



AMERICA'S ARMY:
THE STRENGTH OF THE NATION



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

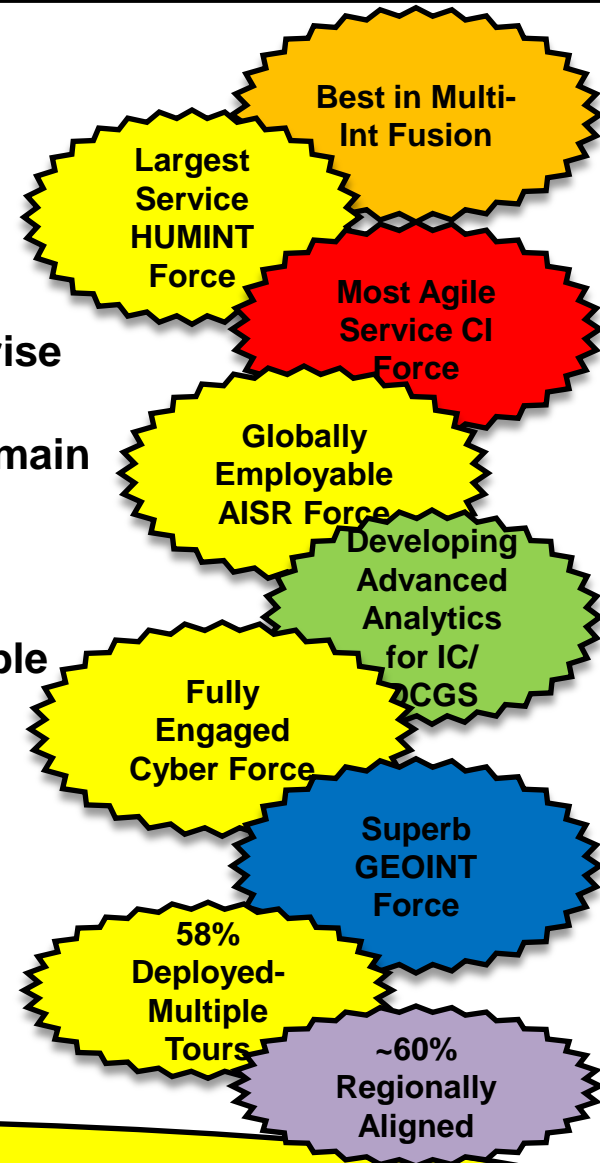


Role of Army Intel Corps – 2012

- ✓ 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



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

Ends

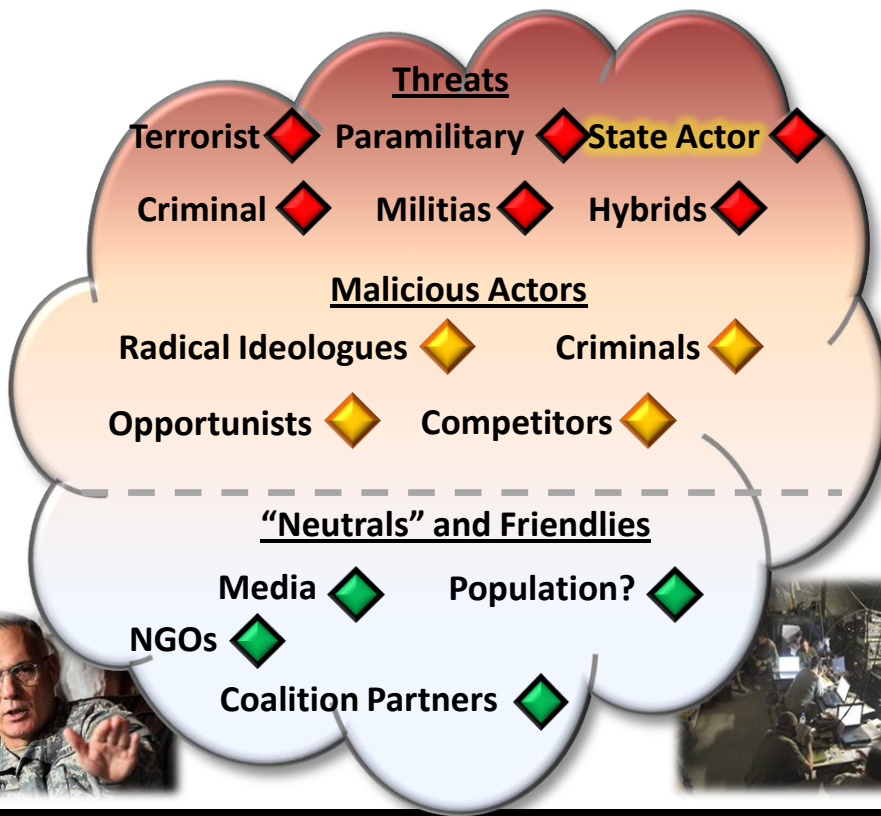
- Wealth
- Resources
- Political authority
- Influence
- Sovereignty
- Identity
- Legitimacy

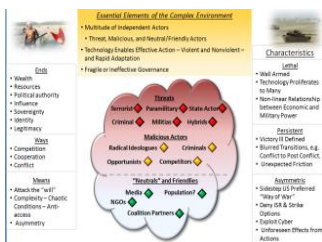
Ways

- Competition
- Cooperation
- Conflict

Means

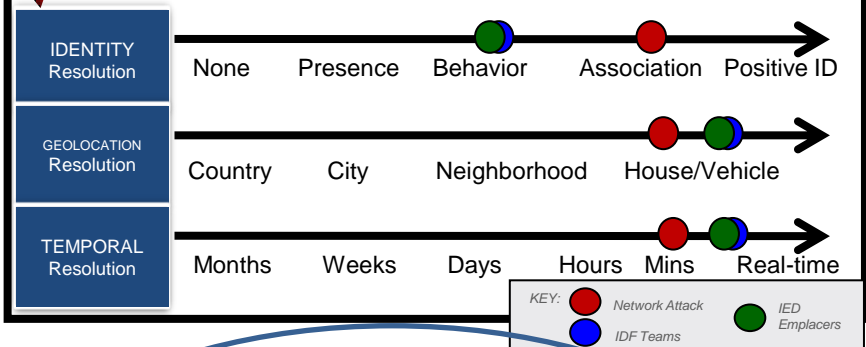
- Attack the “will”
- Complexity – Chaotic Conditions – Anti-access
- Asymmetry





Army Intel Must Adapt

Resolution Thresholds Required at the Find - Fix Intersection



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**

- 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





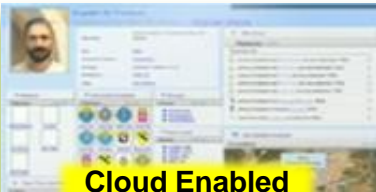
Expand Access, Extend Reach, Reduce Blinks, Expand Ops



Shared Situational Awareness

Shared Purpose

1 DCGS-A
Ubiquitous Access to Data



Cloud Enabled
Ease of Use

2 RITE
Relevant Intelligence to the Edge



Assured Comms

3 Integrated Sensors/Collectors
Aerial, Terrestrial, Cyber



Optimized

4 Foundry/IROC
Fully Leveraging the Force



No Cold Starts



Advanced Analytics



Robust Processing Power



Multi-Functional



No MI Soldier At Rest



Joint/IC Interoperable
CPOF/MC Interoperable



To the Edge



Fully Integrated

5 Enhanced Force Structure



Empowering Our Soldiers
At the Forward Edge

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



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Distributed Common Ground Station – Army (DCGS-A)



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



CONUS Data Links

SPACE LAYER

Inter Theater Data Links



Headquarters/
Airbase

Forward
Operating
Base

Mesh Aerial Layer

QNT Radio
Software Defined
2-8MBps
150nmi

Mesh Networking
Deployed to OEF ~18 Months
Supporting 1 BCT in OEF

Micro Computing

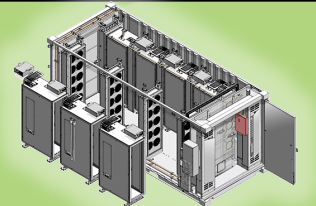
Micro Computing
100s of Cores
Low Power

Vigilant Pursuit
Deployed to OEF
14 Vehicles Supporting OEF

Tactical Cellular

High Speed
Secure
14-42MBps
2km

3G/4G Cellular
Deployed to OEF ~ 18 Months



Deployable Cloud Node

Deployed to OEF
Supporting OEF ~24 Months



EDGE Node

In Use at CKC

EDGE Devices



Soldier Worn
Augmented HUD
Low Power
High Bandwidth

REF / DARPA / PEO Soldier

Soldiers at
the "Edge"

Deployed Technology

Component of RITE

NIE 14 Series Participant

Previous NIE Participation

- Testing at Fort Huachuca APR2010
- Evaluation at NIE 11.2
- Deployment to OEF (RC-S)
- ISR Sensor Testing at Fort Dix
- DCGS-A Lite Connectivity Testing
- 18th Airborne Corps JOAX
- NIE 14.1
- Requirements CDD ICW SIGCoE
- Potential Solution for WIN-T(3)(I)



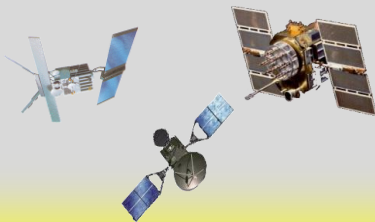
Integrated Sensor Coverage Area (ISCA)



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

Cyber

3 *Offensive Operations
Defensive Operations
Defend the Homeland*



780th Expansion

DCGS-A / IC Cloud

National to Tactical

Analyst

1 *FOUNDRY / IROC*

Foundational Layer

TACTICAL FORCE

Tailored ISR Sensor Packages for All Contingencies



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Foundry / Intelligences Readiness Operations Capability (IROC)



90,000
Soldiers
Trained

Foundry

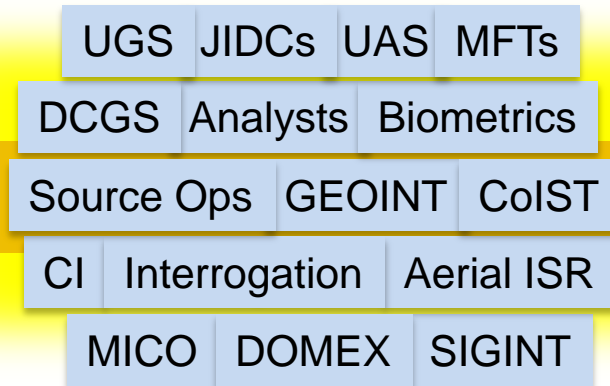
- Target Immersion
- Pre-Deployment QRC Systems Training
- Network Access DCGS-A, NSA-Net
- MTTs/LETs
- Theater/Intelligence Community Accreditations
- Intelligence MOS Technical Skills Sustainment/SME Access
- SMEs/Mentors
- SCIFs
- Secure Classrooms

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...



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

2a Home Station Training

2b Foundry

Unit

Immersion/Credentialing

3 Culminating Training Event

Overwatch

4 Allocated/AppORTioned

Foundational

*Tm/Collective
SCI Access/LET*

*Technical/
TGT Immersion*

*Tm/Crew/Unit
Operations*

Overwatch/Reachback



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Force Structure Initiatives

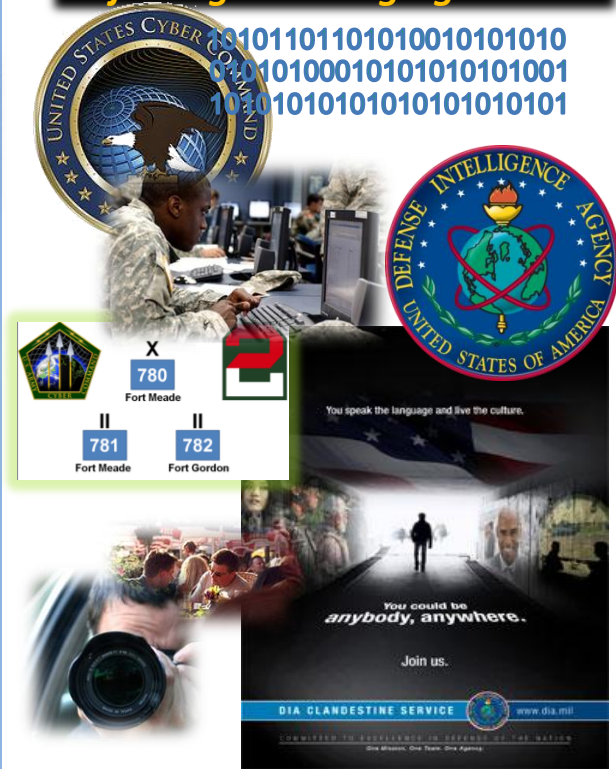


Globally Engaged



- 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...

Adjusting to Emerging Threats



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

Integrating New Tech/TTPs



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



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Questions



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