

# *Army Intelligence 2020 and Beyond*



## ***Globally Engaged... Regionally Aligned... Enabling Decisive Operations***



- *Army Intelligence Corps Today – Mission/Imperatives*
- *What We Learned – Capabilities and Enterprise*
- *Army Intelligence 2020 and Beyond: What We Are Building*
- *Our Major Initiatives for FY13-15*
- *Our Objective at End State*





"I think [it's] very clear that... [our] main objective... is to preserve this magnificent land force that's been built over the last 10 years, and ensure we remain in the future what we are today: the greatest land power the world's ever seen."

- Hon. John McHugh

"Our Army is the Nation's Force of Decisive Action, A Relevant and Highly Effective Force for a Wide Range of Missions."  
- GEN Raymond Odierno, CSA



- America's Force of Decisive Action
- Globally Engaged, Regionally Responsive
- Capable of Rapidly Dominating any Operational Environment
- Interoperable with Joint/Multi-National/Interagency Partners

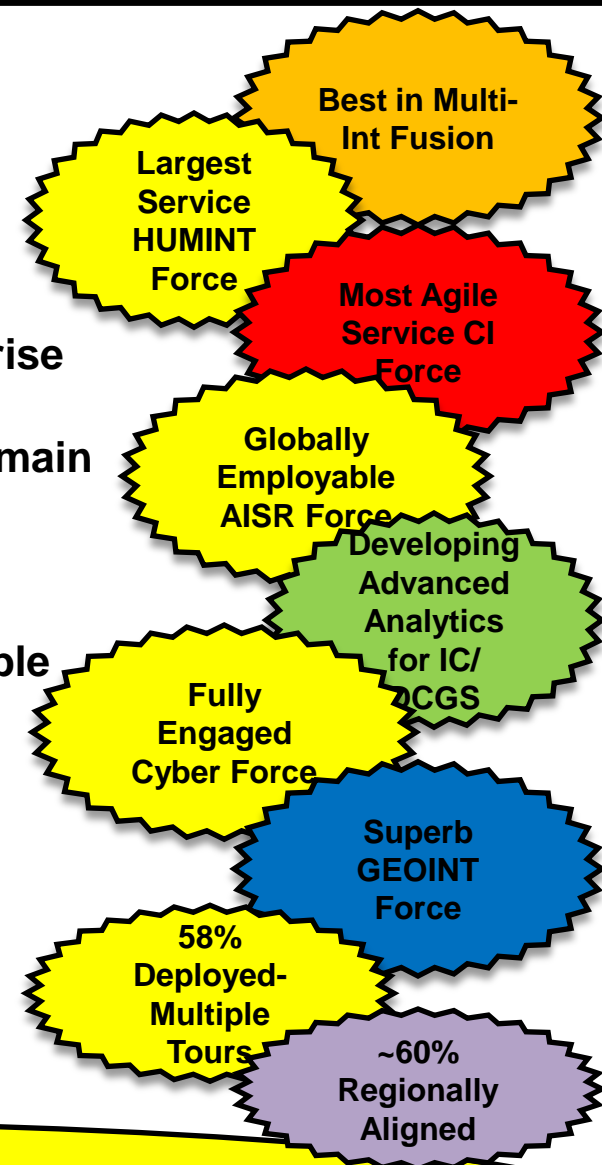


## Role of Army Intel Corps – 2012

- ✓ Provide the Best Trained, **Multi-Disciplined Intelligence Force** to Enable Decisive Action For the Nation's Current and Emerging Contingencies
- ✓ Build the MI Force of the Future with a **Versatile Mix of Capabilities** to Meet the Demands of a Robust, Ready, **Regionally Engaged** and **Responsive Army**
- ✓ Keep our Army Intelligence Force in the Fight – Provide the Resources and Direction to Ensure **No Cold Starts, No MI Soldier at Rest**
- ✓ Provide Solutions that Allow Our Soldiers on Point to Leverage the Technology, Expertise, and Intelligence in the Intelligence Enterprise



- **58,000 Strong** (30k AC / 18k RC / 10k DAC)
  - 4.5% of Army
- **Embedded in Every Echelon, Agency – Supported by a National-to-Tactical Enterprise**
- **Anchoring the COCOMs Read of Human Domain**
- **Regionally Aligned, Mission Focused**
- **Adaptable, Innovative, Scalable and Tailorable**
- **Experts From Space to Mud**
- **Leveraging the Intelligence Enterprise to Empower our Soldiers at the Forward Edge**



## Our Team of Teams



## Ends

- Wealth
- Resources
- Political authority
- Influence
- Sovereignty
- Identity
- Legitimacy

## Ways

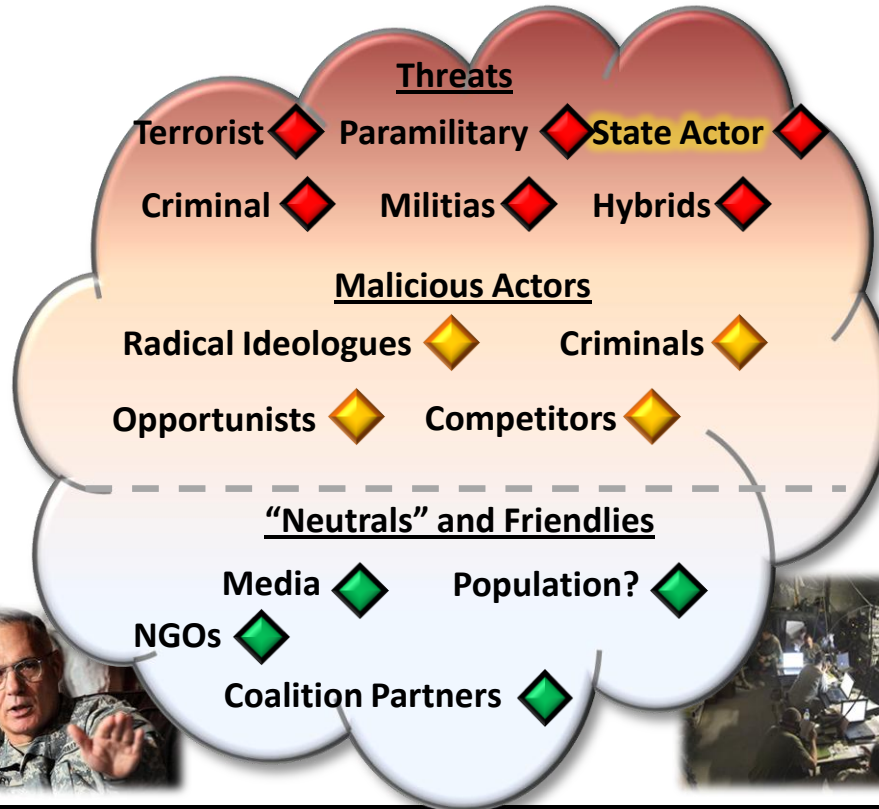
- Competition
- Cooperation
- Conflict

## Means

- Attack the “will”
- Complexity – Chaotic Conditions – Anti-access
- Asymmetry

## Essential Elements of the Complex Environment

- **Multitude of Independent Actors**
  - Threat, Malicious, and Neutral/Friendly Actors
- **Technology Enables Effective Action** – Violent and Nonviolent – and Rapid Adaptation
- **Lack of Effective Governance or Rule of Law**



## Characteristics

### Lethal

- Well Armed
- Technology Proliferates to Many
- Non-linear Relationship between Economic and Military Power

### Persistent

- Victory Ill Defined
- **Blurred Transitions**, e.g. Conflict to Post Conflict.
- Unexpected Friction

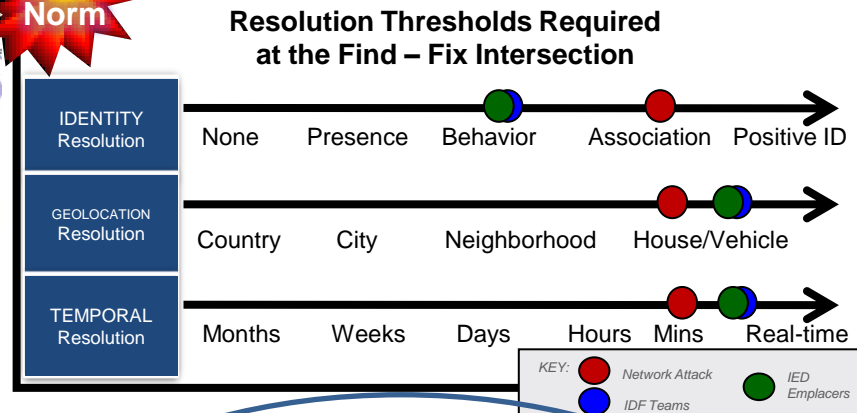
### Asymmetric

- Sidestep US Preferred “Way of War”
- Deny ISR & Strike Options
- Exploit Cyber
- Unforeseen Effects from Actions





## **Army Intel Must Adapt**



### Requires Investment in:

- FMV Sensors – Hi Resolution
- SIGINT (Geo-location)
- DOMEX
- HUMINT (Interrogation)
- HUMINT (Source Ops)
- Counter Intelligence (Insider Threat)
- Advanced SIGINT (Internals/CNO)
- Increased PED
- Advanced Analytics, Fusion
- Assured Connection to LandISRNet
- Language/Regional Immersion
- **No Cold Starts, No MI Soldier At Rest**
- Globally Engaged, Employable

**New Capabilities**

# Intel 2020 and Beyond

**New Structures**

## ***The Operational Environment Has Changed***

- ❑ ***Networked Versus Hierarchical Threats: The Norm***
  - ❑ ***Multitude of Actors, Networks***
- ❑ ***Hi-Res Tracking, Multi-INT Confirmation A Must***
  - ❑ ***Support Engagement at the Lowest Level***
  - ❑ ***Individual Identity Resolution, Discriminate Lethality***
  - ❑ ***Socio-Cultural Context A Must***
- ❑ ***National to Tactical Intelligence Support Required***
  - ❑ ***Access to IC Networks, Experts at All Levels A Must***
  - ❑ ***Premium on PED, Reach back – Critical Investment***
- ❑ ***Real-Time Intel/Ops Integration Essential to Enable Decentralized Operations at Team/Squad Level***

**Expand Regional, Global Depth -- Provide COCOMs Fidelity to Identify Individuals, Networks...**



**Expand Access, Extend Reach, Reduce Blinks, Expand Ops**

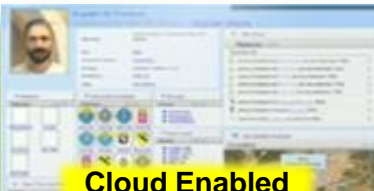
**Shared  
Situational Awareness**

**Intelligence 2020  
Land/ISRNet**

**Shared Purpose**

**1** DCGS-A

*Ubiquitous Access to Data*



**Cloud Enabled  
Ease of Use**



**Advanced Analytics**

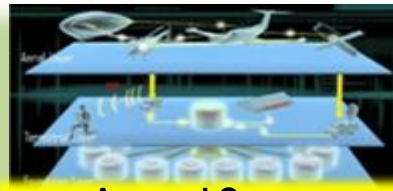


**Joint/IC Interoperable  
CPOF/MC Interoperable**

**2**

**RITE**

*Relevant Intelligence to the Edge*



**Assured Comms**



**Robust Processing Power**



**To the Edge**

**3**

**Integrated  
Sensors/Collectors**  
*Aerial, Terrestrial, Cyber*



**Optimized**



**Multi-Functional**



**Fully Integrated**

**4**

**Foundry/IROC**

*Fully Leveraging the Force*



**No Cold Starts**

**Home Station/ Reach**



**No MI Soldier At Rest**

**Theater/Army**



**Empowering Our Soldiers  
At the Forward Edge**

**5 Enhanced Force Structure**

*Theater – GCC/ASCC – SOF – JTF/Corps – Division – BCT – Battalion – Company – Squad  
- National to Tactical Enterprise -*



# ***Distributed Common Ground Station – Army (DCGS-A)***





**Joint Intelligence Operations Capability-Iraq/Afghanistan  
2005**

## DCGS-A to Afghanistan 2007

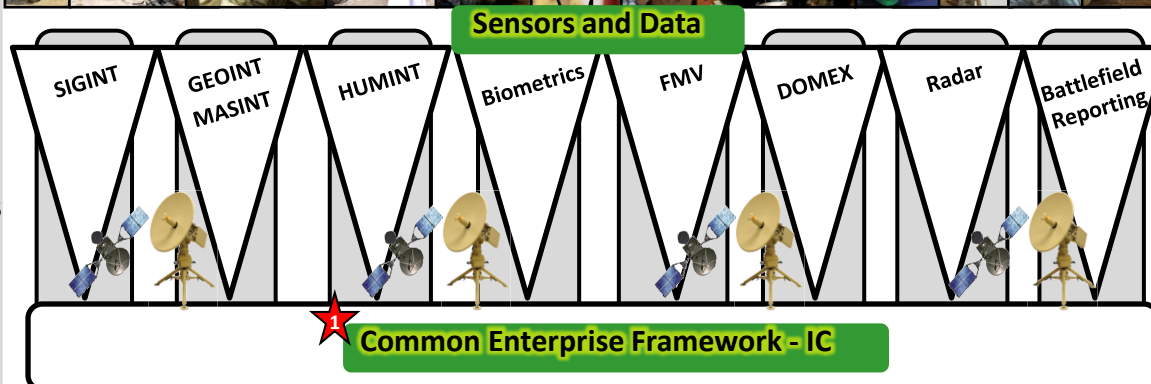
**DCGS-A Global Enterprise  
2010**

## DCGS-A to Intelligence Community Cloud

## Sensor Data

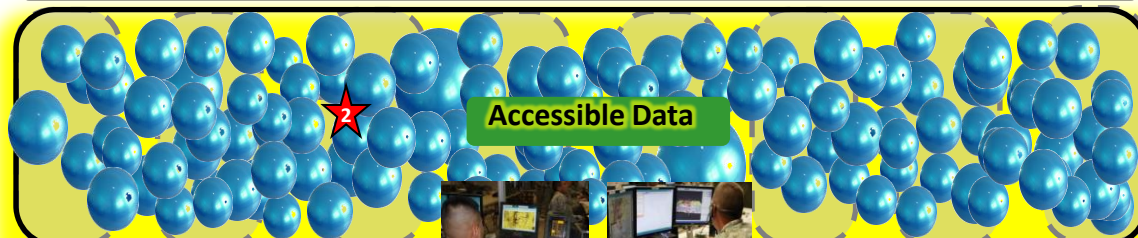


## Comms & Down Links

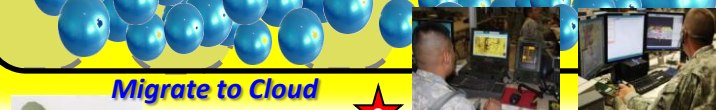


## Processing

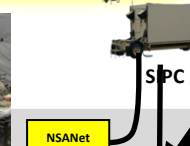
## Tagging Security



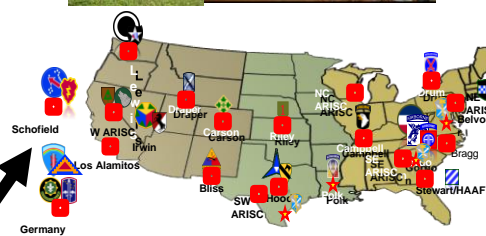
## Exploitation & Analysis Tools



**Tactical  
Operations  
Center  
(TOC)**



## Intelligence Reach



### Opportunities:

- ☐ Expand Access, Enable Reach
- ☐ Fusion
- ☐ Situational Understanding

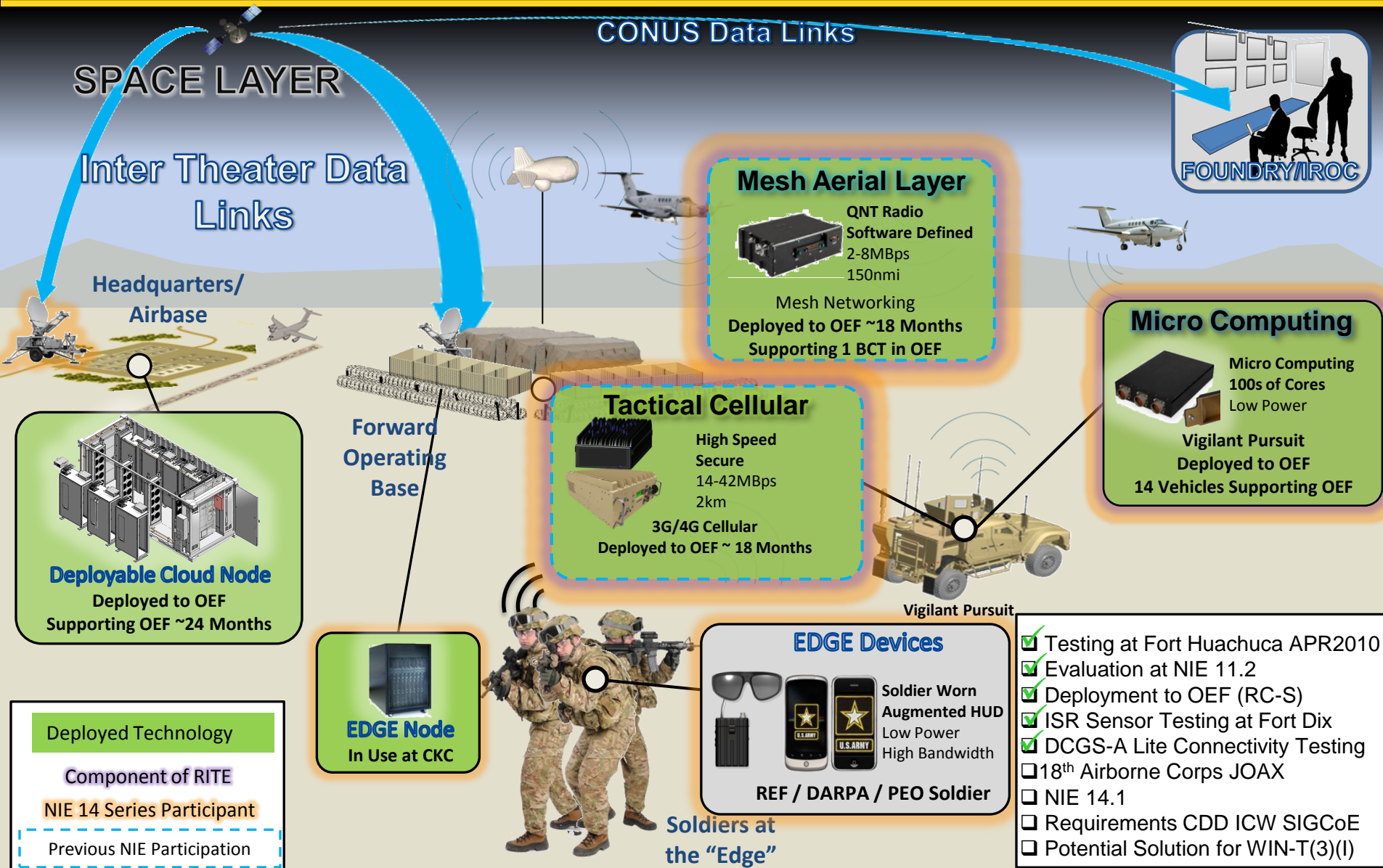
**Direct to Decision Maker for Target Execution and Immediate Tactical Awareness**

## Common Understanding and Fusion

	NSANet
	SIPRNe
	JWICS
	Coalition



***Relevant Intelligence to the Edge Initiative  
(RITE)  
ISR Communications & Processing Beyond the COP***







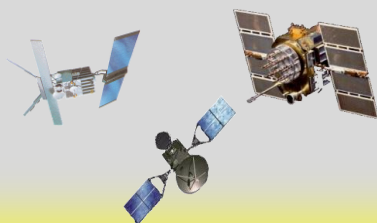
## ***Integrated Sensor Coverage Area (ISCA)***



## Four Layers

### Space

*Imagery, SIGINT,  
OPIR, Strategic Comms,  
GPS*



### **1** Aerial

*SIGINT, GMTI/DMTI,  
HIS, WAS, EO/IR, HD  
FMV, FOPEN, LIDAR*



Aerial ISR  
Strategy 2020

**Seamless Sensor Integration**

### **2** Terrestrial

*SIGINT, HUMINT,  
MASINT, ES2, RITE,  
Multi-Functional Tms,  
3G/4G Comms*



Vigilant Pursuit  
MFT Solution

### **3** Cyber

*Offensive Operations  
Defensive Operations  
Defend the Homeland*



780<sup>th</sup> Expansion

## DCGS-A / IC Cloud

**National to Tactical**

**Analyst**

**FOUNDRY / IROC**

**Foundational Layer**

**TACTICAL FORCE**

**Tailored ISR Sensor Packages for All Contingencies**



## ***Foundry / Intelligences Readiness Operations Capability (IROC)***





90,000  
Soldiers  
Trained

## Foundry

- Target Immersion
- Pre-Deployment QRC Systems Training
- Network Access DCGS-A, NSA-Net
- MTTs/LETs
- Theater/Intelligence Community Accreditations
- Intelligence MOS Technical Skills Sustainment/SME Access
- SMEs/Mentors
- SCIFs
- Secure Classrooms

## Foundry Requirements

- COCOM/ASCC Mission/Rqts
- Commander's Training Priorities
- Commander's Intelligence Focus
- Unit METL



**Unit MI Elements:** SIO, MSE G2, BDE S2, MICO, BN S2, COIST, ACE, AEB, JDIC, BfSB...

UGS JIDCs UAS MFTs  
DCGS Analysts Biometrics  
Source Ops GEOINT CoIST  
CI Interrogation Aerial ISR  
MICO DOMEX SIGINT

## Results

- Increased Intelligence Soldier Readiness
- Improved Collective Task/METL Proficiency
- Improved Support & Enhancement of Mission Command
- Increased Unit/Army Readiness

### Home Station



### MTT



### LET



### Collective Training



Gate

1

**Institutional**

*Foundational*

2a

**Home Station Training**

2b

**Foundry**

**Unit**

**Immersion/Credentialing**

*Tm/Collective  
SCI Access/LET*

*Technical/  
TGT Immersion*

3

**Culminating  
Training Event**

*Tm/Crew/Unit  
Operations*

4

**Overwatch**

**Allocated/Apportioned**

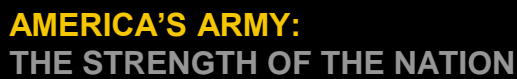
*Overwatch/Reachback*



**AMERICA'S ARMY:**  
THE STRENGTH OF THE NATION



## ***Force Structure Initiatives***



The collage illustrates global power balance and conflict. At the center is a world map divided into five major command regions, each with associated challenges:

- NORTHCOM** (North America): Arms Trafficking Influence Zone
- SOUTHCOM** (South America): No specific challenges listed.
- AFRICOM** (Africa): Sub-Saharan Africa Emerging Governance Crisis Zones
- EUROM** (Europe/Middle East): Europe Integration and Economic Challenges; Middle East Multiple Troubled Fracturing
- PACOM** (Asia/Pacific): Asia Pacific Emerging and Emerging Challenges; North Pacific Region Collapse; South Korea Tensions; China Taiwan Issues; South China Sea Tensions; Indonesia Rising Power

Surrounding the map are various images:

- Top Left: Soldiers in military uniforms.
- Top Center: A fighter jet in flight.
- Top Right: A woman in a headscarf holding a rifle, and a man with a blindfold.
- Bottom Left: A satellite dish and two soldiers.
- Bottom Right: A scene of conflict with fire and smoke, and a man in a headscarf talking to a child.

A central yellow circle and the Arabic text "لا إله إلا الله محمد رسول الله" (There is no god but Allah, Muhammad is the messenger of Allah) are also present.

- **COCOM/ASCCs' Force of Choice**
- **Providing Multi-Int Support to BCTs, Divs in the Fight...**
- **Anchoring Theaters' Read of the Human Domain**
- **Building Partnership Capacity**
- **Ensuring No Cold Starts...**
- **No MI Soldier at Rest...**

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DEFENSE INTELLIGENCE AGENCY  
 UNITED STATES OF AMERICA

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 Fort Meade

II  
 781  
 Fort Meade

II  
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- **Thickening the Army and DOD's Cyber, HUMINT Forces**
- **Reinforcing the Army's Boundaries Against the Insider Threat**

## A collage of images illustrating various military and defense technologies. The collage includes: a night vision device showing a green-tinted view; a long-range cruise missile; a military aircraft in flight; a soldier in camouflage gear; a radar system mounted on a vehicle; a tank; a helicopter; and a control room with multiple computer monitors displaying various data.

- **Integrating Advanced Technology Into the Force**
- **Introducing New Concepts, TTPs for Soldier Employment**
- **Advancing Solutions to Tomorrow's Problems**

## Enabling Decisive Operations While Transforming in the Breach



