



Know the Earth...Show the Way

NGA TODAY

**Lt Gen James R. Clapper, Jr., USAF (Ret.),
Director**

► What We'll Talk About...

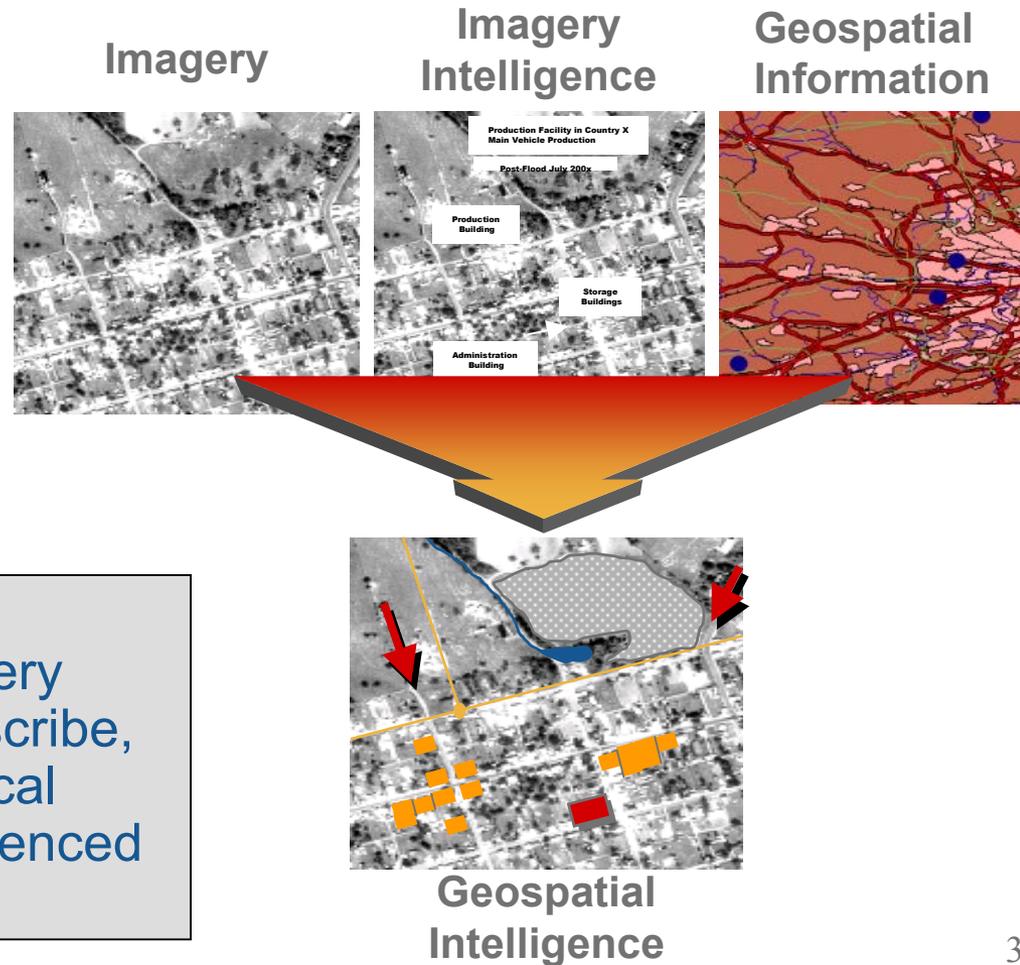
- ➔ • What is NGA and What Do We Do?
- What is Geospatial Intelligence and Why is it Important?
- How is NGA Transforming?
- Some “Take-Aways”



► *What is NGA and What Do We Do?*

NGA is a National Intelligence and Combat Support Agency

- Mission:
 - Provide Timely, Relevant, and Accurate Geospatial Intelligence in Support of National Security



Geospatial intelligence is “the exploitation and analysis of imagery and geospatial information to describe, assess, and visually depict physical features and geographically referenced activities on the Earth”

► *What is NGA and What Do We Do?*

Our vision...

Know the Earth...Show the Way

by...

...Providing geospatial intelligence in all its forms, and from whatever source -imagery and geospatial- to ensure the knowledge foundation for planning, decision, and action.



...Affording easy access to geospatial intelligence data, for all stakeholders.

...Creating tailored, customer-specific geospatial intelligence; providing analytic services and solutions; and sharing insight.

▶ *What is NGA and What Do We Do?*

Established as NIMA in 1996 to integrate imagery intelligence and mapping functions

- Incorporated Entirely:
 - Defense Mapping Agency
 - Central Imagery Office
 - Defense Dissemination Program Office
 - National Photographic Interpretation Center
- Incorporated Imagery Elements Of:
 - Defense Airborne Reconnaissance Office
 - National Reconnaissance Office
 - Defense Intelligence Agency
 - Central Intelligence Agency
- Name Changed on 24 Nov 03 to NGA

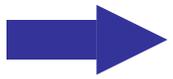
► *What is NGA and What Do We Do?*

Signing of the Defense Authorization Act (*the Pentagon, 24 Nov 03*)



► *What is NGA and What Do We Do?*

From NIMA to NGA...symbolizing transformation



► What We'll Talk About...

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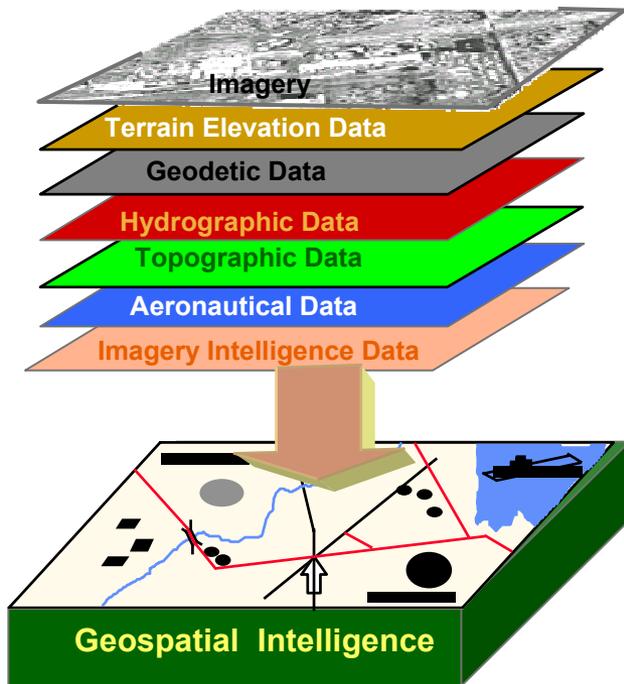
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What is Geospatial Intelligence and Why is it Important?

Information about any object - natural or man-made - that can be observed or referenced to the earth, and has national security implications

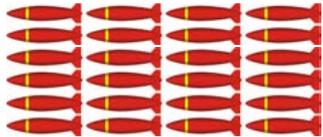


- Where am I?...
- Where are the Friendlies?
- Where are the Enemies?
- Where are the Non-Combatants?
- How do I move or navigate among them?
- What is the Environment?
- What does it mean?
- What is the impact?

► *What is Geospatial Intelligence and Why is it Important?*

Geospatial intelligence: A short picture history

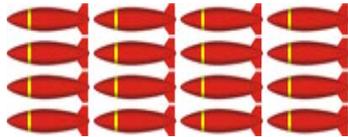
1943



1500 B-17 sorties
9000 x 250 lb. bombs
 One 60' x 100' target
 W.W. II



1970



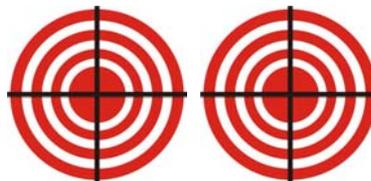
30 F-4 sorties
176 x 500 lb. bombs
 One Target
 Vietnam



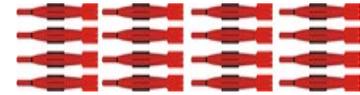
1991



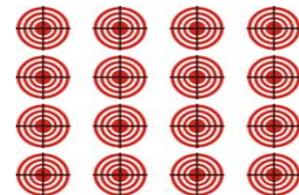
1 F-117 sortie
2 x 2000 lb. bombs
 Two Targets per Sortie
 Desert Storm



2004



1 B-2 sortie
16 x 2000 lb. bombs
 16 Targets per Pass
 Available Today



“We Map ‘Em, You Zap ‘Em”

What is Geospatial Intelligence and Why is it Important? The Changing Challenge....

Above Surface

Static



Moving

Denial and Deception



Traditional NTM Coverage



12 - 24 Hours



4 - 12 Hours



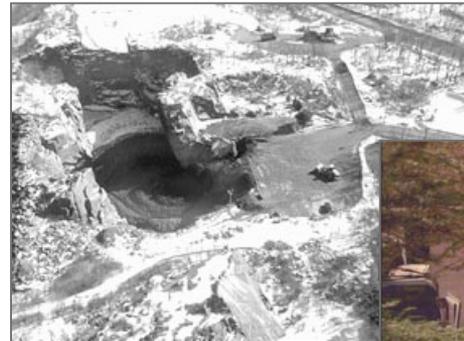
0 - 4 Hours



Below Surface



Characterized

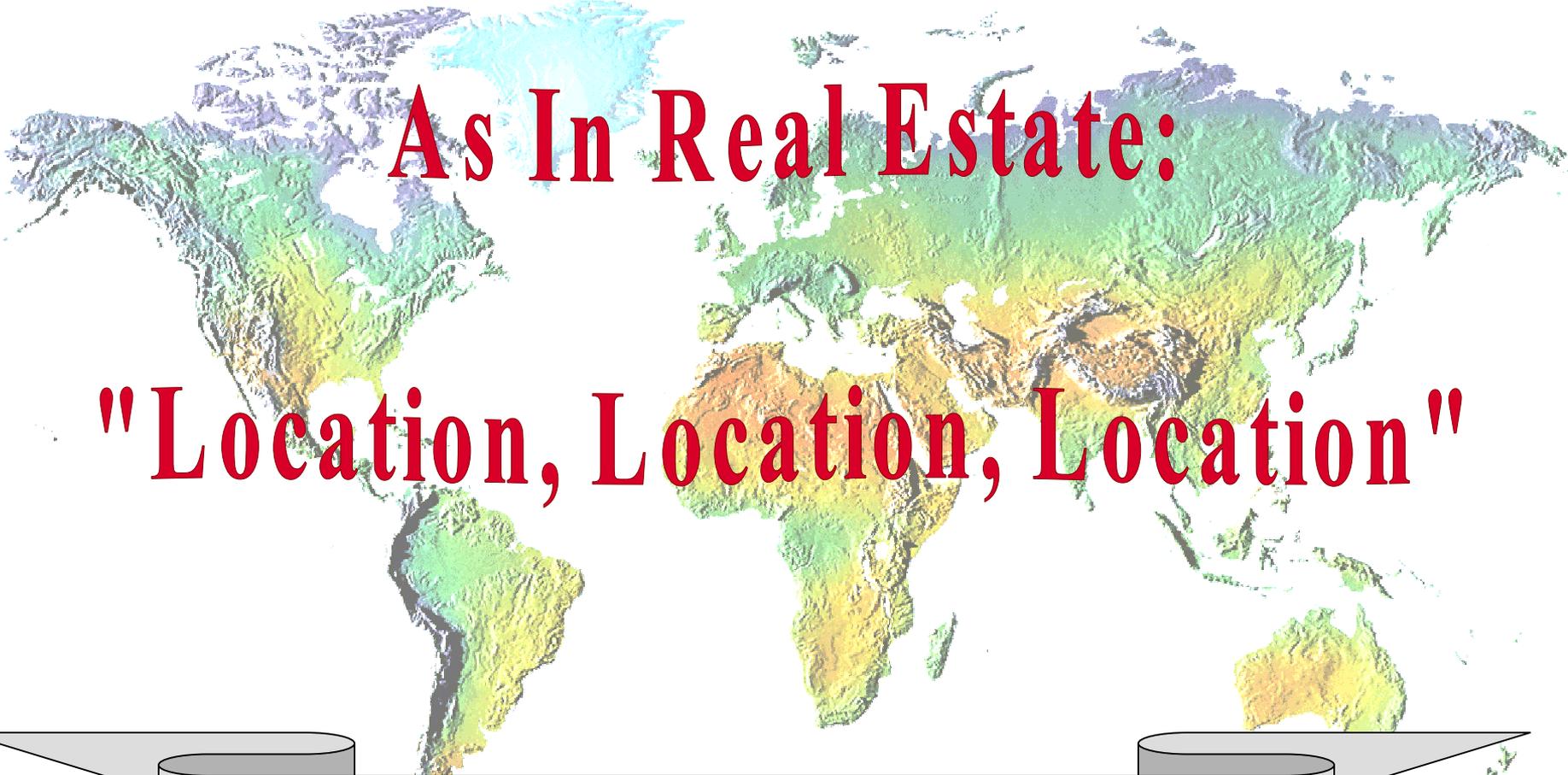


Uncharacterized



► *What is Geospatial Intelligence and Why is it Important?*

Everything and everybody must be someplace



As In Real Estate:

"Location, Location, Location"



"Without geospatial intelligence, you're lost!"

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- Some “Take-Aways”

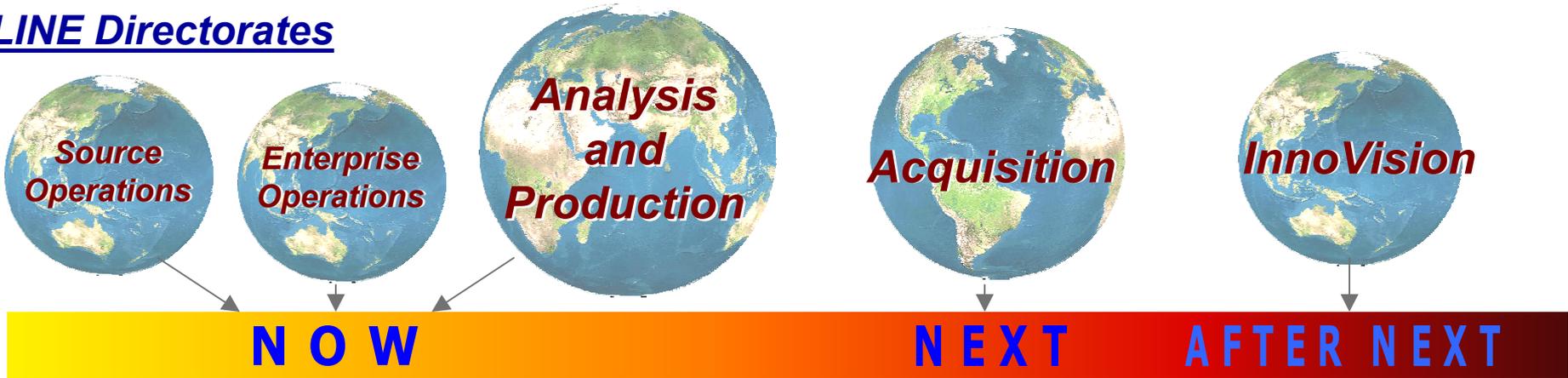
► *How is NGA Transforming?*

Our organizing principle - *Now, Next, After Next* - designed to foster transformation

STAFF Offices



LINE Directorates



ENABLER Organizations



► *How is NGA Transforming?*

Trends transforming NGA

YESTERDAY

TODAY AND TOMORROW

Maps and Pictures	→	Geospatial Intelligence
Mapping 2D and Text	→	Visualization and COP
NTM and EO	→	NTM, Commercial, Airborne, in all forms in the electromagnetic spectrum
Government only	→	Best Source
Reconnaissance	→	Surveillance
Deliberate Targeting	→	Real-time Targeting
Separate tactical and National intelligence	→	Interactive tactical and National intelligence
Limited Deployment	→	Robust forward deployment
Foreign Intelligence	→	Domestic Impact
Single INT	→	Multi-INT Fusion

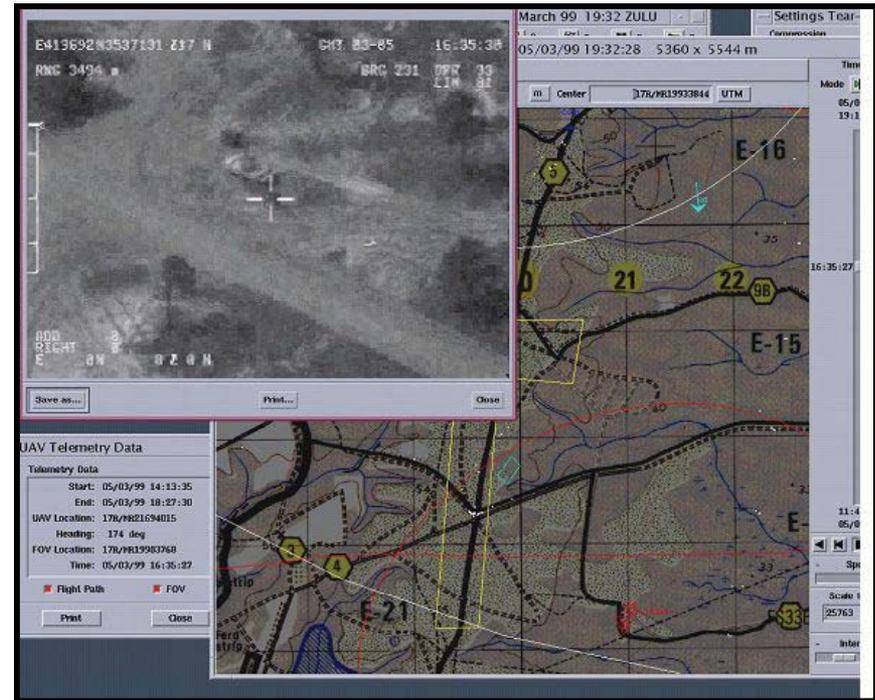
Post 9/11 forced acceleration

► *How is NGA Transforming?*

Transforming to a new discipline that is greater than the sum of its parts...

The Future State:

- Geospatial intelligence analysis
- All-digital, data-centric business environment
- Seamless, comprehensive e-business strategy
- Ubiquitous knowledge map



► This is what the vision ain't...



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► Some “Take-Aways”

1. All of NGA’s Core Competencies Comprise Geospatial Intelligence
2. Geospatial Intelligence Provides the Foundational “Knowledge Map”
3. NGA is both a Combat Support Agency, and a National Intelligence Agency
4. We Are Transforming
5. People are Our #1 Treasure

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY ▼



➤ *Know the Earth...Show the Way* ➤➤ ➤