORMATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

ROCK-FORMATION-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the ROCK-FORMATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

ROCK-FORMATION-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes of the ROCK-FORMATION. For a round ROCK-FORMATION, the diameter is measured.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

ROCK-FORMATION-REPRESENTATION Material Composition Code

Characteristics of primary material composition of the ROCK-FORMATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC24	Coral
MCC84	Rock/Rocky

ROCK-FORMATION-REPRESENTATION Maximum Height Dimension

The vertical distance measured from the lowest point of the base at ground or water level to the tallest point of the ROCK-FORMATION-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

ROCK-FORMATION-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the ROCK-FORMATION.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degree

ROCK-FORMATION-REPRESENTATION Surface Material Category Code **New**

The material of a surface in which the ROCK-FORMATION exists.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC84	Rocky/Rocky

ROCK-FORMATION-REPRESENTATION Vertical Reference Category Code **New**

The code indicating the relative location of the ROCK-FORMATION-REPRESENTATION referenced to the sounding datum.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR2	Awash at Sounding Datum
VRR4	Below Surface/Submerged
VRR8	Convers and Uncovers

ROCK-FORMATION-REPRESENTATION Width Dimension

The measurement of the shorter of the two axes of the ROCK-FORMATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

ROUND-COOLING-TOWER New

A COOLING-TOWER that is circular in shape at its base.

ROUND-COOLING-TOWER-REPRESENTATION New

A model of a ROUND-COOLING-TOWER.

ROUND-COOLING-TOWER-REPRESENTATION Diameter Dimension **New**

The measured horizontal distance across the center point of the base of a ROUND-POWER-PLANT-COOLING-TOWER.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	999.9	**Unit of Measure:**	Meters

ROUND-SMOKESTACK

A SMOKESTACK that is circular in shape at its base.

ROUND-SMOKESTACK-REPRESENTATION

A model of a ROUND-SMOKESTACK.

ROUND-SMOKESTACK-REPRESENTATION Base Diameter Dimension

The measured horizontal distance across the center point of the base of a ROUND-SMOKESTACK.

Data Type:	Fixed-Point	**Length:**	4	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	99.9	**Unit of Measure:**	Meters

ROUTE-MARKER-REPRESENTATION New

A model of a marker that names a road or route.

ROUTE-MARKER-REPRESENTATION Usage Code **New**

The primary user, function,or controlling authority.

Data Type:	Character-String	**Length:**	6

Domain Valid Value	**Domain Value Definition**
USE23	International
USE4	National
USE5	State

RUNWAY

A surface where aircraft take-off and land.

RUNWAY Surface Charting Code

A code indicating whether the runway surface is temporary, permanent, natural, or unknown.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
N	Natural
P	Permanent
T	Temporary
U	Unknown

RUNWAY Sustained Use Sequence Identifier

A sequence number assigned to each runway in ascending, consecutive order number beginning with 001 indicating the runway's capability to support sustained operations.

Data Type: Character-String **Length:** 3

RUNWAY-ARRESTING-SYSTEM

A RUNWAY device accommodating the stopping of aircraft.

RUNWAY-ARRESTING-SYSTEM Direction Code

A code indicating the direction of a RUNWAY-ARRESTING-SYSTEM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	High End to Low End
2	Low End to High End
3	Bi-Directional

RUNWAY-ARRESTING-SYSTEM Energy Absorbing System Code

The code that represents the type of energy absorbing system for a RUNWAY-ARRESTING-SYSTEM.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
see AAFIF, PS /1GE /005, Amdt. 2, CODE TABLES, Oct 98	p.6, Arresting Gear Absorbing Systems

RUNWAY-ARRESTING-SYSTEM Gear Engaging Device Code

The code that represents the type of engaging gear for a RUNWAY-ARRESTING-SYSTEM.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
see AAFIF, PS /1GE /005, Amdt.2, CODE TABLES, Oct 98	p.5, Arresting Gear Engaging Devices

RUNWAY-ARRESTING-SYSTEM Identifier

The identifier that represents a particular RUNWAY-ARRESTING-SYSTEM.

Data Type: Character-String **Length:** 35

RUNWAY-ARRESTING-SYSTEM Position Code

A code that indicates the location of the RUNWAY-ARRESTING-SYSTEM relative to the RUNWAY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Prior to (Threshold) Approach end (Near End)
2	At Threshold
3	On the Runway
4	On the Overrun (Far-end) (Value from far end of Runway)

RUNWAY-ARRESTING-SYSTEM Remarks Text

The text describing any additional information for a RUNWAY-ARRESTING-SYSTEM.

Data Type: Character-String **Length:** 250

RUNWAY-ARRESTING-SYSTEM Status Code

The code that represents the operational status of a RUNWAY-ARRESTING-SYSTEM.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
OPS1	Operational
OPS2	Non-Operational

RUNWAY-ARRESTING-SYSTEM-REPRESENTATION

A model of a RUNWAY-ARRESTING-SYSTEM.

RUNWAY-ARRESTING-SYSTEM-REPRESENTATION Arresting Gear Category Code **New**

Code that indicates the type of device used to stop an uncontrolled aircraft at the end of a runway.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AGC0	Unknown
AGC1	Net
AGC2	Cable
AGC6	Jet Barrier
AGC999	Other

RUNWAY-ARRESTING-SYSTEM-REPRESENTATION Distance Dimension

The distance from the RUNWAY-END to the RUNWAY-ARRESTING-SYSTEM measuring from the low end of the runway.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 40000 **Unit of Measure:** Feet

RUNWAY-END

A directionally oriented surface where aircraft take-off and land.

RUNWAY-END Identifier

The identifier which represents a RUNWAY-END.

Data Type: Character-String **Length:** 35

RUNWAY-END-LIGHTING

The association of a specific AIRPORT-LIGHTING-SYSTEM with a specific RUNWAY-END.

RUNWAY-END-REFERENCE-OBJECT

A type of REFERENCE-OBJECT.

RUNWAY-END-REPRESENTATION

A model of a RUNWAY-END.

RUNWAY-END-REPRESENTATION Day Allowable Landing Length Dimension

The maximum usable RUNWAY for landing during daylight hours.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	1
Min Value:	1	**Max Value:**	10500	**Unit of Measure:**	Meters

RUNWAY-END-REPRESENTATION Day Allowable Take-Off Length Dimension

The maximum usable RUNWAY for take-off during daylight hours.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	1
Min Value:	1	**Max Value:**	10500	**Unit of Measure:**	Meters

RUNWAY-END-REPRESENTATION Displaced Threshold Distance Dimension

The distance from the end of the RUNWAY to that portion usable for landing.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	1
Min Value:	1	**Max Value:**	7000	**Unit of Measure:**	Meters

RUNWAY-END-REPRESENTATION Displaced Threshold Elevation Dimension

The elevation of the point of the displaced threshold.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-200	**Max Value:**	10000	**Unit of Measure:**	Meters

RUNWAY-END-REPRESENTATION Elevation Dimension

The elevation of the point where runway centerline intersects with the beginning of the surface of the end of the runway measured in feet and tenths of feet from mean sea level.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	999999	**Unit of Measure:**	Feet

RUNWAY-END-REPRESENTATION Night Allowable Landing Length Dimension

The maximum usable RUNWAY landing length during darkness (or hours of darkness).

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	1
Min Value:	1	**Max Value:**	10500	**Unit of Measure:**	Meters

RUNWAY-END-REPRESENTATION Night Allowable Take-Off Length Dimension

The maximum usable RUNWAY take-off length during darkness (or hours of darkness).

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	1
Min Value:	1	**Max Value:**	10500	**Unit of Measure:**	Meters

RUNWAY-END-REPRESENTATION Touchdown Zone Elevation Dimension

The highest elevation in the first 3,000 feet of the landing RUNWAY.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-200	**Max Value:**	10000	**Unit of Measure:**	Meters

RUNWAY-END-REPRESENTATION True Azimuth Angle

The angle of the alignment of the RUNWAY centerline measured from true north.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	2
Min Value:	0	**Max Value:**	359.99	**Unit of Measure:**	Degrees

RUNWAY-RADAR-REFLECTOR-REPRESENTATION

A model of a RUNWAY-RADAR-REFLECTOR.

RUNWAY-RADAR-REFLECTOR-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

RUNWAY-RADAR-REFLECTOR-REPRESENTATION Length Dimension

A measurement of the longer of two linear axes.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

RUNWAY-RADAR-REFLECTOR-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

RUNWAY-RADAR-REFLECTOR-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC64	Metal

RUNWAY-RADAR-REFLECTOR-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

RUNWAY-REPRESENTATION

A model of a RUNWAY.

RUNWAY-REPRESENTATION Area **New**

The absolute area within the delineation of the RUNWAY-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

RUNWAY-REPRESENTATION Delineation Certainty Code **New**

Code that indicates knowledge of the feature's limits or information.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

RUNWAY-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the RUNWAY-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

RUNWAY-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the RUNWAY-REPRESENTATION. For a round RUNWAY-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

RUNWAY-REPRESENTATION Mid-Point Elevation Dimension

The elevation of the RUNWAY-REPRESENTATION recorded at the midway point on the runway relative to mean sea level.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -100 **Max Value:** 10000 **Unit of Measure:** Meters

RUNWAY-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

RUNWAY-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the RUNWAY-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

RUNWAY-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the RUNWAY-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SAFETY-FAIRWAY-REPRESENTATION

A model of a route established for the safe passage of vessels through oil and gas fields, and mine fields.

SAFETY-FAIRWAY-REPRESENTATION Certainty of Delineation Code **New**

Indicates knowledge of the feature's limits or information.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

SAFETY-FAIRWAY-REPRESENTATION Mandatory Status Code

Required conformance to the use of a SAFETY-FAIRWAY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Mandatory
2	Recommended

SAFETY-FAIRWAY-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the SAFETY-FAIRWAY-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SALT-EVAPORATOR

A shallow pool, normally man-made, used for the natural evaporation of water for the collection of salt.

SALT-EVAPORATOR Text

A narrative or other description of a SALT-EVAPORATOR.

Data Type: Character-String **Length:** 255

SALT-EVAPORATOR-REPRESENTATION

A model of a shallow pool, normally man-made, used for the natural evaporation of water for the collection of salt.

SALT-EVAPORATOR-REPRESENTATION Existence Category Code **New**

A code indicating the state or condition of the SALT-EVAPORATOR.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS45	Natural
EXS46	Man-Made

SALT-EVAPORATOR-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC116	Water

SALT-FLATS

A sterile plain containing an excess of surface salt deposits usually occurring in the bottom of an under drained basin in an arid or semi-arid region.

SAND-DUNE

Ridges or hills of sand formed by wind or wave action.

SAND-DUNE Identifier

The identifier that represents a SAND-DUNE.

Data Type: Character-String **Length:** 35

SAND-DUNE Shape Type Code

A code indicating the characteristic shape of a SAND-DUNE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC00	Unknown
SSC22	Crescent
SSC26	Lateral
SSC27	Mounds
SSC28	Ripple
SSC29	Star
SSC30	Transverse

SAND-DUNE-REPRESENTATION

A model of a SAND-DUNE.

SAND-DUNE-REPRESENTATION Area **New**

The absolute area within the delineation of the feature measured with greater precision and range.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0

Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square meter

SAND-DUNE-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the SAND-DUNE-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	-400	**Max Value:**	30000	**Unit of Measure:**	Meter

SAND-DUNE-REPRESENTATION Predominant Height Dimension

The average vertical height of the SAND-DUNE-REPRESENTATION.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99999	**Unit of Measure:**	Meters

SAND-DUNE-REPRESENTATION Prevailing Wind Orientation Angle

The characteristic alignment of the SAND-DUNE-REPRESENTATION created by the prevailing winds.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	359	**Unit of Measure:**	Degrees

SAND-DUNE-REPRESENTATION Surface Material Category Code **New**

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC88	Sand

SATELLITE-TRACK

Identifies the location of an IMAGE acquired by LANDSAT or SPOT (only) along the satellite path.

SATELLITE-TRACK Path Quantity

The numeric value that represents the path of a satellite.

Data Type:	Integer	**Length:**	4	**Decimal Count:**	0
Min Value:	1	**Max Value:**	9999	**Unit of Measure:**	Each

SATELLITE-TRACK Row Quantity

The numeric value that represents the row of a satellite.

Data Type:	Integer	**Length:**	4	**Decimal Count:**	0
Min Value:	1	**Max Value:**	9999	**Unit of Measure:**	Each

SEASONAL-ICE **New**

A type of ice that exists on a seasonal basis, during the coldest parts of the year.

SEASONAL-ICE-EXTENT-REPRESENTATION **New**

A model of seasonal ice.

SEASONAL-ICE-EXTENT-REPRESENTATION Average Area **New**

The normal area average within the delineation of an SEASONAL-ICE-EXTENT-REPRESENTATION.

Data Type:	Floating-Point	**Length:**	12	**Decimal Count:**	0
Min Value:	0.01	**Max Value:**	999999999.9	**Unit of Measure:**	Square Meters

SEASONAL-ICE-EXTENT-REPRESENTATION Length Dimension **New**

The linear distance of SEASONAL-ICE-EXTENT-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

SEASONAL-ICE-EXTENT-REPRESENTATION Periodic Restriction Code **New**

A code indicating the seasonal limit month of the SEASONAL-ICE-EXTENT-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRC0	Unknown
PRC10	Seasonal limit - Jul.
PRC11	Seasonal limit - Aug.
PRC12	Seasonal limit - Sep.
PRC13	Seasonal limit - Oct.
PRC14	Seasonal limit - Nov.
PRC15	Seasonal limit - Dec.
PRC3	Permanent Ice
PRC4	Seasonal limit - Jan.
PRC5	Seasonal limit - Feb.
PRC6	Seasonal limit - Mar.
PRC7	Seasonal limit - Apr.
PRC8	Seasonal limit - May
PRC9	Seasonal limit - Jun.

SEASONAL-ICE-EXTENT-REPRESENTATION Predominant Height Dimension **New**

The average vertical height of the SEASONAL-ICE-EXTENT-REPRESENTATION.

Data Type:	Integer	**Length:**	7	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999999	**Unit of Measure:**	Meters

SEASONAL-ICE-EXTENT-REPRESENTATION Type Code **New**

A code indicating the extent of the SEASONAL-ICE-EXTENT-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Maximum extent
2	Minimum extent

SEASONAL-ICE-MAXIMUM-EXTENT-REPRESENTATION **New**

A model of seasonal ice maximum extent.

SEASONAL-ICE-MINIMUM-EXTENT-REPRESENTATION **New**

A model of seasonal ice minimal extent.

SEAWALL-REPRESENTATION **New**

A model of a structure built to protect the shore from erosion.

SEAWALL-REPRESENTATION Description Text **New**

A narrative description associated with the SEAWALL-REPRESENTATION.

Data Type: Character-String **Length:** 256

SEAWALL-REPRESENTATION Predominant Feature Height Dimension **New**

The predominant height within delineation of the SEAWALL-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

SEBKHA

A flat, salt encrusted, sand or clay filled, depression in arid/semi-arid areas with a high water table.

SECURITY-CLASSIFICATION

The level assigned to national security information and material that denoted the degree of damage that its unauthorized disclosure would cause to national defense of foreign relations or the United States and the degree of protection required.

SECURITY-CLASSIFICATION Code

The code that represents a SECURITY-CLASSIFICATION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
C	Confidential
S	Secret
TS	Top Secret
U	Unclassified
UK	Unknown

SECURITY-CLASSIFICATION Description Text

The text that describes a SECURITY-CLASSIFICATION.

Data Type: Character-String **Length:** 250

SECURITY-CLASSIFICATION-SYSTEM

Indicates the national classification system used in classifying a product.

SECURITY-CLASSIFICATION-SYSTEM Identifier

The identifier that represents a particular SECURITY- CLASSIFICATION-SYSTEM.

Data Type: Character-String **Length:** 2

SECURITY-CLASSIFICATION-SYSTEM Management Code

The code that indicates the manager of a SECURITY-CLASSIFICATION-SYSTEM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Country
2	Multi-National

SECURITY-CLASSIFICATION-SYSTEM Name

Indicates the name of the national classification system.

Data Type: Character-String **Length:** 100

SECURITY-CODEWORD

Information about codes relating to security.

SECURITY-CODEWORD Code

The code that identifies a security compartment.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
Refer to the USIS Directive 21.1 Classified Addendum	

SENSOR-ASSOCIATION

The association of one SENSOR to another SENSOR.

SENSOR-BAND

A set of adjacent wavelengths in the electro-magnetic spectrum with a common characteristic, such as the visible band.

SENSOR-BAND Maximum Wavelength Dimension

The maximum wavelength that the sensor is capable of collecting within a designated band.

Data Type: Fixed-Point **Length:** 9 **Decimal Count:** 6
Min Value: 1e-006 **Max Value:** 99.999999 **Unit of Measure:** Microns

SENSOR-BAND Minimum Wavelength Dimension

The minimum wavelength that the sensor is capable of collecting within a designated band.

Data Type: Fixed-Point **Length:** 9 **Decimal Count:** 6
Min Value: 1e-006 **Max Value:** 99.999999 **Unit of Measure:** Microns

SENSOR-BAND Name

The name of a defined range of wavelengths.

Data Type: Character-String **Length:** 50

SENSOR-BAND-SENSOR

The association of a SENSOR and a defined SENSOR-BAND.

SENSOR-MODE

An available mode of operation for a sensor.

SENSOR-MODE Type Code

The code that indicates the mode of operation that a sensor may utilize.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
FR	Framing
PB	Pushbroom
SP	Spot
SW	Swath
WB	Whiskbroom

SENSOR-OBSERVATION-PLATFORM

The association between a SENSOR and an OBSERVATION-PLATFORM.

SENSOR-OBSERVATION-PLATFORM Sequence Identifier

The identifier that represents the sequence of SENSORs installed on an OBSERVATION-PLATFORM.

Data Type: Character-String **Length:** 10

SENSOR-TYPE

A classification of equipment which detects objects and activities.

SENSOR-TYPE Accuracy Dimension

The dimension of the error of distance of the position of an object detected by a SENSOR-TYPE.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999.999 **Unit of Measure:** Meters

SENSOR-TYPE Brand Name

The manufacturer defined name for a SENSOR-TYPE product.

Data Type: Character-String **Length:** 32

SENSOR-TYPE Elevation Maximum Angle

The angle from the horizontal centerline of a vertically steerable SENSOR-TYPE to the most extreme upward position it can be physically rotated without moving its base of support.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	3
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

SENSOR-TYPE Elevation Minimum Angle

The angle from the horizontal centerline of a vertically steerable SENSOR-TYPE to the most extreme downward position it can be physically rotated without moving its base of support.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	3
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

SENSOR-TYPE Frequency Lower Limit Rate

The rate of the smallest number of complete oscillations of an electromagnetic wave per unit time that a SENSOR-TYPE can receive for processing.

Data Type:	Floating-Point	**Length:**	15	**Decimal Count:**	0
Min Value:	0	**Max Value:**	1e+015	**Unit of Measure:**	Hertz

SENSOR-TYPE Frequency Upper Limit Rate

The rate of the largest number of complete oscillations of an electromagnetic wave per unit time that a SENSOR-TYPE can receive for processing.

Data Type:	Floating-Point	**Length:**	15	**Decimal Count:**	0
Min Value:	0	**Max Value:**	1e+015	**Unit of Measure:**	Hertz

SENSOR-TYPE Identifier

The identifier that represents a SENSOR-TYPE.

Data Type:	Character-String	**Length:**	50

SENSOR-TYPE Limit Left Angle

The angle from the centerline of a rotationally steerable item of SENSOR-TYPE to the most extreme position counterclockwise that the item can be physically rotated without moving its base of support.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	3
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

SENSOR-TYPE Limit Right Angle

The angle from the centerline of a rotationally steerable SENSOR-TYPE to the most extreme position clockwise that the item can be physically rotated without moving its base of support.

Data Type:	Fixed-Point	**Length:**	7	**Decimal Count:**	3
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

SENSOR-TYPE Name

The name of a SENSOR-TYPE.

Data Type:	Character-String	**Length:**	18

SENSOR-TYPE Range Maximum Dimension

The dimension of the largest distance at which a SENSOR-TYPE can perform its function.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999.99 **Unit of Measure:** Meters

SENSOR-TYPE Range Minimum Dimension

The dimension of the smallest distance at which a SENSOR-TYPE can perform its function.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999.99 **Unit of Measure:** Meters

SENSOR-TYPE Reliability Rate

The estimated percentage rate indicating the extent to which a specific SENSOR-TYPE yields the same result on repeated trials as a fraction of a large number of trials.

Data Type: Floating-Point **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

SENSOR-TYPE Type Code

The code that represents the specific kinds of SENSOR-TYPEs.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
AL141	Telescope
TBD	

SERIES-BASED-DATASET

Information about a type of dataset that is part of a dataset series.

SERIES-BASED-DATASET Issue Identifier

Information identifying the issue of the series publication of which the DATASET is a part.

Data Type: Character-String **Length:** 20

SETTLING-BASIN **New**

A RESERVOIR where solid matter is allowed to precipitate out of water.

SETTLING-BASIN-REPRESENTATION **New**

A model of a SETTLING-BASIN.

SETTLING-BASIN-REPRESENTATION Area **New**

The absolute area within the delineation of the SETTLING-BASIN-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

SETTLING-BASIN-REPRESENTATION Conspicuous Category Code **New**

A code indicating whether the SETTLING-BASIN-REPRESENTATION is easily identifiable and plainly visible under varying conditions of light from harbors, approach channels, or offshore because of its size, shape or height.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

SETTLING-BASIN-REPRESENTATION Existence Category Code **New**

A code indicating the state or condition of the SETTLING-BASIN-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

SETTLING-BASIN-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the SETTLING-BASIN-REPRESENTATION. For a round SETTLING-BASIN-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SETTLING-BASIN-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the SETTLING-BASIN-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SHIP

A moveable craft designed for navigation in or on the water.

SHIP Beam Dimension

The dimension of the breadth of the SHIP at its widest point.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Feet

SHIP Builder Hull Identifier

The identifier which represents the assigned hull number of a SHIP.

Data Type: Character-String **Length:** 30

SHIP Fleet Text

The text of the description of the fleet to which a SHIP belongs.

Data Type: Character-String **Length:** 30

SHIP Fuel Capacity Volume

The volume of fuel a SHIP is capable of storing for its own propulsion.

Data Type: Integer **Length:** 9 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999999 **Unit of Measure:** Cubic-Feet

SHIP Fuel Capacity Weight

The weight of the fuel a SHIP can hold in its fuel tanks for its own propulsion.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Pounds

SHIP Identifier

The identifier which uniquely identifies a particular SHIP.

Data Type: Character-String **Length:** 6

SHIP International Maritime Organization Identifier

The identifier that represents the number assigned to a ship by or on behalf of the International Maritime Organization of the United Nations.

Data Type: Character-String **Length:** 10

SHIP IRCS Identifier

The identifier which represents the International Radio Call Signal (IRCS) for a specific SHIP.

Data Type: Character-String **Length:** 4

SHIP Length Dimension

The dimension of the length of a SHIP from bow to stern.

Data Type: Fixed-Point **Length:** 8 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999999.9 **Unit of Measure:** Feet

SHIP Lightship Aft Draft Dimension

The dimension of the depth of a SHIP, at lightship displacement, measured vertically at the aft perpendicular from the waterline to the lowest part of the hull.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Inches

SHIP Lightship Foreward Draft Dimension

The dimension of the depth of a SHIP, at lightship displacement, measured vertically at the foreward perpendicular from the waterline to the lowest part of the hull.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Inches

SHIP Lightship Midship Draft Dimension

The dimension of the depth of a SHIP, at lightship displacement, measured vertically at the vessel midship from the waterline to the lowest part of the hull.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Inches

SHIP Lightship Weight

The weight of a SHIP, excluding cargo, passengers, fuel, water, stores, dunnage, and other such items necessary for use on a voyage.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Pounds

SHIP Lloyds Identifier

The identifier that represents the number assigned to a SHIP by Lloyds Register of Shipping.

Data Type: Character-String **Length:** 7

SHIP Mast Height Dimension

The dimension of the height of the mast of a SHIP from the baseline to the highest point on the mast.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Inches

SHIP Maximum Cargo Deadweight Weight

The weight of the load carrying capacity of a SHIP.

Data Type: Integer **Length:** 9 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999999 **Unit of Measure:** Pounds

SHIP Maximum Safe Aft Draft Dimension

The dimension of the maximum depth to which a SHIP can be safely immersed measured vertically at the aft perpendicular from the waterline to lowest part of the hull.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Inches

SHIP Maximum Safe Foreward Draft Dimension

The dimension of the maximum depth to which a SHIP can be safely immersed measured vertically at the foreward perpendicular from the waterline to the lowest part of the hull.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Inches

SHIP National Registry Identifier

The identifier that represents a SHIP in the COUNTRY in which it is registered.

Data Type: Character-String **Length:** 10

SHIP Pendant Identifier

The identifier that represents the common operational reference to a SHIP.

Data Type: Character-String **Length:** 10

SHIP Primary Name

The name assigned to the ship by the authority with whom that SHIP is registered.

Data Type: Character-String **Length:** 50

SHIP Stowable Area

The total area of a SHIP available for stowing cargo.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999999 **Unit of Measure:** Square-Feet

SHORE-FEATURE-REPRESENTATION

A model of a shore feature.

SHORE-FEATURE-REPRESENTATION Type Code

A code that represents the type of shore feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BA011	COASTLINE-REPRESENTATION
BA030	ISLAND-REPRESENTATION
BA040	TIDAL-WATER-REPRESENTATION
BAO24	SHORELINE-REPRESENTATION
BB150	LANDING-PLACE-REPRESENTATION
BB220	MARITIME-RAMP-REPRESENTATION
BB240	SLIPWAY-REPRESENTATION
BH190	LAGOON-REPRESENTATION

SHORE-NAME-REPRESENTATION-SEGMENT

A section of a SHORE-REPRESENTATION delimited by the constant value of it's name.

SHORE-PROTECTION-STRUCTURE

A structure that directs and controls waves and currents.

SHORE-PROTECTION-STRUCTURE-REPRESENTATION

A model of a SHORE-PROTECTION-STRUCTURE.

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Channel Side Slope Angle

The degree of deviation from the horizontal of the channel side of a SHORE-PROTECTION-STRUCTURE.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0 **Max Value:** 90 **Unit of Measure:** Degrees

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Existence Category Code **New**

The state or condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS28	Operational
EXS5	Under Construction

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Height Above Still Water Dimension

The height of the SHORE-PROTECTION-STRUCTURE, measured from the still water level to the crest.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 50 **Unit of Measure:** Meters

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Height Below Still Water Dimension

The height of a SHORE-PROTECTION-STRUCTURE, measured from the still water level to the toe.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 150 **Unit of Measure:** Meters

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the SHORE-PROTECTION-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Highest Z-Value Dimension **New**

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the SHORE-PROTECTION-STRUCTURE-REPRESENTATION. For a round SHORE-PROTECTION-STRUCTURE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Seaward Side Slope Angle

The degree of deviation from the horizontal of the seaward side of a SHORE-PROTECTION-STRUCTURE.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0 **Max Value:** 90 **Unit of Measure:** Degrees

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Surface Material Code **New**

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC84	Rock/Rocky
SMC999	Other

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Toe Depth Dimension

The depth of water at the most seaward point of a SHORE-PROTECTION-STRUCTURE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 35 **Unit of Measure:** Meters

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Toe Width Dimension

The width of a SHORE-PROTECTION-STRUCTURE, measured across the toe of the structure.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 350 **Unit of Measure:** Meters

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Type Code

The code that indicates the type of SHORE-PROTECTION-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BB041	BREAKWATER-REPRESENTATION
BB042	GROIN-REPRESENTATION
BB043	Bulkhead
BB140	JETTY-REPRESENTATION
BB225	RIP-RAP-REPRESENTATION
BB230	SEAWALL-REPRESENTATION
BB231	SHORE-REVETMENT-REPRESENTATION

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Vertical Reference Category Code **New**

Relative location referenced to indicated datum.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR2	Awash at Sounding Datum
VRR4	Below Surface/Submerged
VRR8	Covers and Uncovers
VRR9	Not Applicable

SHORE-PROTECTION-STRUCTURE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the SHORE-PROTECTION-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meters

SHORE-REVETMENT-REPRESENTATION

A model of a SHORE-REVETMENT.

SHORE-ZONE-AREA-TYPE-REPRESENTATION-SEGMENT New

The code indicating the predominant terrain that distinguishes the shoreline area.

SHORE-ZONE-AREA-TYPE-REPRESENTATION-SEGMENT Area Type Code **New**

Code indicating the type of SHORE-ZONE-AREA-TYPE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
BA050	Beach

SHORE-ZONE-COLOR-REPRESENTATION-SEGMENT

A segment of a shore line whose attribute of segmentation is COLOR.

SHORE-ZONE-COLOR-REPRESENTATION-SEGMENT Color Code

Color of the sea floor, light, buoy, structure, or other feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
CCC0	Unknown
CCC1	Black
CCC12	Red
CCC14	Violet
CCC15	White
CCC19	Yellow
CCC2	Blue
CCC3	Brown
CCC4	Gray
CCC5	Green
CCC7	Chocolate
CCC999	Other

SHORE-ZONE-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT

A segment of a shore line whose attribute of segmentation is MATERIAL-COMPOSITION.

SHORE-ZONE-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT Primary Material Composition Code **New**

Code that indicates the characteristics of primary material composition of the SHORE-ZONE-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC104	Soil
MCC108	Stone
MCC16	Clay
MCC46	Gravel
MCC52	Lava
MCC55	Loess
MCC65	Mud
MCC8	Boulders
MCC84	Rock/Rocky
MCC88	Sand
MCC98	Shingle

SHORE-ZONE-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT Secondary Material Composition Code **New**

Code that indicates the characteristics of secondary material composition of the SHORE-ZONE-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCS0	Unknown
MCS104	Soil
MCS108	Stone
MCS16	Clay
MCS24	Coral
MCS46	Gravel
MCS52	Lava
MCS55	Loess
MCS65	Mud
MCS8	Boulders
MCS84	Rock/Rocky
MCS88	Sand
MCS98	Shingle
MCS999	Other

SHORE-ZONE-REPRESENTATION-SEGMENT

A model of a SHORE-ZONE.

SHORE-ZONE-REPRESENTATION-SEGMENT Area **New**

The absolute area within the delineation of the SHORE-ZONE.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

SHORE-ZONE-REPRESENTATION-SEGMENT Characteristic Type Code

The code that indicates the type of characteristic being identified by the subtype.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	SHORE-ZONE-SOIL-TRAFFICABILITY-REPRESENTATION-SEGMENT
2	SHORE-ZONE-SOIL-TYPE-REPRESENTATION-SEGMENT
3	SHORE-ZONE-AREA-TYPE-REPRESENTATION-SEGMENT
4	SHORE-ZONE-SECONDARY-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT
5	SHORE-ZONE-COLOR-REPRESENTATION-SEGMENT
6	SHORE-ZONE-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT
7	SHORE-ZONE-WIDTH-REPRESENTATION-SEGMENT

SHORE-ZONE-REPRESENTATION-SEGMENT Hydrographic Origin Category Code

The code that identifies the origin of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HOC0	Unknown
HOC1	Controlled
HOC4	Man-Made
HOC5	Natural
HOC999	Other

SHORE-ZONE-REPRESENTATION-SEGMENT Zone Type Code

The code that identifies the category entities as FORESHORE, BACKSHORE, or NEARSHORE.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
BS	Backshore
FS	Foreshore
NS	Nearshore

SHORE-ZONE-SECONDARY-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT **New**

A section of a shore zone marked by the continuous value of material composition.

SHORE-ZONE-SECONDARY-MATERIAL-COMPOSITION-REPRESENTATION-SEGMENT Material Composition Code **New**

The code indicating the secondary material composition of the SHORE-ZONE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC104	Soil
MCC108	Stone
MCC16	Clay
MCC24	Coral
MCC46	Gravel
MCC52	Lava
MCC55	Loess
MCC65	Mud
MCC8	Boulders
MCC84	Rock/Rocky
MCC88	Sand
MCC98	Shingle
MCC999	Other

SHORE-ZONE-SOIL-TRAFFICABILITY-REPRESENTATION-SEGMENT

A segment of a shore line whose attribute of segmentation is SOIL-TRAFFICABILITY.

SHORE-ZONE-SOIL-TRAFFICABILITY-REPRESENTATION-SEGMENT Soil Trafficability Group Code

Soils described by the Unified Soil Classification System categorized by their wet weather trafficability characteristics.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
STG0	Unknown
STG1	A [GW,GP,SW,SP]
STG2	B [CH]
STG3	C [GC,SC,CL]
STG4	D [GM,SM,ML,ML-CL,MH,OL,OH]
STG5	E [PT]
STG6	X [Not Evaluated]

SHORE-ZONE-SOIL-TYPE-REPRESENTATION-SEGMENT

A segment of a shore line whose attribute of segmentation is SOIL-TYPE.

SHORE-ZONE-SOIL-TYPE-REPRESENTATION-SEGMENT Soil Type Code

Soils described by the Unified Soil Classification System (USCS).

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
STP0	Unknown
STP1	GW Well graded gravels or gravel-sand mixtures, little or no fines
STP10	CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
STP11	OL Organic silts and organic silty clays
STP12	CH Inorganic clays of high plasticity, fat clays
STP13	MH Inorganic silts, micaceous or diatomaceous
STP14	OH Organic clays of medium to high plasticity, organic silts
STP15	PT Peat and other highly organic soils
STP17	ML-CL Soil type having both ML and CL characteristics
STP18	Evaporites
STP2	GP Poorly graded gravels or gravel-sand mixtures, little or no fines
STP3	GM Silty gravels, gravel-sand-silt mixtures
STP4	GC Clayey gravels, gravel-sand-clay mixtures
STP5	SW Well graded sand or gravelly sands, little or no fines
STP6	SP Poorly graded sands or gravelly sands, little or no fines
STP7	SM Silty sands, sand-silt mixture
STP8	SC Clayey sands, sand-clay mixtures
STP9	ML Inorganic silts and very fine sands, rock floor, silty or clayey fine sands or clayey with slight plasticity
STP99	Not Evaluated
STP999	Other

SHORE-ZONE-WIDTH-REPRESENTATION-SEGMENT

A segment of a shore line whose attribute of segmentation is WIDTH.

SHORE-ZONE-WIDTH-REPRESENTATION-SEGMENT Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

SHORELINE

The area extending from the specified low water line inshore to the landward limit of exceptional storm wave action, over which the line of contact between land and water migrates.

SHORELINE Hydrographic Origin Category Code

Origin of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HOC0	Unknown
HOC1	Controlled
HOC4	Man-Made
HOC5	Natural
HOC999	Other

SHORELINE Identifier

The identifier that represents a SHORE.

Data Type: Character-String **Length:** 25

SHORELINE-REPRESENTATION

A model of a SHORELINE.

SHORELINE-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the SHORELINE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS1	Definiteq
EXS60	Indefinite (Shoreline)

SHORELINE-REPRESENTATION Relief Category Code **New**

A code indicating the shoreline relief.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
SHO2	Flat
SHO6	Steep

SHORELINE-REPRESENTATION Shoreline Category Code

The physical characteristic of the shoreline area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SLT0	Unknown
SLT10	Rocky
SLT11	Rubble
SLT13	Sandy
SLT14	Stony, Shingly Stony, Shingly
SLT6	Mangrove/Nipa
SLT8	Marsh, Swamp
SLT999	Other

SINGLE-PHASE-TRANSFORMER

Electrical device designed to change single phase voltage in an alternating current electric circuit.

SINGLE-PHASE-TRANSFORMER-BANK

An associated group of three SINGLE-PHASE-TRANSFORMERs at a substation.

SINGLE-PHASE-TRANSFORMER-BANK Identifier

The identifier that represents a specific SINGLE-PHASE-TRANSFORMER-BANK.

Data Type: Character-String **Length:** 35

SINGLE-PHASE-TRANSFORMER-BANK Mega Volt Amp Quantity

The maximum electrical power output of a SINGLE-PHASE-TRANSFORMER-BANK.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 750 **Unit of Measure:** Mega-Volt-Amps

SINGLE-PHASE-TRANSFORMER-BANK Power Frequency Code

The code that represents designed power frequency of the SINGLE-PHASE-TRANSFORMER-BANK.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	50 Hertz
2	60 Hertz

SINGLE-PHASE-TRANSFORMER-BANK Primary Voltage Quantity

The rated level of electrical voltage that is applied to the primary winding of a SINGLE-PHASE-TRANSFORMER-BANK.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 2.4 **Max Value:** 9999.9 **Unit of Measure:** Kilovolts

SINGLE-PHASE-TRANSFORMER-BANK Primary Winding Configuration Code

The code that represents the electrical configuration of the primary winding in a SINGLE-PHASE-TRANSFORMER-BANK.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Wye
2	Wye - Grounded
3	Delta

SINGLE-PHASE-TRANSFORMER-BANK Secondary Voltage Quantity

The rated level of electrical voltage that is applied to the secondary winding of a SINGLE-PHASE-TRANSFORMER-BANK .

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 2.4 **Max Value:** 9999.9 **Unit of Measure:** Kilovolts

SINGLE-PHASE-TRANSFORMER-BANK Secondary Winding Configuration Code

The code that represents the electrical configuration of the secondary winding in a SINGLE-PHASE-TRANSFORMER-BANK.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Wye
2	Wye - Grounded
3	Delta

SKI-JUMP

A ramp used for ski jumping.

SKI-JUMP-REPRESENTATION

A model of a SKI-JUMP.

SKI-JUMP-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

SKI-JUMP-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

SKI-JUMP-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

SLAVED-VARIATION

A fixed value of magnetic variation applied to true direction to obtain the magnetic values for radials, courses and headings. This is established by mechanical adjustment to the navigational aid equipment, and is only changed when slaved north varies from magnetic north by an amount established by the controlling agency.

SLAVED-VARIATION Angle

A fixed value of magnetic variation applied to true direction to obtain the magnetic values for radials, courses and headings. This is established by mechanical adjustment to the navigational aid equipment, and is only changed when slaved north varies from magnetic north by an amount established by the controlling agency.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 179 **Unit of Measure:** Degrees

SLAVED-VARIATION Angle Type Code

A code indicating the reference type used to measure the SLAVED-VARIATION angle.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	True
2	Grid
3	Magnetic

SLAVED-VARIATION Direction Code

A code indicating the direction of a SLAVED-VARIATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	East
W	West

SLAVED-VARIATION Established Month Date

The month the SLAVED-VARIATION was established.

Data Type: Date **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 12 **Unit of Measure:** None

SLAVED-VARIATION Established Year Date

The month the SLAVED-VARIATION was established.

Data Type: Date **Length:** 4 **Decimal Count:** 0
Min Value: 1900 **Max Value:** 9999 **Unit of Measure:** None

SLAVED-VARIATION Method Type Code

A code indicating the method used to determine the SLAVED-VARIATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Calculated
2	Reported

SLIPWAY **New**

A prepared slope for launching vessels for the first time from a shipyard.

SLIPWAY Identifier **New**

A prepared slope for launching and recovering vessels.

Data Type: Character-String **Length:** 35

SLIPWAY-REPRESENTATION **New**

A model of a prepared slope for launching vessels for the first time from a shipyard.

SLIPWAY-REPRESENTATION Length Dimension **New**

A measurement of the shorter of two linear axes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SLIPWAY-REPRESENTATION Vertical Reference Category Code **New**

A code that indicates the relative location of the SLIPWAY-REPRESENTATION relative to the sounding datum.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR2	Awash at Sounding Datum
VRR4	Below Surface/Submerged
VRR8	Covers and Uncovers

SLIPWAY-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SLOPE-RANGE-REPRESENTATION

An area enclosing a group of slope values falling within a set range.

SLOPE-RANGE-REPRESENTATION Ground Slope Category Code **New**

Range indicating the slope of ground within delineated area of feature usually manually derived, reported in percent.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
GSC0	Unknown
GSC1	(0 to >45) Culturally or Naturally Dissected Land
GSC2	<=3
GSC3	>3 and <=10
GSC4	>10 and <=20
GSC5	>20 and <=30
GSC6	>30 and <=45
GSC7	>45

SLOPE-RANGE-REPRESENTATION Maximum Rate

The maximum percentage of slope for this SLOPE-RANGE-REPRESENTATION.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 90 **Unit of Measure:** Percent of grade

SLOPE-RANGE-REPRESENTATION Minimum Rate

The maximum percentage of slope for this SLOPE-RANGE-REPRESENTATION.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 0 **Max Value:** 90 **Unit of Measure:** Percent of grade

SLOPE-RANGE-REPRESENTATION Slope Polygon Range Code **New**

Range indicating the slope of ground within delineated area of feature, reported in percent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SPR0	Unknown
SPR1	<=3
SPR10	Culturally or Naturally Dissected Land (0 to >85)
SPR2	>3 and <=10
SPR3	>10 and <=15
SPR4	>15 and <=20
SPR5	>20 and <=30
SPR6	>30 and <=45
SPR7	>45 and <=60
SPR8	>60 and <=85
SPR9	>85
SPR999	Other

SMOKESTACK

A vertical structure containing a passage or flue for discharging smoke and gases of combustion.

SMOKESTACK Identifier

The identifier that represents a specific SMOKESTACK.

Data Type: Character-String **Length:** 35

SMOKESTACK Shape Type Code

The code that represents the shape of a SMOKESTACK.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC79	Round
SSC80	Rectangular

SMOKESTACK-REPRESENTATION

A model of a SMOKESTACK.

SMOKESTACK-REPRESENTATION Character of Light Identifier **New**

An identifier composed of the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position.

Data Type: Character-String **Length:** 80

SMOKESTACK-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the SMOKESTACK-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS7	Destroyed

SMOKESTACK-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the SMOKESTACK-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

SMOKESTACK-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the SMOKESTACK-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

SMOKESTACK-REPRESENTATION Material Composition Code

The code that represents the material used to construct the SMOKESTACK.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC108	Stone
MCC20	Composition
MCC21	Concrete
MCC62	Masonry
MCC64	Metal
MCC72	Part Metal
MCC77	Prestressed Concrete
MCC83	Reinforced Concrete
MCC9	Brick

SMOKESTACK-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the SMOKESTACK-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

SNAG-REPRESENTATION

A model of one or more tree stems or stumps.

SNAG-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the SNAG-REPRESENTATION. For a round SNAG-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SNAG-REPRESENTATION Surface Reference Code

The relationship of a snag to the surface of the water at the low water datum.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
VRR1	Above Surface
VRR2	Awash
VRR4	Submerged
VRR8	Covered and Uncovered

SNAG-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the SNAG-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SNOW-ICE-FIELD

A large area permanently covered by snow or ice over land or water.

SNOW-ICE-FIELD Category Code

A code indicating the composition of SNOW-ICE-FIELD.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SIC1	Snow
SIC2	Ice

SNOW-ICE-FIELD-REPRESENTATION

A model of SNOW-ICE-FIELD.

SNOW-ICE-FIELD-REPRESENTATION Area **New**

The absolute area within the delineation of a SNOW-ICE-FIELD-REPRESENTATION.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

SNOW-ICE-FIELD-REPRESENTATION Length Dimension

The linear distance of SNOW-ICE-FIELD-REPRESENTATION.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Meters

SNOW-ICE-FIELD-REPRESENTATION Maximum Width Dimension

A linear distance measured perpendicular to the length of a SNOW-ICE-FIELD-REPRESENTATION.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Meters

SNOW-ICE-FIELD-REPRESENTATION Predominant Height Dimension

The average vertical height of the SNOW-ICE-FIELD-REPRESENTATION.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Meters

SNOW-ICE-MASS

A large area of snow or ice over land or water.

SNOW-ICE-MASS Identifier

The identifier that represents a SNOW-ICE-MASS.

Data Type: Character-String **Length:** 35

SNOW-ICE-MASS Polar Indicator Code

The code that indicates whether the SNOW-ICE-MASS is polar or non-polar.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Polar
2	Non-polar

SNOW-ICE-MASS Seasonal Indicator Code **New**

The code that indicates whether a SNOW-ICE-MASS is permanent or has seasonal variations.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Seasonal Ice
2	Non-Seasonal Ice

SNOW-ICE-MASS Type Code

A code that delineates the category of a SNOW-ICE-MASS.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
ICC10	Snow Ice Field
ICC5	Glacier
ICC7	Pack Ice

SOLAR-COLLECTOR

An apparatus for concentrating the suns energy to heat liquids.

SOLAR-COLLECTOR Identifier

The identifier that represents a specific SOLAR-COLLECTOR.

Data Type: Character-String **Length:** 35

SOLAR-PANEL

Units of solar cells that convert sunlight into electrical energy.

SOLAR-PANEL-REPRESENTATION

A model of a SOLAR-PANEL.

SOLAR-PANEL-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the SOLAR-PANEL-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

SOLAR-PANEL-REPRESENTATION Height Dimension

The vertical distance measured from the lowest surface beneath the SOLAR-PANEL to the top of the panel.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

SOLAR-PANEL-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the SOLAR-PANEL-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

SOLAR-PANEL-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the SOLAR-PANEL-REPRESENTATION. For a round SOLAR-PANEL-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SOLAR-PANEL-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

SOLAR-PANEL-REPRESENTATION Product Category Code **New**

The code indicating the principal product resulting from the SOLAR-PANEL-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO31	Electric
PRO50	Heat

SOLAR-PANEL-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the SOLAR-PANEL-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

SOLAR-PANEL-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the SOLAR-PANEL-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SOLAR-PHOTOVOLTAIC-POWER-PLANT

A power plant that converts solar energy to electrical energy by photovoltaic reactions.

SOLAR-THERMAL-POWER-PLANT

A power plant that exploits solar energy to create steam to drive turbine generators.

SOUNDING-REPRESENTATION

A model of a measured water depth or spot depth which has been reduced to chart datum.

SOUNDING-REPRESENTATION Category Code

The code that interpretation of the SOUNDING-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SND1	Drying Height
SND10	Ordinary
SND13	Normal (IHO)
SND14	Hairline (IHO)
SND2	No Bottom Found
SND9	Slant
SND93	Doubtful Sounding
SND96	Least depth unknown, safe clearance at value shown
SND999	Other

SOUNDING-REPRESENTATION Date

The date of a SOUNDING-REPRESENTATION.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

SOUNDING-REPRESENTATION Depth Dimension

The depth of the SOUNDING-REPRESENTATION.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: -20 **Max Value:** 12000 **Unit of Measure:** Meters

SOUNDING-REPRESENTATION Hydrographic Depth Dimension

Information about the quality about the SOUNDING-REPRESENTATION.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: -20 **Max Value:** 11000 **Unit of Measure:** meters

SOUNDING-REPRESENTATION Hydrographic Drying Height Dimension

The height of the area defined by the SOUNDING-REPRESENTATION that is covered and uncovered by tidal action against a specified vertical datum.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 50 **Unit of Measure:** Meters

SOUNDING-REPRESENTATION Sounding Exposition Code

The code that indicates the general relationship of the SOUNDING-REPRESENTATION to SOUNDING-REPRESENTATIONs in the immediate area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SOU0	Undefined
SOU1	Within the range of depth of the surrounding depth area
SOU2	Shallower than the range of depth of the surrounding depth area
SOU3	Deeper than the range of depth of the surrounding depth area

SOUNDING-REPRESENTATION Velocity Correction Code

The code that indicates the type of correction applied to instrument readings to produce the correct depth.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SVC0	Unknown
SVC1	Echo Sounder Calibrated at 4800 ft/sec Uncorrected
SVC2	Echo Sounder Calibrated at 1500 m/sec Uncorrected
SVC3	Mathews Tables (NP 139) Corrected
SVC4	Sound Velocity Meter (SVM) Corrected
SVC5	Corrected by other means of calibration

SPECIAL-STRUCTURE

Independent features (structures).

SPECIAL-STRUCTURE Type Code

The code that represents the type of SPECIAL-STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AJ050	Windmill
AL015	Building
AL018	Building Superstructure Addition
AL025	Cairn
AL030	Cemetary
AL050	Display Sign
AL070	Fence
AL110	Light Standard
AL130	Monument
AL140	Particle Accelerator
AL195	Ramp
AL240	Tower (non-communication0
AL260	Wall
AQ010	Aerial Cableway
AQ020	Aerial Cableway Pylon
AQ150	Flight of Steps
BH075	Fountain
GB040	Launch Pad

SPECIAL-STRUCTURE-REPRESENTATION

A model of a SPECIAL-STRUCTURE or feature.

SPECIAL-STRUCTURE-REPRESENTATION Type Code

The code that represents the type of SPECIAL-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AJ050	Windmill
AL015	Building
AL018	Building Superstructure Addition
AL025	Cairn
AL030	Cemetary
AL050	Display Sign
AL070	Fence
AL100	Hut
AL110	Light Standard
AL130	Monument
AL140	Particle Accelerator
AL195	Ramp
AL240	Tower (non-communication0
AL260	Wall
AQ010	Aerial Cableway
AQ020	Aerial Cableway Pylon
AQ150	Flight of Steps
BH075	Fountain
GB040	Launch Pad

SPECIAL-USE-AIRSPACE

Airspace of defined dimensions identified by an area on the surface of the earth wherein activities must be confined because of their nature and/or wherein limitations may be imposed upon aircraft operations that are not a part of those activities.

SPECIAL-USE-AIRSPACE Altitude Limits Text **New**

The textual description of the altitude limits of special use airspace.

Data Type: Character-String **Length:** 256

SPECIAL-USE-AIRSPACE Identifier **New**

The identifier that represents a special use air space.

Data Type: Character-String **Length:** 12

SPECIAL-USE-AIRSPACE Rule Type Code

A code identifying the type of rule applied to flight in a SPECIAL-USE-AIRSPACE under certain meteorological conditions.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
IFR	Instrument Flight Rules
IMC	Instrument Meterological Conditions
NAM	Notices to Airmen
VFR	Visual Flight Rules
VMC	Visual Meterological Conditions

SPECIAL-USE-AIRSPACE Type Code

An alpha code assigned to a specific type of SPECIAL-USE-AIRSPACE.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AUL0	Unknown
AUL1	Danger Area
AUL10	Parachute Jump Area (Parachute Drop Zone)
AUL2	Prohibited Area
AUL28	Military Operations Area (MOA)
AUL3	Restricted Area
AUL5	Alert Area
AUL6	Warning Area
AUL9	Temporary Reserved Airspace (TRA)

SPECIAL-USE-AIRSPACE-SEGMENT

A uniquely identifiable portion of the horizontal limits of a designated SPECIAL-USE-AIRSPACE, such that a contiguous set of one or more segments forms the horizontal limits of the designated SPECIAL-USE-AIRSPACE.

SPECIFICATION

A description of the parameters within which a product should be created or raw data captured.

SPECIFICATION Identifier

The identifier that represents a SPECIFICATION.

Data Type: Character-String **Length:** 50

SPECIFICATION Type Code

The code that represents the type of SPECIFICATION.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	CAPTURE
02	PRODUCT

SPECIFICATION-ASSESSMENT

The results of an examination of an object to determine its quality against a specific item within a SPECIFICATION.

SPECIFICATION-ASSESSMENT Determination Method Text

The method by which compliance with a specification item was derived.

Data Type: Character-String **Length:** 2000

SPECIFICATION-ASSESSMENT Indicator Code

The determination of whether an object is within the parameters established by a SPECIFICATION-ITEM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Object is within specification parameters
2	Object is not within specification parameters

SPECIFICATION-ITEM

A single set of criteria for a the capture or production of something.

SPECIFICATION-ITEM Description Text

The text that describes the SPECIFICATION-ITEM.

Data Type: Character-String **Length:** 500

SPECIFICATION-ITEM Name

The name of a SPECIFICATION-ITEM.

Data Type: Character-String **Length:** 50

SPECIFICATION-ITEM Sequence Number Identifier

The identifier that represents a specific sequence of the SPECIFICATION-ITEM.

Data Type: Character-String **Length:** 50

SPECIFICATION-ITEM Type Code

The code that represents the type of SPECIFICATION-ITEM.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Capture Specification
2	Product Specification

SPILLWAY

An INLAND-WATER-CONTROL-STRUCTURE which directs excess water into a specified path.

SPILLWAY-REPRESENTATION

New

A model of a SPILLWAY.

SPILLWAY-REPRESENTATION Location Category Code **New**

A code indicating the status of the SPILLWAY-REPRESENTATION relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

SPOT-ELEVATION-REPRESENTATION

A model of a designated location with an elevation value relative to a vertical datum.

SPOT-ELEVATION-REPRESENTATION Elevation Dimension

The height of the SPOT-ELEVATION-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 10000 **Unit of Measure:** Meters

SPOT-ELEVATION-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the SPOT-ELEVATION-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

SPOT-ELEVATION-REPRESENTATION Material Composition Code

The code that indicates the type of material found at the SPOT-ELEVATION-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC103	Snow/Ice
MCC30	Earthen

SPRING

A natural out-flow of water from below the ground surface.

SPRING Identifier

The identifier that represents a SPRING.

Data Type: Character-String **Length:** 35

STADIUM

An arena for holding and viewing events.

STADIUM-REPRESENTATION

A model of a STADIUM.

STADIUM-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS999	Other

STADIUM-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

STADIUM-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

STADIUM-REPRESENTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the STADIUM-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC46	Open
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC86	Oval
SSC999	Other

STADIUM-REPRESENTATION Structure Shape of Roof Code

The code that indicates the roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR40	Dome
SSR998	Not Applicable

STADIUM-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

STANDARD-INSTRUMENT-DEPARTURE

A preplanned instrument flight rule (IFR) air traffic control departure procedure that provides transition from the terminal to the appropriate enroute structure.

STANDARD-INSTRUMENT-DEPARTURE-SEGMENT

A specific segment of a STANDARD-INSTRUMENT-DEPARTURE.

STANDARD-INSTRUMENT-DEPARTURE-SEGMENT Type Code

The code which defines the type of STANDARD-INSTRUMENT-DEPARTURE-SEGMENT which the record is an element.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	SID RUNWAY TRANSITION
2	SID OR SID COMMON ROUTE
3	SID ENROUTE TRANSITION
4	RNAV SID RUNWAY TRANSITION
5	RNAV SID OR RNAV SID COMMON ROUTE
6	RNAV ENROUTE TRANSITION

STANDARD-TERMINAL-ARRIVAL

A preplanned instrument flight rule (IFR) air traffic control arrival procedure that provides transition from the enroute structure to an outer fix or an instrument approach fix/arrival waypoint in the terminal area.

STANDARD-TERMINAL-ARRIVAL-SEGMENT

A specified segment of a STANDARD-TERMINAL-ARRIVAL.

STANDARD-TERMINAL-ARRIVAL-SEGMENT Type Code

The code which defines the type of STANDARD-TERMINAL-ARRIVAL-SEGMENT of which the record is an element.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	STAR ENROUTE TRANSITION
2	STAR OF STAR COMMON ROUTE
3	STAR RUNWAY TRANSITION
4	RNAV STAR ENROUTE TRANSITION
5	RNAV STAR OR RNAV STAR COMMON ROUTE
6	RNAV STAR RUNWAY TRANSITION
7	PROFILE DESCENT ENROUTE TRANSITION
8	PROFILE DESCENT OR PROFILE DESCENT COMMON ROUTE
9	PROFILE DESCENT RUNWAY TRANSITION

STANDING-INLAND-WATER

INLAND-WATER without an appreciable current.

STANDING-INLAND-WATER Type Code

The code that represents the type of STANDING-INLAND-WATER.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BH080	Lake
BH090	Land Subject to Inundation
BH091	Flooded Area
BH130	Reservoir

STANDING-INLAND-WATER-REPRESENTATION

A model of a STANDING-INLAND-WATER.

STANDING-INLAND-WATER-REPRESENTATION Area **New**

The absolute area within the delineation of the MISCELLANEOUS-SURFACE-DRAINAGE.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999.9 **Unit of Measure:** Square Meters

STANDING-INLAND-WATER-REPRESENTATION Elevation Dimension

The elevation of STANDING-INLAND-WATER referenced to a specified datum.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -500 **Max Value:** 15000 **Unit of Measure:** Meters

STANDING-INLAND-WATER-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the STANDING-INLAND-WATER-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

STANDING-INLAND-WATER-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the STANDING-INLAND-WATER-REPRESENTATION. For a round STANDING-INLAND-WATER-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

STANDING-INLAND-WATER-REPRESENTATION Maximum Capacity Amount

The maximum amount of water a STANDING-INLAND-WATER body can retain.

Data Type: Integer **Length:** 7 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999999 **Unit of Measure:** Liter

STANDING-INLAND-WATER-REPRESENTATION Required Port Access Code **New**

Code that indicates that a STANDING-INLAND-WATER-REPRESENTATION is used for access to a required port, or that the STANDING-INLAND-WATER-REPRESENTATION is in a water body used for access to a required port.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
RPA1	Access Required
RPA2	Access Not Required

STANDING-INLAND-WATER-REPRESENTATION Type Code

The code that represents the type of STANDING-INLAND-WATER-REPRESENTATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
BH090	Land Subject to Inundation
BH155	Salt Evaporator

STANDING-INLAND-WATER-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the STANDING-INLAND-WATER-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

STATION **New**

A stopping place for the transfer of passengers and/or freight.

STATION Identifier **New**

The identifier that represents a STATION.

Data Type: Character-String **Length:** 35

STATION Transportation Use Category Code **New**

Identifies the primary user, function, or authority of the transportation system.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC14	Bus
TUC3	Railroad
TUC40	Subway

STATION-REPRESENTATION **New**

A model of a stopping place for the transfer of passengers and/or freight.

STATION-REPRESENTATION Height Dimension **New**

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the STATION-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

STATION-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the STATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

STATION-REPRESENTATION Location Category Code **New**

Status of the Station relative to surrounding area or water.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

STATION-REPRESENTATION Surface Material Category Code **New**

The surface material composition excluding internal structural material of the STATION-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

STATION-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the STATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meters

STATISTICAL-ASSESSMENT-CRITERIA

Describes any statistical methods used in the quantitative assessment of an object.

STATISTICAL-ASSESSMENT-CRITERIA Confidence Percent Rate

The stated confidence for a particular measurement associated with a STATISTICAL-ASSESSMENT-CRITERIA.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

STATISTICAL-ASSESSMENT-CRITERIA Statistic Type Code

The code that indicates the type of statistical measurement being applied.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	Root Mean Square Error
S	Standard Deviation

STEREO-PAIR

A three dimensional model formed by the intersecting homologous rays of an overlapping pair of images.

STEREO-PAIR Beginning Asymmetry Angle

The angle formed by the 1) the perpendicular projection of the ground point onto the plane formed by the STEREO-PAIR Beginning Convergence Angle and 2) the STEREO-PAIR Beginning Bisector Elevation Angle.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0 **Max Value:** 90 **Unit of Measure:** Degrees

STEREO-PAIR Beginning Bisector Elevation Angle

The bisector of the STEREO-PAIR Beginning Convergence Angle.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: -90 **Max Value:** 90 **Unit of Measure:** Degrees

STEREO-PAIR Beginning Convergence Angle

This angle is defined at the first lines of the left and right images to a point on the target, unless those images are rotated more than 90 degrees in which case the angle is measured from the first line of the left image and the last line of the right image to a point on the target..

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0 **Max Value:** 90 **Unit of Measure:** Degrees

STEREO-PAIR Ending Asymmetry Angle

The angle formed by the 1) the perpendicular projection of the ground point onto the plane formed by the STEREO-PAIR Ending Convergence Angle and 2) the STEREO-PAIR Ending Bisector Elevation Angle.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 2
Min Value: 0 **Max Value:** 90 **Unit of Measure:** Degrees

STEREO-PAIR Ending Bisector Elevation Angle

The bisector of the STEREO-PAIR Ending Convergence Angle.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 2
Min Value: -90 **Max Value:** 90 **Unit of Measure:** Degrees

STEREO-PAIR Ending Convergence Angle

This angle is defined at the last lines of the left and right images to a point on the target, unless those images are rotated more than 90 degrees in which case the angle is measured from the last line of the left image and the first line of the right image to a point on the target..

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	2
Min Value:	0	**Max Value:**	90	**Unit of Measure:**	Degrees

STEREO-PAIR Y Parallax Root Mean Square Dimension

The root mean square of Y parallax for all evaluated points of this STEREO-PAIR.

Data Type:	Floating-Point	**Length:**	9	**Decimal Count:**	3
Min Value:	0	**Max Value:**	99999.999	**Unit of Measure:**	Meters

STEREO-PAIR-ASSESSMENT-MEMBER

The association of a STEREO-PAIR in a BETWEEN-STEREO-PAIR-ASSESSMENT.

STORAGE-AREA

An area where materials are stored.

STORAGE-AREA Type Code

The code that indicates the type of STORAGE-AREA.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Grain-Storage
2	Liquid-Gaseous-Storage-Structure
3	Storage-Bunker
4	Storage-Bunker
5	Timber-Yard
6	Wrecking-Yard

STORAGE-AREA-REPRESENTATION

A model of a STORAGE-AREA.

STORAGE-AREA-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

STORAGE-AREA-REPRESENTATION Product Category Code

Principal material involved or product resulting from activity at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO1	Aircraft
PRO108	Stone
PRO112	Uranium
PRO116	Water
PRO13	Chemical
PRO17	Coal
PRO19	Coke
PRO3	Ammunition
PRO33	Explosives
PRO38	Gas
PRO39	Gasoline
PRO46	Gravel
PRO67	Oil
PRO82	Radioactive Material
PRO87	Salt
PRO88	Sand
PRO95	Sewage
PRO999	Other

STORAGE-AREA-REPRESENTATION Type Code

The code that indicates the type of STORAGE-AREA.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
1	Grain-Storage
2	Liquid-Gaseous-Storage-Structure
3	Storage-Bunker
4	Storage-Depot
5	Timber-Yard
6	Wrecking-Yard
BD181	Hulk

STORAGE-BUNKER

A structure which may be covered or surrounded with earth which is resistant to ordnance where materials or products are stored.

STORAGE-BUNKER Usage Code **New**

A code indicating the the primary user of the STORAGE-BUNKER.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE49	Civilian/Public
USE8	Military

STORAGE-BUNKER-REPRESENTATION

A model of a STORAGE-BUNKER.

STORAGE-BUNKER-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the STORAGE-BUNKER-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC30	Earthen
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

STORAGE-DEPOT

An area used for the storage of products or supplies. (See also AB000.)

STORAGE-DEPOT Number Identifier

A unique number relating specific interior map/chart features to border information.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Units

STORAGE-DEPOT Usage Code **New**

A code indicating the the primary user of the STORAGE-DEPOT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE25	Federal
USE49	Civilian/Public
USE8	Military

STORAGE-DEPOT-REPRESENTATION

A model of a STORAGE-DEPOT.

STORAGE-DEPOT-REPRESENTATION Height Above Surface Level Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

STORAGE-DEPOT-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the STORAGE-DEPOT-REPRESENTATION. For a round STORAGE-DEPOT-REPRESENTATION, the diameter is measured.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

STORAGE-DEPOT-REPRESENTATION Location Category Code

The code that indicates the relation of a feature relative to its surrounding area or to water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC25	Suspended or Elevated Above Ground or Water Surface
LOC40	Underground
LOC8	On Ground Surface

STORAGE-DEPOT-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC20	Composition
SMC30	Earthen
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

STREAM

A defined natural path that water takes when flowing.

STREAM Hydrographic Form Category Code

The code that represents the configuration form of a STREAM.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HFC0	Unknown
HFC1	Channelized Stream
HFC14	Braided
HFC16	Dissipating
HFC19	Gorge
HFC21	Wash / Wadi / Arroyo
HFC36	Anastomosing
HFC8	Normal Channel
HFC999	Other

STREAM-VANISHING-POINT

A point at which a STREAM passes into the ground.

STREAM-VANISHING-POINT Hydro Form Code **New**

A code indicating the form or configuration of the hydrological feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
HFC0	Unknown
HFC16	Dissipating
HFC2	Disappearing

STREAM-VANISHING-POINT Identifier

The identifier that represents the type of STREAM-VANISHING-POINT.

Data Type: Character-String **Length:** 35

STREET-ADDRESS

A label of a destination.

STREET-ADDRESS City Name

The name of the city that the STREET-ADDRESS resides in.

Data Type: Character-String **Length:** 100

STREET-ADDRESS Identifier

The identifier that represents a STREET-ADDRESS.

Data Type: Character-String **Length:** 999

STREET-ADDRESS Postal Code

The code that represents the postal code of the STREET-ADDRESS.

Data Type: Character-String **Length:** 10

Domain Valid Value	Domain Value Definition
Country Specific Values	

STREET-ADDRESS State Code

The code that represents the state or province where the address is located.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
See FIPS 10-4	

STREET-ADDRESS Street Text

The text that describes the STREET-ADDRESS.

Data Type: Character-String **Length:** 999

SUBMERGED-MARITIME-WRECK-REPRESENTATION

A model of a maritime wreck that is permanently covered by water.

SUBMERGED-MARITIME-WRECK-REPRESENTATION Depth Dimension

The shoalest depth of a submerged maritime wreck at low water datum.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 999
Min Value: 0 **Max Value:** 0.1 **Unit of Measure:** Meters

SUBMERGED-REEF-REPRESENTATION

A model of a reef that is permanently covered by water.

SUBMERGED-REEF-REPRESENTATION Depth Dimension

The shoalest depth of a reef at low water datum.

Data Type: Floating-Point **Length:** 5 **Decimal Count:** 99
Min Value: 0 **Max Value:** 0.01 **Unit of Measure:** Meters

SUBMERGED-SNAG-REPRESENTATION

A model of one or more tree stems or stumps that are below the surface of the water.

SUBMERGED-SNAG-REPRESENTATION Depth Dimension

The shoalest depth of a submerged snag at low water datum.

Data Type: Floating-Point **Length:** 4 **Decimal Count:** 99
Min Value: 0 **Max Value:** 0.1 **Unit of Measure:** Meters

SUBSTATION

A facility designed to maintain, increase or decrease electrical voltage.

SUBSTATION Identifier

The identifier that represents a specific instance of a SUBSTATION.

Data Type: Character-String **Length:** 35

SUBSTATION Structure Shape Category Code **New**

The code indicating the geometric form, appearance, or configuration of the SUBSTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC74	'T' Frame
SSC999	Other

SUBSTATION-REPRESENTATION

A model of a SUBSTATION.

SUBSTATION-REPRESENTATION Area **New**

The absolute area within the delineation of the SUBSTATION-REPRESENTATION.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

SUBSTATION-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the SUBSTATION-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

SUBSTATION-REPRESENTATION Conspicuousness Code **New**

A code indicating the conspicuous nature of the SUBSTATION-REPRESENTATION from harbors, approach channels, or offshore.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

SUBSTATION-REPRESENTATION Height Dimension **New**

The distance measured from the lowest point of the base at ground level or water level to the tallest point of the SUBSTATION-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

SUBSTATION-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the SUBSTATION-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

SUBSTATION-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the SUBSTATION-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC64	Metal
MCC999	Other

SUBSTATION-REPRESENTATION Orientation Angle **New**

The angular distanced measured from true north clockwise to the major axis of the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

SUBSTATION-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the SUBSTATION-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal
SMC999	Other

SUBSTATION-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the SUBSTATION-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

SUBSTATION-TRANSFORMER

A transformer within a particular SUBSTATION.

SUBSTATION-TRANSFORMER Sequence Identifier

The identifier that represents a specific SUBSTATION-TRANSFORMER.

Data Type: Character-String **Length:** 35

SUBSTATION-TRANSFORMER Type Code

The code that represents the kind of SUBSTATION-TRANSFORMER.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Single Phase
2	Three Phase

SUBSTATION-TRANSFORMER-POWER-LINE

The association between a SUBSTATION-TRANSFORMER and a POWER-LINE.

SURFACE

A two dimensional GEOMETRIC-SPATIAL-ELEMENT.

SURFACE Type Code

The code that represents a class of SURFACE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Regular-Area
2	Fan-Area
3	Surface-Region

SURFACE-INTERIOR-POINT

The association between a SURFACE and a POINT that exists on the interior of that SURFACE.

SURFACE-MATERIAL-DEPTH-GREATER-PRECISION

The range of depth of soil or unconsolidated material over bedrock.

SURFACE-MATERIAL-DEPTH-GREATER-PRECISION Depth Code

A code that indicates the range of depth of soil or unconsolidated material over bedrock for a SURFACE-MATERIAL-DEPTH-GREATER-PRECISION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YSD0	Unknown
YSD1	<=0.25 Meters
YSD2	>0.25 and <=0.5 Meters
YSD3	>0.5 and <=1.5 Meters
YSD4	>1.5 and <=2.5 Meters
YSD5	>2.5 and <=5.0 Meters
YSD6	>5.0 and <=10.0 Meters
YSD7	>10.0 Meters

SURFACE-MATERIAL-DEPTH-REPRESENTATION-ELEMENT

A type of SURFACE-MATERIAL-REPRESENTATION-ELEMENT delimited by a constant value of depth.

SURFACE-MATERIAL-DEPTH-REPRESENTATION-ELEMENT Precision Type Code

A code to indicate the level of precision of the SURFACE-MATERIAL-DEPTH-REPRESENTATION-ELEMENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	SURFACE-MATERIAL-DEPTH-STANDARD-PRECISION
2	SURFACE-MATERIAL-DEPTH-GREATER-PRECISION

SURFACE-MATERIAL-DEPTH-STANDARD-PRECISION

The standard depth of soil or unconsolidated material over bedrock.

SURFACE-MATERIAL-DEPTH-STANDARD-PRECISION Depth Code

A code that indicates the depth of soil or unconsolidated material over bedrock for a SURFACE-MATERIAL-DEPTH-STANDARD-PRECISION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
SM10	Unknown
SM11	<0.5 Meters
SM12	>=0.5 Meters

SURFACE-POINT

The association between a SURFACE and a POINT.

SURFACE-POINT Type Code

The code that represents the kind of SURFACE-POINT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Surface Interior Point
2	Surface Reference Point

SURFACE-REFERENCE-POINT

The association between a SURFACE and a POINT that serves as a spatial reference for that SURFACE.

SURFACE-REGION

A SURFACE that is specified using its boundary.

SURFACE-REGION-BOUNDING-LINE

A LINE used in the specification of a SURFACE-REGION.

SWAMP-REPRESENTATION

A model of a swamp.

SWAMP-REPRESENTATION Tidal Category Code **New**

A code that indicates whether a feature is affected by tidal water.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TID0	Unknown
TID1	Non-Tidal
TID2	Tidal/Tidal Fluctuating

TAXIWAY

A surface to accommodate ground movement of vehicles between the RUNWAY and parking area.

TAXIWAY Type Code

A code that indicates the general usage or shape of a TAXIWAY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Available
D	Dispersal
E	Estimated
L	Link
N	None
O	Loop
P	Parallel
R	Perimeter
U	Unknown

TAXIWAY-ASSOCIATION

The association of a specific TAXIWAY with another TAXIWAY.

TELEPHONE-LINE

A system of above ground wires, including their supports which transmit electrical signals over distance.

TELEPHONE-LINE Identifier

The identifier that represents a TELEPHONE-LINE.

Data Type: Character-String **Length:** 35

TELEPHONE-LINE-HEIGHT-ABOVE-SURFACE-REPRESENTATION-SEGMENT

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the height above surface dimension.

TELEPHONE-LINE-HEIGHT-ABOVE-SURFACE-REPRESENTATION-SEGMENT Height Above Surface Dimension

The height of a telephone line segment.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

TELEPHONE-LINE-ISOLATION-REPRESENTATION-SEGMENT **New**

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the isolation code.

TELEPHONE-LINE-ISOLATION-REPRESENTATION-SEGMENT Isolation Code **New**

Distinguishes between communication lines that are in the open by themselves (isolated) and those that are in the midst of other features (not isolated).

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CLI1	Isolated
CLI2	Not isolated

TELEPHONE-LINE-OVER-WATER-OBSTRUCTION-REPRESENTATION-SEGMENT

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the over-water obstruction designator.

TELEPHONE-LINE-OVER-WATER-OBSTRUCTION-REPRESENTATION-SEGMENT Over Water Obstruction Code

The code indicating whether a telephone line segment crosses over an area of navigable water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
OWO1	Feature crosses navigable water
OWO2	Feature does not cross navigable water

TELEPHONE-LINE-PARALLEL-LINES-REPRESENTATION-SEGMENT **New**

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the number of parallel lines.

TELEPHONE-LINE-PARALLEL-LINES-REPRESENTATION-SEGMENT Parallel Lines Quantity **New**

Total number of parallel lines within the TELEPHONE-LINE-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** unit

TELEPHONE-LINE-REPRESENTATION

A descriptive and geometric model of a TELEPHONE LINE.

TELEPHONE-LINE-REPRESENTATION Cable Classification Code **New**

Code that tabulates the kind of transmission.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
CAB0	Unknown
CAB3	Telephone
CAB4	Telegraph

TELEPHONE-LINE-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the TELEPHONE-LINE-REPRESENTATION. For a round TELEPHONE-LINE-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

TELEPHONE-LINE-REPRESENTATION Permanency Code **New**

The code indicating the permanency of the TELEPHONE-LINE-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

TELEPHONE-LINE-REPRESENTATION-SEGMENT

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of a specific characteristic.

TELEPHONE-LINE-REPRESENTATION-SEGMENT Characteristics Type Code

The code that represents the specific characteristics that delimits a telephone line segment.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
HGT	Height Above Surface Level
OWO	Over Water Obstruction
SR	Surface Reference
TST	Transmission Line Suspension
VCS	Safe Vertical Clearance
VOI	Vertical Obstruction Identifier

TELEPHONE-LINE-REPRESENTATION-SEGMENT Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the TELEPHONE-LINE-REPRESENTATION-SEGMENT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

TELEPHONE-LINE-REPRESENTATION-SEGMENT Length Dimension **New**

A measurement of the longer of two linear axes of the TELEPHONE-LINE-REPRESENTATION-SEGMENT. For a round TELEPHONE-LINE-REPRESENTATION-SEGMENT, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

TELEPHONE-LINE-REPRESENTATION-SEGMENT Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the TELEPHONE-LINE-REPRESENTATION-SEGMENT.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC64	Metal
MCC74	Plastic
MCC999	Other

TELEPHONE-LINE-REPRESENTATION-SEGMENT Width Dimension **New**

A measurement of the shorter of two linear axes of the TELEPHONE-LINE-REPRESENTATION-SEGMENT.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	1	**Max Value:**	32767	**Unit of Measure:**	Meter

TELEPHONE-LINE-SAFE-VERTICAL-CLEARANCE-REPRESENTATION-SEGMENT

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the safe vertical clearance code.

TELEPHONE-LINE-SAFE-VERTICAL-CLEARANCE-REPRESENTATION-SEGMENT Safe Vertical Clearance Dimension

The measurement of the safe vertical clearance measured from the plane toward the telephone line segment.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

TELEPHONE-LINE-SURFACE-REFERENCE-REPRESENTATION-SEGMENT

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the surface reference designation.

TELEPHONE-LINE-SURFACE-REFERENCE-REPRESENTATION-SEGMENT Surface Reference Code

The code that represents the relative position of a telephone line to the surface of the earth.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC1	Above Surface
LOC4	Below Surface

TELEPHONE-LINE-TRANSMISSION-LINE-SUSPENSION-REPRESENTATION-SEGMENT

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the transmission line suspension designation.

TELEPHONE-LINE-TRANSMISSION-LINE-SUSPENSION-REPRESENTATION-SEGMENT Code

The code designating the type of suspension of a telephone line segment.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TST0	Unknown
TST1	Normal Suspension
TST2	Catenary (Over Mountains)
TST3	Catenary (Over Water)

TELEPHONE-LINE-VERTICAL-OBSTRUCTION-REPRESENTATION-SEGMENT

A section of a TELEPHONE-LINE-REPRESENTATION-SEGMENT delimited by the constant value of the vertical obstruction identifier.

TELEPHONE-LINE-VERTICAL-OBSTRUCTION-REPRESENTATION-SEGMENT Indicator Text

The text that identifies that a telephone line segment is a vertical obstruction to low-level flight.

Data Type: Character-String **Length:** 255

TELEPHONE-NUMBER

An electronic address for voice or data transmissions.

TELEPHONE-NUMBER Description Text

The text that describes the use or purpose of a TELEPHONE-NUMBER.

Data Type: Character-String **Length:** 9999

TELEPHONE-NUMBER Extension Digit Text

The text of the digits that must be dialed to reach a given phone station in the telephone number.

Data Type: Character-String **Length:** 10

TELEPHONE-NUMBER Identifier

The identifier that represents a specific telephone number.

Data Type: Character-String **Length:** 13

TELEPHONE-NUMBER Phone Digit Text

The text of the digits that must be dialed to reach a given pone station in the TELEPHONE-NUMBER.

Data Type: Character-String **Length:** 10

TELEPHONE-NUMBER Prefix Digit Text

The text of the prefix digits that must be dialed in the telephone number.

Data Type: Character-String **Length:** 8

TELEPHONE-NUMBER Type Code

The code that represents the type of TELEPHONE-NUMBER.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
CB	COMMERCIAL BEEPER
CC	COMMERCIAL CELLULAR
CD	COMMERCIAL DATA/DIGITAL
CF	COMMERCIAL FAX
CV	COMMERCIAL VOICE
DB	DSN BEEPER
DC	DSN CELLULAR
DD	DSN DATA/DIGITAL
DF	DSNFAX
DV	DSN VOICE

TELEPHONE-POLE

A pylon or pole used to support a telephone or telegraph line.

TELEPHONE-POLE Guyed Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

TELEPHONE-POLE Identifier

The identifier that represents a TELEPHONE-POLE.

Data Type: Character-String **Length:** 35

TELEPHONE-POLE-REPRESENTATION

A descriptive and geometric model of a TELEPHONE POLE.

TELEPHONE-POLE-REPRESENTATION Height Above Surface Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

TELEPHONE-POLE-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

TELEPHONE-POLE-REPRESENTATION Length Diameter Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

TELEPHONE-POLE-REPRESENTATION Material Composition Category Code

The code that indicates the characteristics of primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC107	Steel
MCC117	Wood
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

TELEPHONE-POLE-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 360 **Unit of Measure:** Deg

TELEPHONE-POLE-REPRESENTATION Permanency Type Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

TELEPHONE-POLE-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC12	Pyramid
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC74	'T' Frame
SSC999	Other

TELEPHONE-POLE-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC64	Metal
SMC72	Part Metal
SMC999	Other

TELEPHONE-POLE-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

TELPHER

A construction of cables strung between elevated supports on which carrier units are suspended.

TELPHER Identifier

The identifier that represents a specific TELPHER.

Data Type: Character-String **Length:** 35

TELPHER-REPRESENTATION

A model of a TELPHER.

TELPHER-REPRESENTATION Height Dimension

The vertical distance measured from the base of the TELPHER to its highest point.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999 **Unit of Measure:** Meters

TEMPORAL-VARIANCE

The results of an examination of an object to determine its time variance from a standard.

TEMPORAL-VARIANCE Time Quantity

The measured value of a TEMPORAL-VARIANCE.

Data Type: Floating-Point **Length:** 12 **Decimal Count:** 0
Min Value: 0 **Max Value:** 1e+012 **Unit of Measure:** Seconds

TERMINAL-PROCEDURE

A standard set of procedures governing the arrivals or departures at a specific airport.

TERMINAL-PROCEDURE Currency Date

The latest revision date of the TERMINAL-PROCEDURE.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

TERMINAL-PROCEDURE Emergency Safe Altitude Dimension

The altitude which provides at least 1000 feet of obstacle clearance in non-mountainous areas and 2000 feet of obstacle clearance in designated mountainous areas within a 100 nautical mile radius of the airport or heliport upon which the procedure is predicated.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Feet Above MSL

TERMINAL-PROCEDURE Identifier

Contains the name or series of characters with which the procedure is identified.

Data Type: Character-String **Length:** 28

TERMINAL-PROCEDURE Minimum Safe Altitude Depiction Code

The code that indicates the type of minimum safe altitude depiction used on the instrument approach procedure.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
TBD	

TERMINAL-PROCEDURE Remarks Text

A textual description providing essential information which applies to the entire terminal procedure.

Data Type: Character-String **Length:** 255

TERMINAL-PROCEDURE Transition Altitude Dimension

The altitude at or below which the vertical position of the aircraft is controlled by reference to altitudes.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Feet Above MSL

TERMINAL-PROCEDURE Type Code

A number code assigned to the specific type of procedure.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Standard Terminal Arrival (STAR)
2	Standard Instrument Departure (SID)
3	Instrument Approach Procedure (IAP)

TERMINAL-PROCEDURE Version Identifier

THE NUMBER OF TIMES THE PROCEDURAL DATA HAS CHANGED.

Data Type: Character-String **Length:** 3

TERMINAL-PROCEDURE-CLIMB-RATE

Information for the purpose of advising aircrews of the minimum climb rate necessary to achieve the required altitude.

TERMINAL-PROCEDURE-CLIMB-RATE Altitude Dimension

The altitude to which the TERMINAL-PROCEDURE-CLIMB-RATE applies .

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet Above MSL

TERMINAL-PROCEDURE-CLIMB-RATE Designator Code

The code indicating the type of climb rate required during a particular TERMINAL-PROCEDURE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Minimum Climb Rate
2	ATC Climb Rate

TERMINAL-PROCEDURE-CLIMB-RATE Remarks Text

Textual information provided WHEN THE DEPARTURE REQUIRES A CLIMB RATE TO AN ALTITUDE OR FIX AT WHICH THE CLIMB RATE IS NO LONGER REQUIRED.

Data Type: Character-String **Length:** 255

TERMINAL-PROCEDURE-CLIMB-RATE Sequence Identifier

Identifies the number of the TERMINAL-PROCEDURE-CLIMB-RATE for a RUNWAY at an airport.

Data Type: Character-String **Length:** 2

TERMINAL-PROCEDURE-CLIMB-RATE Vertical Velocity Rate

MINIMUM OR ATC CLIMB RATE/DESCENT.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999 **Unit of Measure:** Feet Per Minute

TERMINAL-PROCEDURE-FEEDER-ROUTE2

A route depicted on instrument procedures to designate routes for aircraft to proceed from the enroute structure to the initial approach fix.

TERMINAL-PROCEDURE-FEEDER-ROUTE2 Host Country Authority Code

The host country agency whom has authority for the terminal procedure.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TBD	TBD

TERMINAL-PROCEDURE-FEEDER-ROUTE2 Identifier

The identifier that represents the TERMINAL-PROCEDURE-FEEDER-ROUTE.

Data Type: Character-String **Length:** 28

TERMINAL-PROCEDURE-FEEDER-ROUTE2 Sequence Identifier

Identifies the relative position of the TERMINAL-PROCEDURE-FEEDER-ROUTE segment in the total terminal procedure.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	1	**Max Value:**	99999	**Unit of Measure:**	None

TERMINAL-PROCEDURE-FEEDER-ROUTE2-REPRESENTATION

A model of the TERMINAL-PROCEDURE-FEEDER-ROUTE.

TERMINAL-PROCEDURE-FEEDER-ROUTE2-REPRESENTATION Altitude Dimension

The referenced altitude associated with the TERMINAL-PROCEDURE-FEEDER-ROUTE segment.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99999	**Unit of Measure:**	Feet Above MSL

TERMINAL-PROCEDURE-FEEDER-ROUTE2-REPRESENTATION Course Angle

The magnetic course from waypoint 1 to waypoint 2 in the TERMINAL-PROCEDURE-FEEDER-ROUTE.

Data Type:	Fixed-Point	**Length:**	5	**Decimal Count:**	1
Min Value:	0.1	**Max Value:**	360	**Unit of Measure:**	Degrees

TERMINAL-PROCEDURE-FEEDER-ROUTE2-REPRESENTATION Course Angle Reference Type Code **New**

A code indicating the reference type used to measure the TERMINAL-PROCEDURE-FEEDER-ROUTE course angle.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	True
2	Grid
3	Magnetic

TERMINAL-PROCEDURE-FEEDER-ROUTE2-REPRESENTATION Distance Dimension

The distance between waypoint 1 and waypoint 2 on the TERMINAL-PROCEDURE-FEEDER-ROUTE segment.

Data Type:	Integer	**Length:**	4	**Decimal Count:**	0
Min Value:	0	**Max Value:**	9999	**Unit of Measure:**	Nautical Miles

TERMINAL-PROCEDURE-REFERENCE-OBJECT

A type of reference object.

TERMINAL-PROCEDURE-SEGMENT

A specific standard for a portion of a TERMINAL-PROCEDURE

TERMINAL-PROCEDURE-SEGMENT Altitude Description Code

Designates whether the referenced waypoint identified in the waypoint identifier should be crossed 'at', 'at or above', or 'between' specific altitudes.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AA	At or above altitude specified in altitude on
AB	At or below altitude specified in altitude one.
AS	As assigned
AT	At altitude specified in altitude one
BT	Between altitudes specified in altitude one and altitude two
CT	At or above altitude specified in altitude two.
GA	Glideslope altitude (MLS) at waypoint in altitude two (ILS-FAF only)
GI	Glideslope intercept altitude in altitude two.
RA	Recommended altitude

TERMINAL-PROCEDURE-SEGMENT Required Navigation Performance Dimension

A value indicating the navigation performance accuracy necessary for operation within the TERMINAL-PROCEDURE-SEGMENT.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99.9 **Unit of Measure:** Nautical Miles

TERMINAL-PROCEDURE-SEGMENT Sequence Identifier

Defines the relative position of the segment in the total TERMINAL-PROCEDURE.

Data Type: Character-String **Length:** 5

TERMINAL-PROCEDURE-SEGMENT Track Description Code

Defines the track geometry for a single terminal segment record.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
AF	Constant DME ARC to a fix
CA	Course to an altitude (position unspecified)
CD	Course to a DME distance
CF	Course to a fix
CI	Course to a next leg followed by a course oriented leg (intercept point undefined)
CR	Course to a radial termination (intercept point undefined)
DF	Computed track direct to a fix
DR	Direct intercepts radial
FA	Course from a fix to an altitude
FC	Course from a fix to a distance
FD	Course from a fix to a DME distance
FM	Course from a fix to a manual termination
HA	Automatically at a fix after reaching an altitude
HF	Automatically at the fix after one full circuit
HM	Manually
IF	Initial fix
PI	Procedure turn followed by a course to a fix (CF)
TD	Tear drop procedure turn
TF	Track between two fixes (great circle)
VA	Heading to an altitude (position unspecified)
VD	Heading to a DME distance
VI	Heading to a next leg (intercept point undefined)
VM	Heading to a manual termination
VR	Heading to a radial termination (intercept point undefined)

TERMINAL-PROCEDURE-SEGMENT Transition Identifier

The transition identifier describes the type of transition from the enroute environment to the terminal area and vice versa, from the terminal area to the approach, and from the runway or helipad to the terminal area.

Data Type: Character-String **Length:** 5

TERMINAL-PROCEDURE-SEGMENT Turn Direction Code

Indicates the referenced altitudes expressed in feet above sea level or a flight level (FL) associated with the track defined by the track description code.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
L	Left Turn
R	Right Turn

TERMINAL-PROCEDURE-SEGMENT Type Code

A code which defines the type of segment for the SID/STAR or IAP of which the record is an element.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
IAP	Instrument Approach Procedure
SID	Standard Instrument Departure
STAR	Standard Terminal Arrival

TERMINAL-PROCEDURE-SEGMENT-AIR-NAV-AID-REF-OBJECT

The association of a TERMINAL-PROCEDURE-SEGMENT and an AERONAUTICAL-NAVIGATIONAL-AID-REFERENCE-OBJECT.

TERMINAL-PROCEDURE-SEGMENT-AIR-NAV-AID-REF-OBJECT-REPRESENTATION

A model of the association of a TERMINAL-PROCEDURE and an AERONAUTICAL-NAVIGATIONAL-AID-REFERENCE-OBJECT.

TERMINAL-PROCEDURE-SEGMENT-AIR-NAV-AID-REF-OBJECT-REPRESENTATION Bearing Angle

The angular difference between True North and the bearing of the AIR-NAV-AID-REFERENCE-OBJECT

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

TERMINAL-PROCEDURE-SEGMENT-AIR-NAV-AID-REF-OBJECT-REPRESENTATION Distance Dimension

A model of the distance to the TERMINAL-PROCEDURE-SEGMENT waypoint from the AERONAUTICAL-NAVIGATIONAL-AID.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Natical Miles

TERMINAL-PROCEDURE-SEGMENT-ALTITUDE

A specific altitude associated with the track defined by the track description code.

TERMINAL-PROCEDURE-SEGMENT-ALTITUDE Description Text

Indicates the referenced altitudes or a flight level associated with the track defined by the track description code.

Data Type: Character-String **Length:** 5

TERMINAL-PROCEDURE-SEGMENT-ALTITUDE Sequence Identifier

The identifier that represents the TERMINAL-PROCEDURE-SEGMENT-ALTITUDE.

Data Type: Character-String **Length:** 35

TERMINAL-PROCEDURE-SEGMENT-ALTITUDE Type Code

The code that indicates the flight level associated with the specific TERMINAL-PROCEDURE-SEGMENT.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
FL	Flight Level
MAP	Missed Approach Point
RA	Radar Altimeter
TLV	Transition Level

TERMINAL-PROCEDURE-SEGMENT-FIX-DESCRIPTION

Descriptive information regarding the function of the waypoint.

TERMINAL-PROCEDURE-SEGMENT-FIX-DESCRIPTION Identifier

The identifier that represents the TERMINAL-PROCEDURE-SEGMENT-FIX-DESCRIPTION.

Data Type: Character-String **Length:** 35

TERMINAL-PROCEDURE-SEGMENT-FIX-DESCRIPTION Type 1 Code

The code that enables the function of the waypoint's location to be identified.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Airport or Heliport Waypoint
E	Essential Waypoint
G	Runway Waypoint
R	Non-essential Waypoint
S	Instrument Landing System (ILS) Record
T	Tactical Air Navigation Equipment (TACAN)
V	VHF Omni Directional (VORTAC), VHF Omni Directional (VOR/DME), VHF Omni Directional Radio Range (VOR)

TERMINAL-PROCEDURE-SEGMENT-FIX-DESCRIPTION Type 2 Code

The code that enables the function of the waypoint's location to be identified.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
B	END OF CONTINUOUS TRANSITION OVERFLY REQUIRED (SID OR STAR ONLY)
E	END OF CONTINUOUS TRANSITION
Y	OVERFLY

TERMINAL-PROCEDURE-SEGMENT-FIX-DESCRIPTION Type 3 Code

The code that enables the function of the waypoint's location to be identified.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
M	FIRST LEG OF MISSED APPROACH

TERMINAL-PROCEDURE-SEGMENT-FIX-DESCRIPTION Type 4 Code

The code that enables the function of the waypoint's location to be identified.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
F	FINAL APPROACH FIX (FAF)
H	HOLDING FIX
I	INITIAL APPROACH FIX (IAF)
M	MISSED APPROACH POINT

TERMINAL-PROCEDURE-SEGMENT-REPRESENTATION

A model of a TERMINAL-PROCEDURE-SEGMENT.

TERMINAL-PROCEDURE-SEGMENT-REPRESENTATION Distance Dimension

A model of the distance to the waypoint from the TERMINAL-PROCEDURE-SEGMENT.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Nautical-Miles

TERMINAL-PROCEDURE-SEGMENT-REPRESENTATION Magnetic Course Angle

Indicates directional information leading to the waypoint.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Degrees

TEXT-DATASET

A DATASET composed of only textual data.

THEMATIC-ASSESSMENT

The results of an examination of an object to determine its accuracy in the classification of its contents.

THEMATIC-ASSESSMENT Correct Classification Percent Rate

The measured correct thematic classification of an entity expressed as a percentage.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 100 **Unit of Measure:** Percent

THEME

A grouping of related types of features.

THEME Description Text

The text that describes a THEME.

Data Type: Character-String **Length:** 1000

THEME Name

The name of a THEME.

Data Type: Character-String **Length:** 50

THEODOLITE-LINE-REPRESENTATION New

Model of the lines of known bearing from fixed geographic locations. Used to determine accurate positions of a vessel on certain test ranges.

THREE-PHASE-TRANSFORMER

Electrical device designed to change three phase voltage in an alternating current electric circuit.

THREE-PHASE-TRANSFORMER Mega Volt Amp Quantity

The maximum electrical power output of a THREE-PHASE-TRANSFORMER.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 750 **Unit of Measure:** MVA

THREE-PHASE-TRANSFORMER Power Frequency Code

The code that represents designed power frequency of the THREE-PHASE-TRANSFORMER.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	50 Hertz
2	60 Hertz

THREE-PHASE-TRANSFORMER Primary Voltage Quantity

The rated level of electrical voltage that is applied to the primary winding of a THREE-PHASE-TRANSFORMER .

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 2.4 **Max Value:** 9999.9 **Unit of Measure:** Kilo-Volts

THREE-PHASE-TRANSFORMER Primary Winding Configuration Code

The code that represents the electrical configuration of the primary windings in a THREE-PHASE-TRANSFORMER.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Wye
2	Wye - Grounded
3	Delta

THREE-PHASE-TRANSFORMER Secondary Voltage Quantity

The rated level of electrical voltage that is applied to the secondary winding of a THREE-PHASE-TRANSFORMER .

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 2.4 **Max Value:** 9999.9 **Unit of Measure:** Kilo-Volts

THREE-PHASE-TRANSFORMER Secondary Winding Configuration Code

The code that represents the electrical configuration of the secondary winding in a THREE-PHASE-TRANSFORMER.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Wye
2	Wye - Grounded
3	Delta

TIDAL-FLOW-MEASUREMENT-REPRESENTATION

The measurement of flow rate and direction of flow of tidal areas at one hour intervals from REFERENCE-DATUM.

TIDAL-FLOW-MEASUREMENT-REPRESENTATION Current Direction Angle

The angle from true north described by the current flow vector.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 359 **Unit of Measure:** Degrees

TIDAL-FLOW-MEASUREMENT-REPRESENTATION Current Rate

The flow rate identified within a CURRENT-FLOW-REPRESENTATION-MEASUREMENT.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 50 **Unit of Measure:** Knots

TIDAL-FLOW-MEASUREMENT-REPRESENTATION Tidal Stage Code

The code that represents the tide stage that the TIDAL-FLOW-MEASUREMENT-REPRESENTATION was taken at.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
C60	Rate of current flow at tide reference level
C61	Rate of current flow at 1 hour after tide reference level
C62	Rate of current flow at 2 hours after tide reference level
C63	Rate of current flow at 3 hours after tide reference level
C64	Rate of current flow at 4 hours after tide reference level
C65	Rate of current flow at 5 hours after tide reference level
C66	Rate of current flow at 6 hours after tide reference level
C67	Rate of current flow at 5 hours before tide reference level
C68	Rate of current flow at 4 hours before tide reference level
C69	Rate of current flow at 3 hours before tide reference level
C70	Rate of current flow at 2 hours before tide reference level
C71	Rate of current flow at 1 hour before tide reference level

TIDAL-GATE

An artificial obstruction placed in a inland water course to increase the depth or to divert it.

TIDAL-WATER

An area of water which normally has tidal fluctuations.

TIDAL-WATER Name

Any Identifier or code.

Data Type: Character-String **Length:** 80

TIDAL-WATER-REPRESENTATION

An area of water which normally has tidal fluctuations.

TIDAL-WATER-REPRESENTATION Periodic Restriction Code

Restriction due to climate or other limitations.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
PRC0	Unknown
PRC1	Perennially Open, Not Subject to Ice
PRC2	Subject to Ice
PRC3	Permanent Ice

TIDAL-WATER-REPRESENTATION Surface Material Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC116	Water

TIDE-GAUGE-REPRESENTATION

A model of an instrument for measuring the height of the tide.

TIMBER-YARD

An open area for the storage of wooden lumber and timbers.

TIMBER-YARD-REPRESENTATION

A model of a TIMBER-YARD.

TIME-ZONE-REPRESENTATION

A model of an area of the world with constant date and time.

TIME-ZONE-REPRESENTATION Daylight Savings Time Text

The text description of how daylight saving time is implemented in a TIME-ZONE-REPRESENTATION.

Data Type: Character-String **Length:** 256

TIME-ZONE-REPRESENTATION Greenwich Time Delta Dimension

The difference between Greenwich Mean Time and this TIME-ZONE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1

Min Value: 0 **Max Value:** 24 **Unit of Measure:** Hours

TOPOLOGICAL-ELEMENT

A primitive that defines connectivity and relationships of geometric objects at a common LOCATION.

TOPOLOGICAL-ELEMENT Identifier

The geospatial position element identifier that denotes a TOPOLOGICAL-ELEMENT.

Data Type: Character-String **Length:** 35

TOPOLOGICAL-ELEMENT Type Code

The code that denotes a TOPOLOGICAL-ELEMENT type.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Node
2	Edge
3	Ring
4	Face
5	Shell

TOWER-NON-COMMUNICATION

A relatively tall structure which may be used for observation, support, storage, etc.

TOWER-NON-COMMUNICATION Basic Encyclopedia Number **New**

The unique number used to identify the TOWER-NON-COMMUNICATION in other national or intelligence data bases.

Data Type: Character-String **Length:** 16

TOWER-NON-COMMUNICATION Legacy Identifier

A unique number relating specific interior map/chart features to border information.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** None

TOWER-NON-COMMUNICATION Usage Code **New**

A code indicating the the primary user of the TOWER-NON-COMMUNICATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
USE0	Unknown
USE22	Joint Military/Civilian
USE49	Civilian/Public
USE8	Military

TOWER-NON-COMMUNICATION-REPRESENTATION

A model of a TOWER-NON-COMMUNICATION.

TOWER-NON-COMMUNICATION-REPRESENTATION Character of Light Text

Any identifier composed of the class, number and color(s) of flashes or occultations, of a light or lights at one geographic position [e.g. Q(6)+L F1, VQ G, L F1 (3+2)WR].

Data Type: Character-String **Length:** 80

TOWER-NON-COMMUNICATION-REPRESENTATION Existence Category Code

The code that indicates the state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

TOWER-NON-COMMUNICATION-REPRESENTATION Feature Number Identifier

Unique numeric feature identifier.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** TBD **Unit of Measure:** Units

TOWER-NON-COMMUNICATION-REPRESENTATION Guyed Category Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed
GUG999	Other

TOWER-NON-COMMUNICATION-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

TOWER-NON-COMMUNICATION-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes of the TOWER-NON-COMMUNICATION-REPRESENTATION. For a round TOWER-NON-COMMUNICATION-REPRESENTATION, the diameter is measured.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

TOWER-NON-COMMUNICATION-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

TOWER-NON-COMMUNICATION-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

TOWER-NON-COMMUNICATION-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC52	'A' Frame
SSC53	'H' Frame
SSC54	'I' Frame
SSC56	'Y' Frame
SSC60	Mast
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC999	Other

TOWER-NON-COMMUNICATION-REPRESENTATION Structure Shape of Roof Code

The code that indicates the roof shape.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSR0	Unknown
SSR38	Curved/Round (Quonset)
SSR40	Dome
SSR41	Flat
SSR42	Gable (Pitched)
SSR51	With Steeple
SSR6	Conical/Peaked/NUN
SSR77	With Cupola
SSR80	With Minaret
SSR999	Other

TOWER-NON-COMMUNICATION-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

TOWER-NON-COMMUNICATION-REPRESENTATION Tower Type Category Code

The code that indicates the appearance or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
AL220	US-Steeple UK-Steeple/Spire
TTC0	Unknown
TTC12	Fire
TTC2	Observation/Lookout
TTC4	Undefined
TTC999	Other

TRAFFIC-PROTECTION-STRUCTURE **New**

A structure over a travelled way designed to prevent obstruction from debris.

TRAFFIC-PROTECTION-STRUCTURE Identifier **New**

The identifier that represents a ROAD-GALLERY.

Data Type: Character-String **Length:** 35

TRAFFIC-PROTECTION-STRUCTURE Transportation Use Code **New**

The code that indicates the primary user of the TRAFFIC-PROTECTION-STRUCTURE.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TUC0	Unknown
TUC1	Both Road and Railroad
TUC3	Railroad
TUC4	Road

TRAFFIC-PROTECTION-STRUCTURE Type Code **New**

The code that represents the type of TRAFFIC-PROTECTION-STRUCTURE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
AL075	GALLERY
USE0	Unknown
USE115	Snow Shed
USE116	Rock Shed

TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION **New**

A model of a TRAFFIC-PROTECTION-STRUCTURE.

TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction

TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION Horizontal Clearance Dimension **New**

The distance available to pass a load that extends laterally beyond the wheels of a vehicle.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** 1 dm

TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION Length Dimension **New**

The length of a ROAD-GALLERY.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 999.9 **Unit of Measure:** Meters

TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION Operational Category Code **New**

A code indicating the condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction

TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION Overhead Clearance Dimension **New**

The least distance between the traveled way and any obstruction vertically above it.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.1 **Max Value:** 32767 **Unit of Measure:** .1 Meter

TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the TRAFFIC-PROTECTION-STRUCTURE-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

TRAIL

An UNIMPROVED-ROAD created by the movement of pedestrians or animals.

TRAIL-REPRESENTATION **New**

A model of a TRAIL.

TRAIL-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the TRAIL-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction

TREATY

A formal arrangement between political authorities.

TRENCH

A linear excavation dug for defensive purposes.

TRENCH-REPRESENTATION

A model of TRENCH.

TRENCH-REPRESENTATION Military Gap Width Dimension

The minimum horizontal bridging distance between banks (in decimeters).

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Decimeter

TUNDRA-REPRESENTATION

A model of a prairie-like region in the Arctic and Subarctic zones which sustains growth of low vegetation.

TUNDRA-REPRESENTATION Type Code

The code that indicates the type of tundra present in a vegetated area.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Herbacious
2	Brush
3	Alpine

TUNNEL

An underground or underwater corridor with one or more openings.

TUNNEL Bypass Condition Code

The code that represents the convenience of using an alternate route when avoiding a TUNNEL.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
BCC0	Unknown
BCC1	Easy
BCC2	Difficult
BCC3	Impossible

TUNNEL Identifier

The identifier that represents a specific TUNNEL.

Data Type: Character-String **Length:** 35

TUNNEL Remarks Text

The text describing miscellaneous information for a TUNNEL.

Data Type: Character-String **Length:** 250

TUNNEL Traversability Indicator Code

The code that indicates whether a TUNNEL is traversable by pedestrians.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
TRA1	Traversability
TRA2	Non-Traversable

TUNNEL Ventilation Type Code

The code that represents the type of ventilation utilized by a TUNNEL.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
TVT0	Unknown
TVT1	Natural
TVT2	Shaft
TVT3	Mechanical

TUNNEL-BORE

A natural or excavated conduit used for a TUNNEL.

TUNNEL-BORE-REPRESENTATION

A model of a TUNNEL-BORE.

TUNNEL-BORE-REPRESENTATION Maximum Width Dimension

The width of the widest point of the TUNNEL-BORE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99.9 **Unit of Measure:** Meters

TUNNEL-BORE-TUNNEL-TUBE

The association of a specific TUNNEL-TUBE with a specific TUNNEL-BORE.

TUNNEL-PASSAGE-COMPONENT

A corridor opening in a TUNNEL.

TUNNEL-PASSAGE-COMPONENT Category Code

The code that represents a class of TUNNEL-PASSAGE-COMPONENT.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Tunnel Bore
2	Tunnel Tube

TUNNEL-PASSAGE-COMPONENT Drainage System Code

The code that represents the condition of drainage within a TUNNEL-PASSAGE-COMPONENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
TDC0	Unknown
TDC1	Developed
TDC2	Undeveloped

TUNNEL-PASSAGE-COMPONENT Identifier

The identifier that represents a specific TUNNEL-PASSAGE-COMPONENT.

Data Type: Character-String **Length:** 35

TUNNEL-PASSAGE-COMPONENT-INLAND-WATER **New**

The association of a TUNNEL-PASSAGE-COMPONENT with a body of INLAND-WATER (including, but not limited to canals and aqueducts).

TUNNEL-PASSAGE-COMPONENT-OVERBURDEN

The material from the top of a TUNNEL to the Earth's surface.

TUNNEL-PASSAGE-COMPONENT-OVERBURDEN Type Code

The code that represents the type of TUNNEL-PASSAGE-COMPONENT-OVERBURDEN.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC104	Soil
MCC116	Water
MCC16	Clay
MCC46	Gravel
MCC84	Rock

TUNNEL-PASSAGE-COMPONENT-OVERBURDEN-REPRESENTATION

A model of a TUNNEL-PASSAGE-COMPONENT-OVERBURDEN.

TUNNEL-PASSAGE-COMPONENT-OVERBURDEN-REPRESENTATION Maximum Depth Dimension

The maximum vertical distance from the top of the TUNNEL-PASSAGE-COMPONENT to the Earth's surface.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0 **Max Value:** 9999.9 **Unit of Measure:** Meters

TUNNEL-PASSAGE-COMPONENT-OVERBURDEN-REPRESENTATION Minimum Depth Dimension

The minimum vertical distance from the top of the TUNNEL-PASSAGE-COMPONENT to the Earth's surface.

Data Type:	Fixed-Point	**Length:**	6	**Decimal Count:**	1
Min Value:	0	**Max Value:**	9999.9	**Unit of Measure:**	Meters

TUNNEL-PASSAGE-COMPONENT-REPRESENTATION

A model of a TUNNEL-PASSAGE-COMPONENT.

TUNNEL-PASSAGE-COMPONENT-REPRESENTATION Maximum Vertical Clearance Dimension

The largest distance between the floor and ceiling in a TUNNEL-PASSAGE-COMPONENT.

Data Type:	Integer	**Length:**	5	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meter

TUNNEL-PASSAGE-COMPONENT-REPRESENTATION Minimum Horizontal Traveled Way Width Dimension **New**

The minumum width of the traveled way, excluding hard pavements and shoulders.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Decimeters

TUNNEL-PASSAGE-COMPONENT-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 degrees) clockwise to the major axis of the tunnel passage.

Data Type:	Integer	**Length:**	3	**Decimal Count:**	0
Min Value:	0	**Max Value:**	360	**Unit of Measure:**	Degrees

TUNNEL-PASSAGE-COMPONENT-REPRESENTATION Total Usable Width Dimension **New**

The total usable width including pavements and hard shoulders.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Decimeters

TUNNEL-PASSAGE-COMPONENT-REPRESENTATION Width Dimension **New**

A measurement o f the shorter of two linear axes.

Data Type:	Integer	**Length:**	6	**Decimal Count:**	0
Min Value:	0	**Max Value:**	32767	**Unit of Measure:**	Meters

TUNNEL-PASSAGE-COMPONENT-ROAD

The association between a TUNNEL-PASSAGE-COMPONENT and a specific ROAD.

TUNNEL-PORTAL

An access area for a TUNNEL.

TUNNEL-PORTAL Identifier

The identifier that represents a TUNNEL-PORTAL.

Data Type: Character-String **Length:** 1

TUNNEL-PORTAL-REPRESENTATION

A model of a TUNNEL-PORTAL.

TUNNEL-PORTAL-REPRESENTATION Azimuth Angle

The angle of orientation of a TUNNEL-PORTAL measured clockwise from true North.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 359.9 **Unit of Measure:** Degrees

TUNNEL-PORTAL-REPRESENTATION Material Composition Code

The code that represents the material composition of a TUNNEL-PORTAL.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC117	Wood
MCC21	Concrete
MCC62	Masonry
MCC84	Rock
MCC9	Brick
MCC999	Other

TUNNEL-REPRESENTATION

A model of a TUNNEL.

TUNNEL-REPRESENTATION Length Dimension

The center line length of a TUNNEL-REPRESENTATION.

Data Type: Fixed-Point **Length:** 7 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99999.9 **Unit of Measure:** Meters

TUNNEL-REPRESENTATION Maximum Height Dimension

The maximum height from the travel surface to the apex of the TUNNEL-REPRESENTATION ceiling.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters

TUNNEL-REPRESENTATION Minimum Overhead Clearance Dimension

The smallest distance between the floor and ceiling within a TUNNEL.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0 **Max Value:** 999.9 **Unit of Measure:** Meters

TUNNEL-REPRESENTATION Operational Status Code

The code that represents the operational status of a TUNNEL.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed
EXS999	Other

TUNNEL-TUBE

A man made conduit used as a corridor through a TUNNEL.

TUNNEL-TUBE-REPRESENTATION

A model of a TUNNEL-TUBE.

TUNNEL-TUBE-REPRESENTATION Lining Material Composition Code

The code that represents the material composition of a TUNNEL's tube lining.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC117	Wood
MCC21	Concrete
MCC62	Masonry
MCC9	Brick
MCC999	Other

TUNNEL-TUBE-REPRESENTATION Maximum Outer Width Dimension

The maximum width dimension of the outer most edges of the TUNNEL-TUBE.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0 **Max Value:** 99.9 **Unit of Measure:** Meters

UNDERGROUND-BUNKER

An underground facility used by the military either for location of command/control centers or for troop encampment.

UNDERGROUND-BUNKER Service Branch Code **New**

The code indicating the specific military organization associated with the UNDERGROUND-BUNKER.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
YSU0	Unknown
YSU1	Air Force
YSU2	Army
YSU3	Coast Guard
YSU4	Marines
YSU5	Navy
YSU7	Joint
YSU999	Other

UNDERGROUND-BUNKER-REPRESENTATION

A model of UNDERGROUND-BUNKER.

UNDERGROUND-DWELLING **New**

A dwelling mostly or completely covered by earth.

UNDERGROUND-DWELLING-REPRESENTATION **New**

A model of an UNDERGROUND-SWELLING.

UNDERGROUND-DWELLING-REPRESENTATION Material Composition Code **New**

The code indicating the characterisitics of the primary material composition of the UNDERGROUND-DWELLING-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC21	Concrete
MCC30	Earthen
MCC62	Masonry (Brick/Stone)
MCC7	Bedrock
MCC83	Reinforced Concrete
MCC999	Other

UNDERGROUND-WATER

Water situated underground but reachable by wells.

UNIMPROVED-ROAD

A ROAD without design.

UNIMPROVED-ROAD Type Code

The code that represents a kind of UNIMPROVED-ROAD.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
AP010	CART-TRACK
AP050	TRAIL

UNIMPROVED-ROAD-REPRESENTATION New

A model of an UNIMPROVED-ROAD.

UNIMPROVED-ROAD-REPRESENTATION Minimum Traveled Way Width Dimension **New**

The minimum width of the UNIMPROVED-ROAD-REPRESENTATION, excluding hard pavements and shoulders.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Decimeter

UNIMPROVED-ROAD-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the UNIMPROVED-ROAD-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC30	Earthen
SMC999	Other

UNIMPROVED-ROAD-REPRESENTATION Transportation Use Code **New**

A code indicating the primary user, function, or authority of the UNIMPROVED-ROAD-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
TUC39	Caravan Route
TUC6	Street
TUC7	Through Route
TUC999	Other

UNIMPROVED-ROAD-REPRESENTATION Weather Category Code **New**

The code indicating the category of weather under which circumstances the UNIMPROVED-ROAD-REPRESENTATION is usable.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
WTC0	Unknown
WTC2	Fair/Dry Weather
WTC3	Winter Only

UNIMPROVED-ROAD-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes of the UNIMPROVED-ROAD-REPRESENTATION.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

UNIVERSAL-FACE

The outermost FACE of a set of topological elements, never bounded by a RING.

UNIVERSAL-SENSOR-MODEL

A polynomial coefficient representation of corrections to be applied to an image.

UNIVERSAL-SENSOR-MODEL Column Linear Coefficient E Quantity

*The 'e' value of the formula- row =e*longitude+f*latitude + g*height above the ellipsoid +h.*

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Unitless

UNIVERSAL-SENSOR-MODEL Column Linear Coefficient F Quantity

*The 'f' value of the formula- row =e*longitude+f*latitude + g*height above the ellipsoid +h.*

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Unitless

UNIVERSAL-SENSOR-MODEL Column Linear Coefficient G Quantity

*The 'g' value of the formula- row =e*longitude+f*latitude + g*height above the ellipsoid +h.*

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Unitless

UNIVERSAL-SENSOR-MODEL Column Linear Coefficient H Quantity

*The 'h' value of the formula- row =e*longitude+f*latitude + g*height above the ellipsoid +h.*

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Unitless

UNIVERSAL-SENSOR-MODEL Rational Polynomial Formulae Text

A textual depiction of the rational polynomial sequences used for this UNIVERSAL-SENSOR-MODEL for ground-to-image and image-to-ground processing.

Data Type: Character-String **Length:** 2000

UNIVERSAL-SENSOR-MODEL Row Linear Coefficient A Quantity

*The 'a' value of the formula-- row = a*longitude+b*latitude + c*height above the ellipsoid + d.*

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Unitless

UNIVERSAL-SENSOR-MODEL Row Linear Coefficient B Quantity

*The 'b' value of the formula- row = a*longitude+b*latitude + c*height above the ellipsoid + d.*

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Unitless

UNIVERSAL-SENSOR-MODEL Row Linear Coefficient C Quantity

*The 'c' value of the formula- row = a*longitude+b*latitude + c*height above the ellipsoid + d.*

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: -10**999 **Max Value:** 10**999 **Unit of Measure:** Unitless

UNIVERSAL-SENSOR-MODEL Row Linear Coefficient D Quantity

*The 'd' value of the formula- row = a*longitude+b*latitude + c*height above the ellipsoid + d.*

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Unitless

UNIVERSAL-SENSOR-MODEL-CORRECTION

Image row and column position corrections.

UNIVERSAL-SENSOR-MODEL-CORRECTION Column Correction Quantity

Image column position correction.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel Spacings

UNIVERSAL-SENSOR-MODEL-CORRECTION Row Correction Quantity

Image row position correction.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	-10**999	**Max Value:**	10**999	**Unit of Measure:**	Pixel Spacings

UNIVERSAL-SENSOR-MODEL-CORRECTION Table Sequence Quantity

The identifier of a particular UNIVERSAL-SENSOR-MODEL-CORRECTION.

Data Type:	Integer	**Length:**	4	**Decimal Count:**	0
Min Value:	4	**Max Value:**	3025	**Unit of Measure:**	Table Spacings

UNIVERSAL-SENSOR-MODEL-CORRECTION-TABLE

A correction to a UNIVERSAL-SENSOR-MODEL based on known collection variables.

UNIVERSAL-SENSOR-MODEL-CORRECTION-TABLE Offset Quantity

Position of the first correction table entry in either the row or column direction based on the value of UNIVERSAL-SENSOR-MODEL-CORRECTION-TABLE Type Code.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel Spacings

UNIVERSAL-SENSOR-MODEL-CORRECTION-TABLE Spacing Quantity

Spacing between successive correction table entries.

Data Type:	Floating-Point	**Length:**	22	**Decimal Count:**	15
Min Value:	0	**Max Value:**	10**999	**Unit of Measure:**	Pixel Spacings

UNIVERSAL-SENSOR-MODEL-CORRECTION-TABLE Type Code

The code that indicates what the correction table is a function of.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Function of row position
2	Function of column position

UNIVERSAL-SENSOR-MODEL-RIGOROUS-MODEL-POINT

A point defined in image space and object position as output from a rigorous geometry model.

UNIVERSAL-SENSOR-MODEL-RIGOROUS-MODEL-POINT Column Quantity

The column position of a UNIVERSAL-SENSOR-MODEL-RIGOROUS-MODEL-POINT

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel Spacings

UNIVERSAL-SENSOR-MODEL-RIGOROUS-MODEL-POINT Identifier

The identifier that represents a particular UNIVERSAL-SENSOR-MODEL-RIGOROUS-MODEL-POINT.

Data Type: Character-String **Length:** 15

UNIVERSAL-SENSOR-MODEL-RIGOROUS-MODEL-POINT Row Quantity

The row position of a UNIVERSAL-SENSOR-MODEL-RIGOROUS-MODEL-POINT.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 15
Min Value: 0 **Max Value:** 10**999 **Unit of Measure:** Pixel Spacings

USER-PROFILE

User identification information, delivery/shipping information, and general user interest information.

USER-PROFILE Deactivation Date

The date upon which the user profile was deactivated.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 102 **Max Value:** 99991231 **Unit of Measure:** None

USER-PROFILE Identifier

The identifier that represents a USER-PROFILE. USER-PROFILE's may be default profiles or profiles assigned to specific users.

Data Type: Character-String **Length:** 50

USER-PROFILE Last Modification Date

The most recent date upon which an attribute of a USER-PROFILE was modified.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

USER-PROFILE Network Address Text

The network address of a USER.

Data Type: Character-String **Length:** 255

USER-PROFILE Password Text

The password of a user which is entered during logon to an information system.

Data Type: Character-String **Length:** 20

USER-PROFILE Priority Text

The maximum priority that a USER can assign to a system task.

Data Type: Character-String **Length:** 20

USER-PROFILE Security Administrator Indicator Code

The code that indicates whether or not the user of this USER-PROFILE is a Security Administrator.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No
Y	Yes

USER-PROFILE Type Code

The code tat represents the type of USER-PROFILE.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	USER-PROFILE-INDIVIDUAL

USER-PROFILE-AUTHORIZATION

The association between a specific USER-PROFILE and a specific AUTHORIZATION.

USER-PROFILE-BOUNDING-POLYGON

An area of inclusion or exclusion which is of interest to the user.

USER-PROFILE-BOUNDING-POLYGON Sequence Identifier

The sequence that helps uniquely identify a USER-PROFILE-BOUNDING-POLYGON.

Data Type: Integer **Length:** 8 **Decimal Count:** 0
Min Value: 1 **Max Value:** 99999999 **Unit of Measure:** None

USER-PROFILE-BOUNDING-POLYGON Type Code

The code that indicates the exclusion/inclusion role of the USER-PROFILE-BOUNDING-POLYGON.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Bounding
2	Inclusion
3	Inner Inclusion

USER-PROFILE-BOUNDING-POLYGON-POINT

The association of a specific USER-PROFILE-BOUNDING-POLYGON to a specific POINT.

USER-PROFILE-BOUNDING-POLYGON-POINT Sequence Identifier

The identifier that identifies the order of a USER-PROFILE-BOUNDING-POLYGON-POINT within a USER-PROFILE-BOUNDING-POLYGON.

Data Type:	Integer	**Length:**	8	**Decimal Count:**	0
Min Value:	0	**Max Value:**	99999999	**Unit of Measure:**	None

USER-PROFILE-INDIVIDUAL

A USER-PROFILE assigned to an individual.

USER-PROFILE-INDIVIDUAL Activation Date

The date upon which the USER-PROFILE was established.

Data Type:	Date	**Length:**	8	**Decimal Count:**	0
Min Value:	101	**Max Value:**	99991231	**Unit of Measure:**	None

USER-PROFILE-INDIVIDUAL Last Logon Date

The most recent date upon which a user logged on to an information system.

Data Type:	Date	**Length:**	8	**Decimal Count:**	0
Min Value:	101	**Max Value:**	99991231	**Unit of Measure:**	None

USER-PROFILE-INDIVIDUAL Logon Identifier

The identifier that represents a valid username that is typed into an information system during the logon process.

Data Type: Character-String **Length:** 20

USER-PROFILE-PREFERENCE

Specific USER preference selections.

USER-PROFILE-PREFERENCE User Modifiable Indicator Code

The code that indicates whether or not a USER may change a specific PREFERENCE selection.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No
Y	Yes

USER-PROFILE-PREFERENCE User Viewable Indicator Code

The code that indicates whether or not a USER may view a specific PREFERENCE assigned to a USER-PROFILE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
N	No
Y	Yes

USER-PROFILE-PREFERENCE-SET

An established group of specific USER preference selections.

USER-PROFILE-PREFERENCE-SET Inactivity Time Limit Quantity

The limit of time a user can be logged onto a system, but not issue any instructions to the CPU. (Once the time limit is exceeded, the user must resubmit his/her password to access the information).

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 3600 **Unit of Measure:** Seconds

USER-PROFILE-PREFERENCE-SET Maximum File Size Quantity

The maximum file size a USER can receive.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999 **Unit of Measure:** Megabytes

USER-PROFILE-PREFERENCE-SET Name

The name of an established group of specific USER preference selections.

Data Type: Character-String **Length:** 30

USER-PROFILE-PREFERENCE-SET Preferred Delivery Time

The time of day the USER prefers automatic electronic data transfer to take place.

Data Type: Character-String **Length:** 20

USER-PROFILE-QUERY

A query which is accessible to a USIGS-USER.

USER-PROFILE-QUERY Boolean Query Syntax Text

The Boolean Query Syntax (BQS) of the where clause portion of a query.

Data Type: Character-String **Length:** 200

USER-PROFILE-QUERY Browse Image Returned Indicator Code

The code that indicates whether or not a browse image is returned by a query.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
F	False
T	True

USER-PROFILE-QUERY Data Subject View Text

The subsection of the data in the data base that a query is intended to access.

Data Type: Character-String **Length:** 50

USER-PROFILE-QUERY Last Submission Date

The most recent date for which the query was submitted for execution.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

USER-PROFILE-QUERY Name

The name of a query which is available to a USIGS-USER.

Data Type: Character-String **Length:** 40

USER-PROFILE-QUERY Thumbnail Directory File Location Text

Defines the precise location of the thumbnail file, and provides private access control information needed to access that file or location.

Data Type: Character-String **Length:** 500

USER-PROFILE-QUERY Type Code

The code that represents the type of USER-PROFILE-QUERY.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
P	PERSONAL
S	STANDING

USIGS-USER

A PERSON who can order products and/or information.

USIGS-USER Duty Cycle Text

The work schedule of a particular USIGS-USER.

Data Type: Character-String **Length:** 200

USIGS-USER Geographic Location Text

The last reported location of a USIGS-USER.

Data Type: Character-String **Length:** 200

USIGS-USER Order Privilege Text

The text that identifies the ordering privileges (e.g. SAMMS, online) of the USIGS-USER with the USER-PROFILE.

Data Type: Character-String **Length:** 200

USIGS-USER Value Added Data Submission Privilege Text

The text that identifies the kinds of value added data that a USIGS-USER with this USER-PROFILE is authorized to submit.

Data Type: Character-String **Length:** 200

VECTOR-OBJECT

A spatial object used to locate zero, one and two-dimensional spatial locations in a DATASET.

VECTOR-OBJECT Name

The name of the VECTOR-OBJECT.

Data Type: Character-String **Length:** 50

VECTOR-OBJECT-REPRESENTATION

The description of the vector spatial representations within a DATASET.

VECTOR-OBJECT-REPRESENTATION Topology Level Code

The level of topology associated with a DATASET's VECTOR-OBJECTs.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
0	Spaghetti
1	Chain Node
2	Planar Graph
3	Full Topology

VECTOR-OBJECT-REPRESENTATION-VECTOR-OBJECT

The association of a VECTOR-OBJECT-REPRESENTATION with a VECTOR-OBJECT.

VECTOR-OBJECT-REPRESENTATION-VECTOR-OBJECT Quantity

The count of a particular VECTOR-OBJECT within a DATASET.

Data Type: Integer **Length:** 9 **Decimal Count:** 0
Min Value: 0 **Max Value:** 999999999 **Unit of Measure:** Each

VEGETATION-REPRESENTATION

A model of a vegetated area.

VEGETATION-REPRESENTATION Area **New**

The absolute area within the delineation of the feature measured with greater precision and range.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** 0.01 sq meter

VEGETATION-REPRESENTATION Certainty of Delination Code **New**

Indicates knowledge of the features limits or information.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COD1	Limits and Information Known
COD2	Limits and Information Unknown

VEGETATION-REPRESENTATION Conspicuous Category Code **New**

A conspicuous object is usually identifiable and plainly under varying conditions of light from harbors, approach channels, or offshore because of its size, shape, or height.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
COC0	Unknown
COC1	Conspicuous from sea
COC6	Inconspicuous

VEGETATION-REPRESENTATION Cultivation Code

The code that indicates whether a vegetated area is natural or cultivated.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
C	Cultivated
N	Natural

VEGETATION-REPRESENTATION Derived Obstacle Height/Depth Category Code **New**

Categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

VEGETATION-REPRESENTATION Existence Category Code **New**

The state or condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS30	Not Isolated
EXS31	Isolated

VEGETATION-REPRESENTATION Highest Z Value Dimension **New**

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

VEGETATION-REPRESENTATION Land Cover Rate

The total percent of land covered by vegetation.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

VEGETATION-REPRESENTATION Length Dimension **New**

A measurement of the longer of two linear axes.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

VEGETATION-REPRESENTATION Maintenace Status Code **New**

Code that iIndicates whether the feature is maintained.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
MAS0	Unknown
MAS1	Maintained
MAS2	Not Maintained

VEGETATION-REPRESENTATION Orientation Angle **New**

The angular distance measured from true north (0 deg) clockwise to the predominant linear pattern of the elements within the feature.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** degrees

VEGETATION-REPRESENTATION Predominant Height Dimension

The predominant height within the delineation of the VEGETATION-REPRESENTATION.

Data Type: Floating-Point **Length:** 10 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 999999999 **Unit of Measure:** Meters

VEGETATION-REPRESENTATION Primary Species Code

The code that indicates the primary plant species of a vegetated area.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
VEG0	Unknown
VEG1	Dry Crops
VEG11	Casuarina
VEG16	Nipa Palm
VEG17	Palm
VEG19	Mangrove
VEG22	Wheat
VEG23	Corn
VEG25	Evergreen
VEG26	Cork-Oak
VEG27	Fir
VEG28	Beech
VEG29	Eucalyptus
VEG30	Oak
VEG31	Pine
VEG32	Walnut
VEG33	Maple
VEG34	Poplar
VEG35	Olive
VEG36	Chestnut
VEG37	Larch
VEG38	Cypress
VEG39	Peach
VEG40	Apple
VEG41	Carob
VEG42	Almond
VEG43	Citrus
VEG44	Elm
VEG45	Ilex
VEG46	Birch
VEG47	Ash
VEG48	Hazel
VEG5	Agriculture with scattered forests or rows of trees
VEG56	Without Trees
VEG57	Agriculture with scattered trees or rows of trees
VEG58	Hop Vines
VEG59	Ginseng
VEG6	Cranberry
VEG60	Cotton
VEG61	Bananas

VEG62	Sugar Cane
VEG63	Bamboo
VEG7	Peat
VEG999	Other

VEGETATION-REPRESENTATION Product Category Code **New**

Pincipal material involved or product resulting from activity at site.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRO0	Unknown
PRO120	Bananas
PRO121	Cotton
PRO122	Bamboo
PRO123	Coffee
PRO124	Common fruit and/or nuts
PRO125	Palms
PRO126	Palmetto
PRO85	Rubber
PRO999	Other

VEGETATION-REPRESENTATION Roughness Category Code **New**

An indexed value indicating the roughness of vegetation.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
VRC1	0.00 100% reduction
VRC10	0.45
VRC11	0.50 50% reduction
VRC12	0.55
VRC13	0.60
VRC14	0.65
VRC15	0.70
VRC16	0.75
VRC17	0.80
VRC18	0.85
VRC19	0.90
VRC2	0.05
VRC20	0.95
VRC21	1.00 0% reduction
VRC22	Not evaluated area where development has precluded evaluation of soil
VRC3	0.10
VRC4	0.15
VRC5	0.20
VRC6	0.25
VRC7	0.30
VRC8	0.35
VRC9	0.40

VEGETATION-REPRESENTATION Surface Material Category Code **New**

Code indicating the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC104	Soil
SMC113	Vegetation Products
SMC200	Herbaceous/Scrub Vegetation (Excluding trees)
SMC201	Trees
SMC202	Wetland Vegetation
SMC21	Concrete
SMC5	Asphalt
SMC999	Other

VEGETATION-REPRESENTATION Terrain Analysis Type Code

The code that represents the type of terrain that exists in a vegetated area.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
06	Forest Clearing
09	Commercially Treed
12	Shrub
15	Other Wetlands
BH015	Bog
BH095	Marsh/Swamp
BH135	Rice-Field
BJ110	Tundra
EA010	Cropland
EA020	Hedgerow Hedgrow
EA030	Nursery
EA031	Botanical Garden Botanical Garden
EA040	Orchard/Plantation
EA050	Vineyards
EA055	Hops
EB010	Grassland
EC010	Bamboo
EC015	Forest
EC030	Trees
EC040	Cleared Way/Cut Line/Firebreak
EE000	Miscellaneous Vegetation
VEG0	Unknown
VEG1	Dry Crops
VEG5	Agriculture with scattered forests or rows of trees
VEG57	Agriculture with scattered trees or rows of trees
VEG8	Pasture, meadow, steppe
VEG9	Grassland with scattered trees
VEG999	Other

VEGETATION-REPRESENTATION Type Code **New**

Identifies the type of VEGETATION-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
TRE0	Unknown
TRE1	Deciduous
TRE2	Evergreen
TRE3	Mixed

VEGETATION-REPRESENTATION Vertical Reference Category Code **New**

The code indicating the relative location of the VEGETATION-REPRESENTATION referenced to the sounding datum.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VRR0	Unknown
VRR1	Above Surface/Does Not Cover (at High Water)
VRR8	Covers and Uncovers

VEGETATION-REPRESENTATION Width Dimension **New**

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 6 **Decimal Count:** 0
Min Value: 1 **Max Value:** 32767 **Unit of Measure:** Meter

VEGETATION-SHRUB-COMPONENT

The description of the shrub portion of a VEGETATION-REPRESENTATION.

VEGETATION-SHRUB-COMPONENT Brush Coverage Rate

The percent of a vegetated area covered by shrub undergrowth.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

VEGETATION-SHRUB-COMPONENT Deciduous Type Code

The code that indicates the type of deciduous shrubs present in a vegetated area.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Cold Deciduous
2	Dry Deciduous

VEGETATION-SHRUB-COMPONENT Density Code **New**

Density of brush or undergrowth.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
BUD0	Unknown
BUD1	Open (<=5%)
BUD2	Sparse (>5%<=15%)
BUD3	Medium (>15%<=50%)
BUD4	Dense (>50%)
BUD5	VALUE INTENTIONALLY LEFT BLANK (not applicable)

VEGETATION-SHRUB-COMPONENT Percent Deciduous Rate

The percent of shrub component of a vegetated area that is deciduous.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

VEGETATION-SHRUB-COMPONENT Percent Evergreen Rate

The percent of shrub component of a vegetated area that is evergreen.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

VEGETATION-SHRUB-COMPONENT Predominant Leaf Type Code

The code that indicates the predominate type of shrub leaf.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Broadleaf
2	Needle Leaf

VEGETATION-SHRUB-COMPONENT Predominant Needle Length Dimension

The average length of needles of the shrub component in a vegetated area.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 1 **Max Value:** 50 **Unit of Measure:** Centimeters

VEGETATION-TREE-COMPONENT

The description of the tree portion of a VEGETATION-REPRESENTATION.

VEGETATION-TREE-COMPONENT Average Stem Diameter Dimension

The average diameter of trees in a stand, measured at a height of 1.4 meters above the ground.

Data Type: Fixed-Point **Length:** 3 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 6 **Unit of Measure:** Meters

VEGETATION-TREE-COMPONENT Average Stem Spacing Dimension

The average distance between adjacent tree centerlines within the area of feature.

Data Type: Fixed-Point **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 99.9 **Unit of Measure:** Meters

VEGETATION-TREE-COMPONENT Canopy Quantity

The number of tree canopies present in a vegetated area.

Data Type: Integer **Length:** 4 **Decimal Count:** 0
Min Value: 0 **Max Value:** 9999 **Unit of Measure:** Each

VEGETATION-TREE-COMPONENT Deciduous Type Code

The code that indicates the type of deciduous tree in a vegetated area.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Cold Deciduous
2	Dry Deciduous

VEGETATION-TREE-COMPONENT Lowest Branch Height Dimension

The height of the lowest branch of the tree dimension.

Data Type: Integer **Length:** 4 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 20 **Unit of Measure:** Meters

VEGETATION-TREE-COMPONENT Percent Deciduous Rate

The percent of a vegetated area that is covered with deciduous trees.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

VEGETATION-TREE-COMPONENT Percent Evergreen Rate

The percent of a vegetated area that is covered with evergreen trees.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

VEGETATION-TREE-COMPONENT Predominant Leaf Type Code

The code that indicates the predominant type of tree leaf.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	Broad Leaf
2	Needles

VEGETATION-TREE-COMPONENT Predominant Needle Length Dimension

The predominant length of needles for the tree component in a vegetated area.

Data Type: Integer **Length:** 2 **Decimal Count:** 0
Min Value: 1 **Max Value:** 50 **Unit of Measure:** Centimeters

VEGETATION-TREE-COMPONENT Summer Canopy Density Code **New**

The code that indicates the percent of canopy closure during summer.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
STQ0	Unknown
STQ1	<=25
STQ2	>25 and <=50
STQ3	>50 and <=75
STQ4	>75
STQ5	Not applicable

VEGETATION-TREE-COMPONENT Tree Canopy Cover Rate **New**

Canopy cover measured by percent within area of feature during the summer season.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 100 **Unit of Measure:** Percent

VEGETATION-TREE-COMPONENT Winter Canopy Density Code **New**

The code that indicates the percent of winter canopy closure.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
WTR0	Unknown
WTR1	<=25
WTR2	>25 and <=50
WTR3	>50 and <=75
WTR4	>75
WTR5	Not applicable

VERTICAL-RECREATION-STRUCTURE

A generalization of a set of features that are recreational features and have a vertical dimension of interest.

VERTICAL-RECREATION-STRUCTURE Type Code

The code that indicates the type of VERTICAL-RECREATION-STRUCTURE.

Data Type: Character-String **Length:** 3

Domain Valid Value	Domain Value Definition
AK020	Amusement Park
AK070	Drive-In Theater
AK080	Drive-In Theater Screen
AK150	Ski-Jump
AK160	Stadium/Amphitheater

VERTICAL-RECREATION-STRUCTURE-REPRESENTATION

A model of the common attributes of set of VERTICAL-RECREATION-STRUCTURES.

VERTICAL-RECREATION-STRUCTURE-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0

Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

VERTICAL-RECREATION-STRUCTURE-REPRESENTATION Structure Shape Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC17	Spherical (Hemispherical)
SSC21	Artificial Mountain
SSC23	Ferris Wheel
SSC25	Roller Coaster
SSC46	Open
SSC79	Round
SSC80	Rectangular
SSC83	Square
SSC84	Irregular
SSC86	Oval
SSC999	Other

VERTICAL-SOUNDING-REFERENCE

A collection of local water level data.

VERTICAL-SOUNDING-REFERENCE Identifier

The identifier that represents a VERTICAL-REFERENCE-SOUNDING-DATUM.

Data Type: Character-String **Length:** 20

VERTICAL-SOUNDING-REFERENCE Name

The name of a VERTICAL-SOUNDING-REFERENCE.

Data Type: Character-String **Length:** 50

VIDEO-FRAME

A type of IMAGE-UNIT that is a single frame within a VIDEO-UNIT.

VIDEO-FRAME Sequence Identifier

The identifier that denotes the sequence of a frame of video within a video clip.

Data Type: Character-String **Length:** 8

VIDEO-UNIT

A sequential grouping of IMAGEs that produce a record of motion.

VIDEO-UNIT Frame Rate

The rate that video images are captured and displayed.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 2

Min Value: 0.01 **Max Value:** 50.99 **Unit of Measure:** Frames-per-Second

VIDEO-UNIT-FRAME

A specific VIDEO-FRAME associated with a VIDEO-UNIT.

VIDEO-UNIT-FRAME Sequence Identifier

The identifier that represents the sequence of a VIDEO-FRAME within a VIDEO-UNIT.

Data Type: Integer **Length:** 10 **Decimal Count:** 0
Min Value: 1 **Max Value:** 9999999999 **Unit of Measure:** Each

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION

A HYDROGRAPHIC-AID-TO-NAVIGATION communicating information in the visual spectrum detectable by the human eye.

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION International Association of Lighthouse Authorities Region Code

The code that represents the region where specific navigational standards apply as specified by the International Association of Lighthouse Authorities.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
A	Region A, Green Buoy to Starboard when entering port
B	Region B, Red Buoy to Starboard when entering port

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION Type Code

The code that represents a specific kind of VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	HYDROGRAPHIC-NAVIGATION-LIGHT
2	PASSIVE-VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP

A hierarchical collection of VISUAL-HYDROGRAPHIC-AIDs-TO-NAVIGATION transmitting information visually.

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP Identifier

The identifier that represents a VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP.

Data Type: Character-String **Length:** 35

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP Type Code

The code that represents a specific kind of VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP.

Data Type: Character-String **Length:** 2

Domain Valid Value	Domain Value Definition
01	Lights in Line (VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-IN-LINE)
02	Range Lights
03	Leading Lights

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP-COMPONENT

A VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION which is a member of a VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP.

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP-COMPONENT Type Code

The code that represents the type of VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP-COMPONENT.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
1	RANGE-LIGHT-GROUP-COMPONENT

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP-REPRESENTATION

A model of a VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP.

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP-REPRESENTATION Bearing Angle

The angle defined by the alignment of the components in a VISUAL- HYDROGRAPHIC-AID-TO-NAVIGATION-GROUP measured from True North.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 359.9 **Unit of Measure:** Degrees

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-IN-LINE

Lights marking area limits, cable alignments, alignments for anchoring, etc.

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-IN-LINE-ASSOCIATION

The association of one LIGHTS-IN-LINE to another.

VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-IN-LINE-ASSOCIATION Type Code

The code that represents a specific kind of VISUAL-HYDROGRAPHIC-AID-TO-NAVIGATION-IN-LINE-ASSOCIATION.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	MEASURED-DISTANCE-LINE

VOID-COLLECTION-AREA **New**

An area lacking suitable source coverage, or where data is not required.

VOID-COLLECTION-AREA Area **New**

The absolute area within the delineation of the VOID-COLLECTION-AREA.

Data Type: Floating-Point **Length:** 6 **Decimal Count:** 0
Min Value: 0.01 **Max Value:** 32767 **Unit of Measure:** Square Meter

VOID-COLLECTION-AREA Reason Code **New**

Code that indicates the reason data is not collected.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
VCA0	Unknown
VCA2	Area Too Rough to Collect
VCA3	No Available Imagery
VCA6	No Available Map Source
VCA7	No Suitable Imagery

VOID-COLLECTION-AREA Type Code **New**

Code that identifies the type of missing information.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
VCT0	Unknown
VCT1	Relief
VCT999	Other

VOLCANIC-DIKE

A wall-like ridge of igneous or metamorphic materials.

VOLCANIC-DIKE Identifier

A unique identifier for a VOLCANIC-DYKE.

Data Type: Character-String **Length:** 35

VOLCANIC-DIKE-REPRESENTATION

A model of a VOLCANIC-DIKE.

VOLCANIC-DIKE-REPRESENTATION Derived Obstacle Height-Depth Code **New**

Categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

VOLCANIC-DIKE-REPRESENTATION Highest Z-Value Dimension **New**

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

VOLCANIC-DIKE-REPRESENTATION Maximum Height Dimension

The vertical distance measured from the lowest point of the base at ground or water level to the tallest point of the VOLCANIC-DIKE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

VOLCANIC-DIKE-REPRESENTATION Predominant Height Dimension

The average vertical height of the VOLCANIC-DIKE-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

VOLCANIC-DIKE-REPRESENTATION Slope Rate

The maximum percentage of incline from the horizontal plane of the side of the VOLCANIC-DIKE-REPRESENTATION.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Percent

VOLCANIC-DIKE-REPRESENTATION Surface Reference Code

A code indicating a VOLCANO's vertical position relative to the surrounding area or water.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC1	Above Surface/Does not Cover (Height Known)
LOC2	Awash at Chart Datum
LOC3	Dries/Covers (Height Unknown)
LOC4	Below Water Surface
LOC999	Other

VOLCANO

A mountain or hill, often conical, formed around a vent in the Earth's crust through which molten rock, ash, or gases are or have been expelled.

VOLCANO Geologic Type Code

A code indicating the type of geologic formation created by volcanic activity.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
VGT1	Volcano
VGT2	Cinder Cone
VGT3	Shield
VGT4	Caldera
VGT5	Composite

VOLCANO Identifier

The identifier that represents a VOLCANO.

Data Type: Character-String **Length:** 35

VOLCANO Last Eruption Calendar Date

The date of the last known eruption of a VOLCANO.

Data Type: Date **Length:** 8 **Decimal Count:** 0
Min Value: 101 **Max Value:** 99991231 **Unit of Measure:** None

VOLCANO-REPRESENTATION

A model of a VOLCANO.

VOLCANO-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the VOLCANO-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

VOLCANO-REPRESENTATION Length Dimension

A linear distance of a VOLCANO-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

VOLCANO-REPRESENTATION Location Category Code

A code indicating a VOLCANO's vertical position relative to the surrounding area or water.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC4	Below Water Surface
LOC8	On Ground Surface

VOLCANO-REPRESENTATION Maximum Height Dimension

The vertical distance measured from the lowest point of the base at ground or water level to the tallest point of the VOLCANO-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

VOLCANO-REPRESENTATION Surface Reference Code

The code that represents the vertical relationship of VOLCANO to the surrounding terrain.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC01	Above Surface
LOC02	Awash at Chart Datum
LOC03	Dries/Covers
LOC04	Submerged

VOLCANO-REPRESENTATION Width Dimension

A linear distance measured perpendicular to the length of a VOLCANO-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 99999 **Unit of Measure:** Meters

WALL

A solid man-made barrier of heavy material used as an enclosure or boundary or for protection.

WALL-REPRESENTATION

A model of a WALL.

WALL-REPRESENTATION Derived Obstacle Height/Depth Category Code

The code that indicates the categorized maximum height or depth of an obstacle feature, in meters, with delineated segment of area.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
OHD0	Unknown
OHD1	>1.5 and <=5.0
OHD2	>5.0 and <=10.0
OHD3	>10.0 and <=20.0
OHD4	>20.0 and <=40.0
OHD5	>40.0

WALL-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

WALL-REPRESENTATION Location Category Code

The code that indicates the status of feature relative to surrounding area or water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
LOC0	Unknown
LOC1	Above Surface/Does not Cover (Height Known)
LOC2	Awash at Chart Datum
LOC3	Dries/Covers (Height Unknown)
LOC4	Below Water Surface
LOC8	On Ground Surface
LOC999	Other

WALL-REPRESENTATION Predominant Feature Height Dimension

Predominant height within delineation of feature.

Data Type: Floating-Point **Length:** 22 **Decimal Count:** 0
Min Value: 0 **Max Value:** TBD **Unit of Measure:** Meters

WALL-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC108	Stone
SMC117	Wood
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

WALL-REPRESENTATION Wall Type Code

The code that indicates the type of wall structure category.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
WTI 0	Unknown
WTI 1	Standing
WTI 2	Retaining
WTI 999	Other

WATER-CONTROL-STRUCTURE

A structure that directs and controls water.

WATER-CONTROL-STRUCTURE Identifier

The identifier that represents a specific WATER-CONTROL-STRUCTURE.

Data Type: Character-String **Length:** 25

WATER-CONTROL-STRUCTURE Type Code

The code that represents the type of WATER-CONTROL-STRUCTURE.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
1	SHORE-PROTECTION-STRUCTURE
2	INLAND-WATER-CONTROL-STRUCTURE

WATER-CONTROL-STRUCTURE-REPRESENTATION

A model of a WATER-CONTROL-STRUCTURE.

WATER-CONTROL-STRUCTURE-REPRESENTATION Base Length Dimension

The length of the bottom centerline of a WATER-CONTROL-STRUCTURE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1

Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Meters

WATER-CONTROL-STRUCTURE-REPRESENTATION Base Width Dimension

The width of a WATER-CONTROL-STRUCTURE-REPRESENTATION measured across the base of the structure.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 50 **Max Value:** 350 **Unit of Measure:** Meters

WATER-CONTROL-STRUCTURE-REPRESENTATION Crest Length Dimension

The length of the top centerline of a WATER-CONTROL-STRUCTURE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 6 **Decimal Count:** 1
Min Value: 0.1 **Max Value:** 9999.9 **Unit of Measure:** Meters

WATER-CONTROL-STRUCTURE-REPRESENTATION Crest Width Dimension

The width measured across the top of a WATER-CONTROL-STRUCTURE-REPRESENTATION.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 10 **Max Value:** 100 **Unit of Measure:** Meters

WATER-CONTROL-STRUCTURE-REPRESENTATION Height Dimension

The height of a WATER-CONTROL-STRUCTURE-REPRESENTATION measured from the base of the toe to the top of the crest.

Data Type: Fixed-Point **Length:** 5 **Decimal Count:** 1
Min Value: 3 **Max Value:** 300 **Unit of Measure:** Meters

WATER-CONTROL-STRUCTURE-REPRESENTATION Operational Status Code

The code that represents the operational status of a WATER-CONTROL-STRUCTURE.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned

WATER-CONTROL-STRUCTURE-REPRESENTATION Type Code

Depicts the type of WATER-CONTROL-STRUCTURE- i.e., whether it is used to protect the shore or inland water.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
1	SHORE-PROTECTION-STRUCTURE
2	INLAND-WATER-CONTROL-STRUCTURE

WATER-INTAKE-TOWER

A tower-like structure associated with a dam or water source and used for the intake of water.

WATER-INTAKE-TOWER Text

Narrative or other description.

Data Type: Character-String **Length:** 255

WATER-INTAKE-TOWER-REPRESENTATION

A model of a WATER-INTAKE-TOWER.

WATER-INTAKE-TOWER-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the WATER-INTAKE-TOWER-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

WATER-INTAKE-TOWER-REPRESENTATION Height Above Surface Dimension

Distance measured from the lowest point of the base at ground or water level (downhill side/downstream side) to the tallest point of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

WATER-INTAKE-TOWER-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

WATER-INTAKE-TOWER-REPRESENTATION Length Diameter Dimension

A measurement of the longer of two linear axes in meters. For a square feature, measure either axis. For a round feature, measure the diameter. For a bridge, the length is the distance between the bridge abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

WATER-INTAKE-TOWER-REPRESENTATION Material Composition Category Code

Characteristics of primary material composition of feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC0	Unknown
MCC20	Composition
MCC21	Concrete
MCC62	Masonry (Brick/Stone)
MCC64	Metal
MCC72	Part Metal
MCC999	Other

WATER-INTAKE-TOWER-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degree

WATER-INTAKE-TOWER-REPRESENTATION Permanency Type Code

Indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

WATER-INTAKE-TOWER-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC21	Concrete
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal

WATER-INTAKE-TOWER-REPRESENTATION Width Dimension

A measurement of the shorter of two linear axes. For a square feature, measure either axis. For a round feature, width shall be equal to LEN. For a bridge, the width is the measurement perpendicular to the axis between the abutments.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: 0 **Max Value:** 32767 **Unit of Measure:** Meter

WATER-WELL

A man-made hole from which water is extracted.

WATER-WELL Well Type Code

A code that represents the type of the WELL.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
WFT0	Unknown
WFT2	Walled-in
WFT3	Artesian Well
WFT4	Fountain
WFT999	Other

WAYPOINT-REFERENCE-OBJECT

A type of REFERENCE-OBJECT.

WELL

A hole bored into the subsurface for the purpose of obtaining long-term access.

WELL Category Code **New**

The code indicating the category of WELL.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
WFT0	Unknown
WFT2	Walled-in
WFT3	Artesian Well
WFT5	Dug or Drilled Well
WFT6	Dug
WFT7	Drilled

WELL Comment Text

The text describing a WELL.

Data Type: Character-String **Length:** 250

WELL Environmental Site Identifier

The identifier that represents an environmental site.

Data Type: Character-String **Length:** 255

WELL Identifier

The identifier of a specific WELL.

Data Type: Character-String **Length:** 20

WELL Purpose Code

The code that represents the reason of existence for the WELL.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
D	DOMESTIC WATER
E	EXTRACTION
I	IRRIGATION
J	INJECTION
M	MONITORING

WELL Type Code

The code that represents a kind of WELL.

Data Type: Character-String **Length:** 1

Domain Valid Value	Domain Value Definition
E	EXTRACTION
I	INJECTION
P	MONITORING-PERMENANT
T	MONITORING-TEMPORARY

WELL-PRODUCT

Principle material involved or product resulting from activity at a well.

WELL-PRODUCT Category Code

The code that indicates the primary product of a WELL.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PR067	Oil
PRO0	Unknown
PRO116	Water
PRO38	Gas
PRO999	Other

WELL-PRODUCT-WATER

Water extracted from a well.

WELL-PRODUCT-WATER Type Code

The code that represents the type of available water.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SCC0	Unknown
SCC1	Alkaline
SCC10	Salt
SCC2	Not Applicable
SCC4	Mineral
SCC9	Freshwater
SCC999	Other

WELL-PRODUCT-WATER-REPRESENTATION

A model of a WELL-PRODUCT-WATER.

WELL-PRODUCT-WATER-REPRESENTATION Hydrological Category Code

A description of the annual water content.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
HYC0	unknown
HYC3	dry
HYC6	intermittent/fluctuating, nonperennial
HYC8	perennial/permanent
HYC999	other

WELL-PRODUCT-WATER-REPRESENTATION Water Quality Code

A description of the drinking quality of the water.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
YWQ0	Unknown
YWQ1	Potable
YWQ2	Treatable
YWQ3	Contaminated

WELL-REPRESENTATION

A model of a WELL.

WELL-REPRESENTATION Begin Depth Dimension — New

The depth of the upper end of the WELL casing.

Data Type: Fixed-Point **Length:** 9 **Decimal Count:** 2
Min Value: -99999.99 **Max Value:** 999999.99 **Unit of Measure:** Feet

WELL-REPRESENTATION Casing Material Type Code — New

The code that represents the major component used to construct a WELL casing.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
MCC107	STEEL
MCC108	STONE
MCC117	WOOD
MCC120	ABCRYLONITRILE BUTADIENE STYRENE
MCC121	CARBON STEEL
MCC122	COATED STEEL
MCC123	FIBERGLASS
MCC124	GALVANIZED STEEL
MCC125	LOW CARBON STEEL
MCC126	LOW CARBON STEEL UPPER/STAINLESS
MCC127	POLYPROPYLENE
MCC128	POLYVINYL CHLORIDE
MCC129	STAINLESS STEEL
MCC130	TEFLON
MCC131	TILE
MCC132	WROUGHT IRON
MCC21	CONCRETE
MCC23	COPPER
MCC64	METAL
MCC74	PLASTIC
MCC84	ROCK
MCC9	BRICK
MCC999	OTHER
NA	NOT APPLICABLE/ OPEN WELL

WELL-REPRESENTATION Condition Code **New**

A code indicating the state or condition of the WELL-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS66	Damaged
EXS7	Destroyed

WELL-REPRESENTATION End Depth Dimension **New**

The depth of the lower end of a WELL casing.

Data Type: Fixed-Point **Length:** 9 **Decimal Count:** 2
Min Value: -99999.99 **Max Value:** 999999.99 **Unit of Measure:** Feet

WELL-REPRESENTATION Hydrological Category Code **New**

The code that identifies the annual water content of the WELL-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
HYC0	Unknown
HYC2	Not Applicable
HYC3	Dry
HYC6	Non-Perennial/Intermittent/Fluctuating
HYC8	Perennial/Permanent

WELL-REPRESENTATION Operational Status Code

The code that represents the operational state of the WELL-REPRESENTATION.

Data Type: Character-String **Length:** 4

Domain Valid Value	Domain Value Definition
EXS0	unknown
EXS28	operational
EXS6	abandoned/disused

WELL-REPRESENTATION Physical Condition Code

The code that represents the physical state of the WELL-REPRESENTATION.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	unknown
EXS5	under construction
EXS66	damaged
EXS7	destroyed

WELL-REPRESENTATION Surface Material Code **New**

The code indicating the surface material composition of the WELL-REPRESENTATION.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC30	Earthen
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC84	Rock/Rocky
SMC999	Other

WHARF

An open structure extending parallel to the shoreline so that vessels may tie up to one side.

WHARF Float Code

The code that represents a WHARF's attachment status.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
WFI1	Fixed
WFI2	Floating

WIND-POWER-PLANT

A power plant comprised of one or more ELECTRIC-WIND-MOTORs that exploit wind pressure to create electricity.

WIND-POWER-PLANT Wind Motor Quantity

The number of Wind Motors that make up a WIND-POWER-PLANT.

Data Type: Integer **Length:** 4 **Decimal Count:** 0

Min Value: 1 **Max Value:** 9999 **Unit of Measure:** Each

WINDMILL

A wind-driven system of vanes attached to a tower like structure (excluding wind-generated power plants).

WINDMILL-REPRESENTATION

A model of a WINDMILL.

WINDMILL-REPRESENTATION Existence Category Code

The state or condition of the feature.

Data Type: Character-String **Length:** 5

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS5	Under Construction
EXS6	Abandoned/Disused
EXS7	Destroyed

WINDMILL-REPRESENTATION Guyed Category Code

The code that indicates the presence of support wires.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
GUG0	Unknown
GUG1	Guyed
GUG2	Unguyed

WINDMILL-REPRESENTATION Highest Z-Value Dimension

Elevation above a given datum to the highest portion of the feature.

Data Type: Integer **Length:** 5 **Decimal Count:** 0
Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meters

WINDMILL-REPRESENTATION Orientation Angle

The angular distance measured from true north (0 deg) clockwise to the major axis of the feature. If the feature is square, the axis 0 through 89 deg shall be recorded. If the feature is circular, 360 deg shall be recorded.

Data Type: Integer **Length:** 3 **Decimal Count:** 0
Min Value: 0 **Max Value:** 360 **Unit of Measure:** Degrees

WINDMILL-REPRESENTATION Permanency Code

The code that indicates whether an object is temporary or permanent.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
PRM0	Unknown
PRM1	Permanent
PRM2	Temporary

WINDMILL-REPRESENTATION Structure Shape Category Code

The code that indicates the geometric form, appearance, or configuration of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SSC0	Unknown
SSC109	Obelisk
SSC15	Solid/filled
SSC18	Truss
SSC52	'A' Frame
SSC54	'I' Frame
SSC60	Mast
SSC65	Cylindrical with flat top
SSC66	Cylindrical with domed top
SSC71	Cylindrical/Peaked
SSC80	Rectangular
SSC83	Square
SSC999	Other

WINDMILL-REPRESENTATION Surface Material Category Code

The code that indicates the surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC117	Wood
SMC20	Composition
SMC62	Masonry (Brick/Stone)
SMC64	Metal
SMC72	Part Metal
SMC999	Other

WRECKING-YARD

An area or site engaged in the wrecking, dismantling, storage, or resale of discarded products. (See also AB000.)

WRECKING-YARD-REPRESENTATION

A model of a WRECKING-YARD.

WRECKING-YARD-REPRESENTATION Existence Category Code

The state or condition of the feature.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
EXS0	Unknown
EXS28	Operational
EXS6	Abandoned/Disused

WRECKING-YARD-REPRESENTATION Highest Z-Value Dimension **New**

The elevation above a given datum to the highest portion of the WRECKING-YARD-REPRESENTATION.

Data Type: Integer **Length:** 5 **Decimal Count:** 0

Min Value: -400 **Max Value:** 30000 **Unit of Measure:** Meter

WRECKING-YARD-REPRESENTATION Surface Material Category Code

Surface material composition excluding internal structural material.

Data Type: Character-String **Length:** 6

Domain Valid Value	Domain Value Definition
SMC0	Unknown
SMC64	Metal
SMC72	Part Metal
SMC999	Other

ZONE-OF-OCCUPATION-REPRESENTATION

A model of a zone of occupation.

ZONE-OF-OCCUPATION-REPRESENTATION Classification Name

A grammalogue, index number, order or classification number for a ZONE-OF-OCCUPATION-REPRESENTATION.

Data Type: Character-String **Length:** 80