



AMERICA'S ARMY:
THE STRENGTH OF THE NATION



Army Intelligence Update



Presented to:
Industry – AUSA Conference
23 October 2012

Enabling Decisive Operations While Transforming in the Breach

UNCLASSIFIED



**To Provide Members of Industry an Overview of Army
Intelligence 2020 and Discuss the Army's Intelligence Corps'
Current and Emerging Requirements**

Army Intelligence 2020 is a Integral Part of Army 2020



- America's Force of Decisive Action
- Globally Engaged, Regionally Responsive
- Capable of Rapidly Dominating any Operational Environment
- Interoperable with Joint/Multi-National/Interagency Partners
- Prevent: Credibility Through Readiness, Capacity, Modernization
- Shape: Agility Through Strong Relationships With Other Armies
- Win: Strength Through Application of Combined Arms Capabilities to Dominate / Win

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



Role of Army MI Corps – 2012

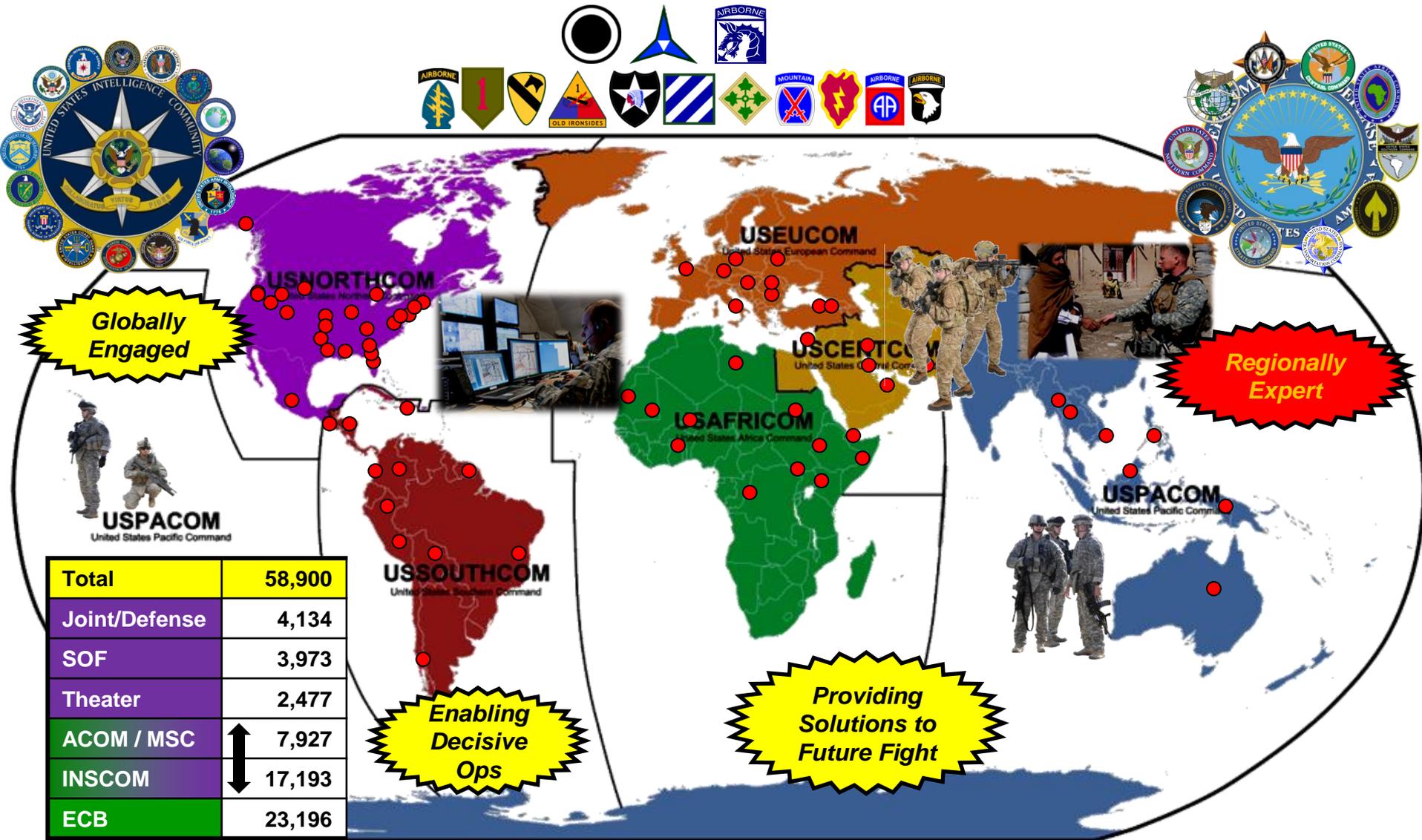
- ✓ Provide the Best Trained, Multi-Disciplined Intelligence Force to Enable Decisive Action For the Nation's Current and Emerging Contingencies
- ✓ Build the MI Force of the Future with a Versatile Mix of Capabilities to Meet the Demands of a Robust, Ready, Regionally Engaged and Responsive Army
- ✓ Keep our Army Intelligence Force in the Fight – Provide the Resources and Direction to Ensure **No Cold Starts, No MI Soldier at Rest**
- ✓ Provide Advanced ISR Solutions for Current and Future Operational Environments



- **58,000 Strong (30k AC / 18k RC / 10k DAC)**
 - 4.5% of Army
- **Embedded in Every Echelon, Agency – Supported by a Single 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





- Provide the Agile, Ready, Regionally Expert Intelligence Force that Anticipate and Respond to Emerging COCOM/ASCC Requirements and That Anchor the COCOM's Read of their Operational Environment
- Man, Train, Equip and Modernize the Army Intel Force to Empower the Soldier and the Squad with ISR Capabilities Required to Support Decisive Action at the Lowest Levels
- Invest in and Incorporate the Best Multi-Int Capabilities, TTPs and Constructs from Theater to Squad to Best Support the Army - Select QRC for Migration to PORs Based on Greatest Relevance and Most Decisive Advantage
- Provide the Resources/Programs to Ensure MI Corps Remains Fully Engaged Supporting Regional/Global Missions – *No Cold Starts, No MI Soldier At Rest*
- Position the Army to Fully Leverages the Intelligence, Technology, Expertise and Resources of the Greater IC to Support Army Requirements



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

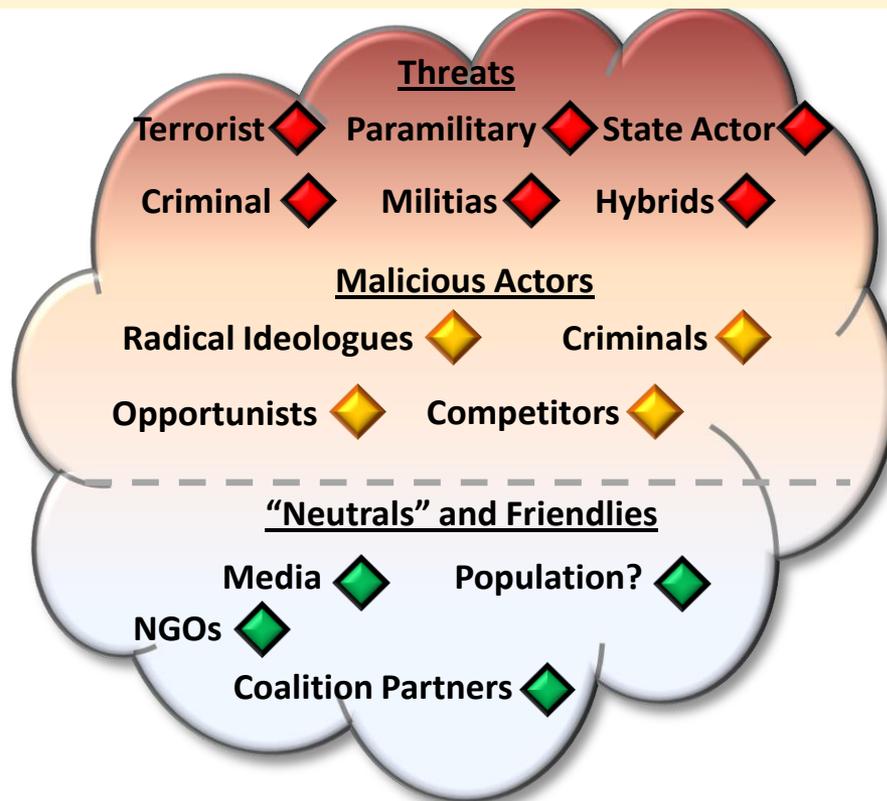
- Wealth
- Resources
- Political authority
- Influence
- Sovereignty
- Identity
- Legitimacy

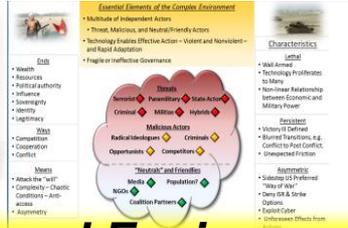
Ways

- Competition
- Cooperation
- Conflict

Means

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



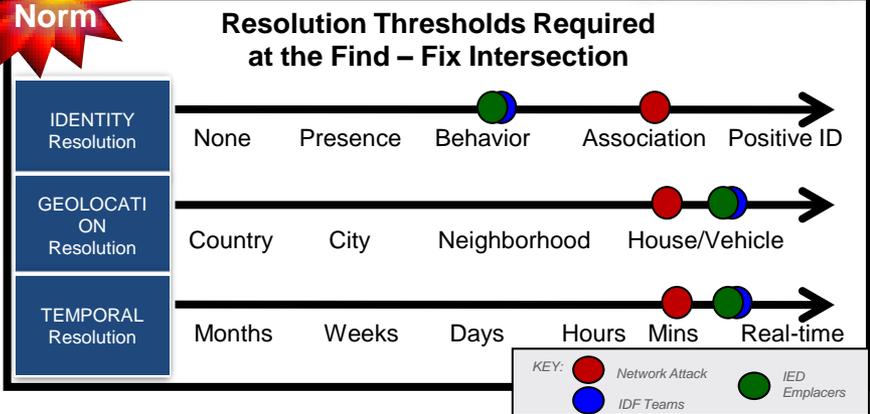


The Operational Environment Has Changed

- Networked Versus Hierarchical Threats Are The Norm**
 - Multitude of Actors, Networks*
- Hi-Res Tracking, Multi-INT Confirmation A Must**
 - Support Engagement at the Lowest Level
 - Individual Identity Resolution, Discriminant Lethality
- A Multi-Sensor, Multi-Discipline Challenge --**
"No Killer App..."
- National to Tactical Intelligence Support Required**
 - Access to IC Networks, Experts at All Levels A Must
 - Premium on PED, Reach back
- Real-Time Intel/Ops Integration Essential to Enable Decentralized Operations at BCT/Bn/Co/Squad**



...Intel Must Adapt



Must Invest in:

- FMV Sensors – Hi Resolution
- SIGINT (Geo-location)
- DOMEX
- HUMINT (Interrogation)
- HUMINT (Source Ops)
- Advanced SIGINT (Internals/CNO)
- Increased PED
- Advanced Analytics, Fusion
- Assured Connection to LandISRNet
- Language/Regional Immersion
- ARFORGENable, Always in the Fight
- Globally Engaged, Employable





Expand Access, Extend Reach, Reduce Blinks, Expand Ops



Shared Situational Awareness

Shared Purpose

1 DCGS-A

Ubiquitous Access to Data

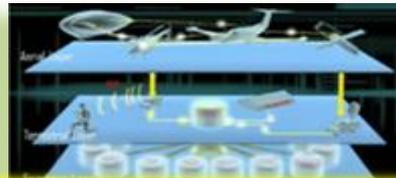


Cloud Enabled

2

RITE

Relevant Intelligence to the Edge



Assured Comms

3

Integrated Sensors/Collectors

Aerial, Terrestrial, Cyber



Optimized

4

Foundry/IROC

Fully Leveraging the Force



Home Station/ Reach



Advanced Analytics



Robust Processing Power



Multi-Functional



Theater/Army



Joint/IC Interoperable



To the Edge



Fully Integrated

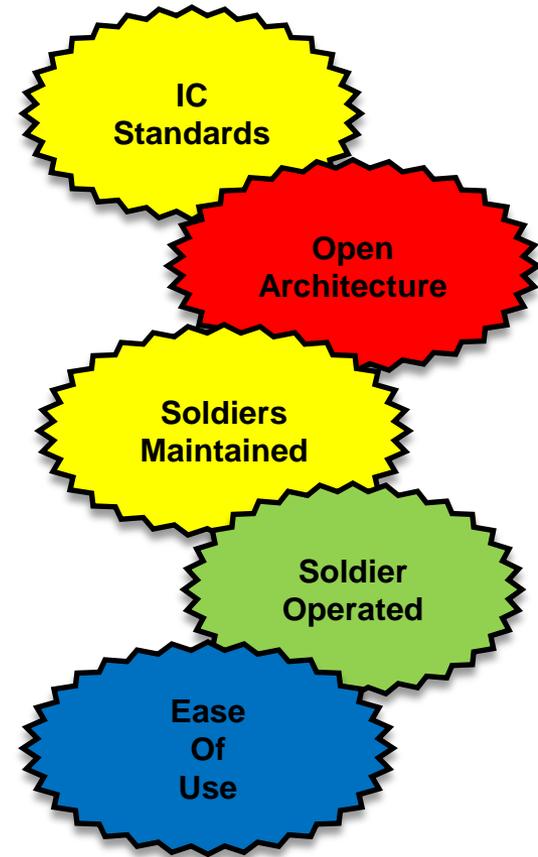


Empowering Our Soldiers At the Forward Edge

Theater – GCC/ASCC – SOF – JTF/Corps – Division – BCT – Battalion – Company – Squad

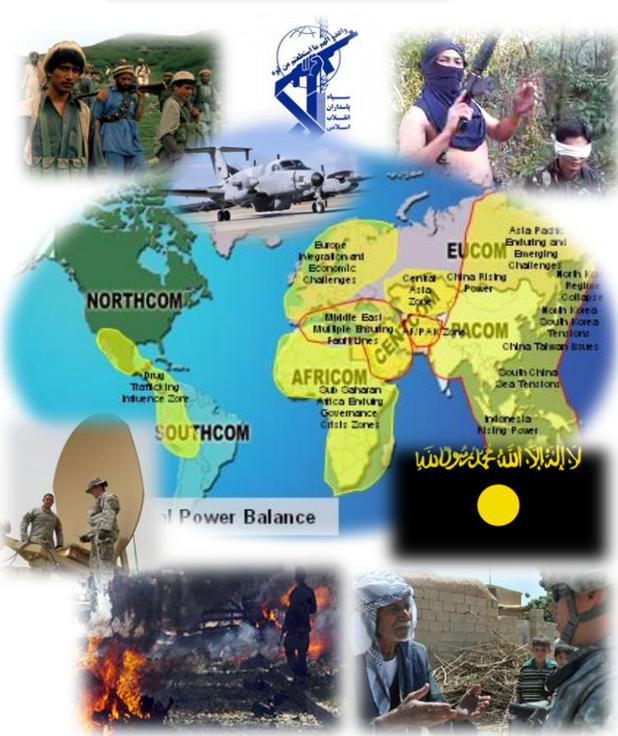


- ❑ **DCGS-A Ease of Use / IC Cloud Convergence**
- ❑ **Relevant Intelligence to The Edge (RITE)**
 - Assumed Comms ... Soldiers on Point
- ❑ **Integrated Sensors – Multi-Int, IC Compatible**
 - Aerial, Ground, Cyber, Space
- ❑ **Leveraging the Force**
 - Extending the Theater Architectures to Homestation
- ❑ **Insider Threat and Security Resilience**
 - Fortifying the Boundaries



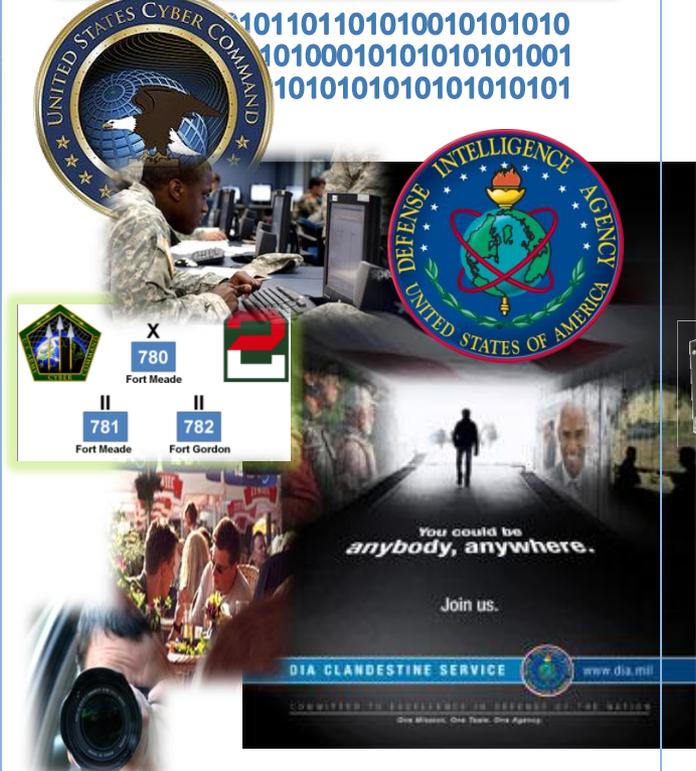


Globally Engaged



- **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



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



Intel Operations in Complex Environments



Systems Must Be Capable Of Hi-res Tracking And Multi-Int Confirmation

- * Advanced Sensing Capabilities (HSI, LIDAR, Smaller Swap, Etc...)
- * High Bandwidth Communications (3G/4G, LASER)



Systems Must Leverage Multiple Sensor Inputs

- * New Sensor Phenomenology, SIGINT, DOMEX, HUMINT
- * Pre-processing, Advanced Analytics, Improved User Experience



Systems Must Illuminate Unfamiliar Environments

- * Language And Regional Immersion Provides Capacity And Insight – Assisted By Advanced Analytics And The Cloud
- * Open Source And Cultural Knowledge Data Sources



Must Adapt An "Enterprise" Approach, There Are No Single System Solutions

- * Standards Based Cloud Computing
- * IC Convergence, Advanced Analytics, Simplified User Experience



National To Tactical Integration Across The Enterprise

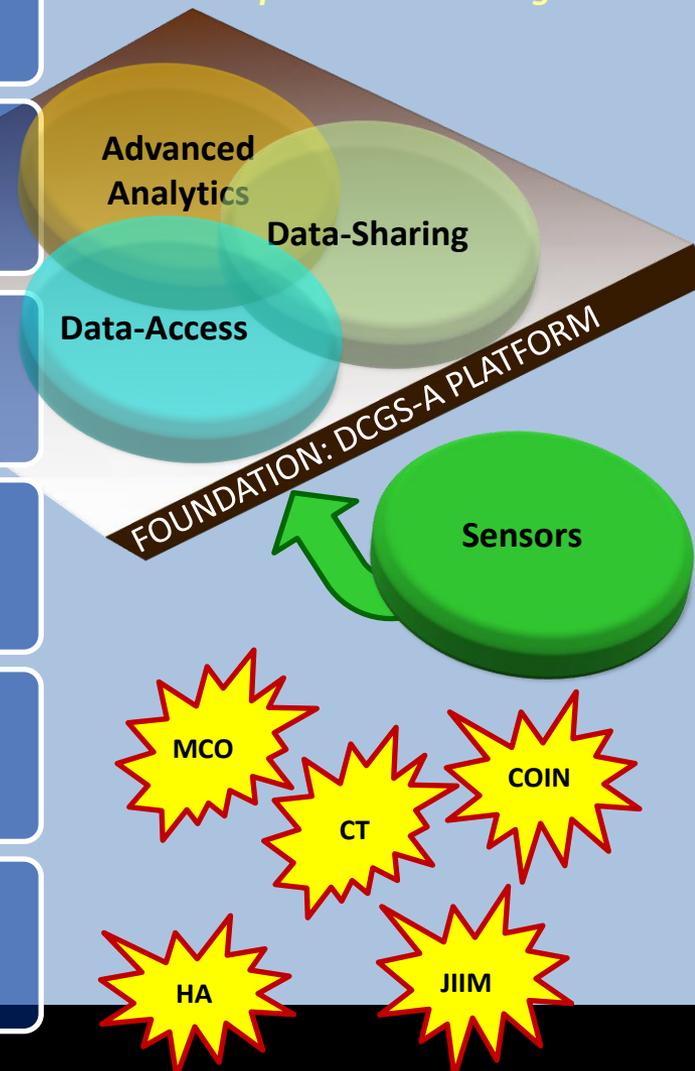
- * Premium On PED, Reach-back, And FWD Capabilities
- * Enable Decentralized OPS At BCT/BN/CO Levels



Collaboration With Ad-hoc Mission Partners Is Essential

- * Tailored Data Sharing Protocols
- * Open Architectures

Overlapping Systems Will Support Foreseeable Operational Contingencies



= Requirements = Investments



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Questions?



Enabling Decisive Operations While Transforming in the Breach

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1

**Ease Of Use:
OP Pilot**

Recognize And Correct #1 Gap In POR- Focus On Needs Of Users; Supports Continuous Development And Enhancements To Cloud ('Built By The User For The User') And 'Hunte' Software Release

Interface Developed By Users For Users; Closes The Gap

Introduce And Deploy Capability, To Select Units (513th, 525, USASOC, 18th And III Corps, 82nd, 4th ID, 1st CAV, IN/CA NG, 3x ARISC)
Follow-on User Evaluations Planned DEC 2012-JAN 2013

2

DCGS-A Lite

Assess The Ability For A Bandwidth Constrained User To Leverage The Power Of DCGS-A

Prototype A Capability To Provide Bandwidth Constrained Users With Significant Capability

Deliver The Capability To USASOC And 3rd SF Group To Pilot The Capability And Provide The POR With Feedback

3

Cloud Migration

Align To The Intelligence Community To Deliver Capabilities

Deliver Capability Leveraging The IC Investments And Capabilities By Implementation Of The Red Disk Gold Disk Concept

Align The Red And Gold Disk To Ensure That As The IC Frameworks Mature The POR Implements As Required.

4

Mentoring

Surge 61 Mentors Across The Force

Invigorate The POR With A Positive Initial Impressions; Dynamic Support

Identify Lead Mentor; Build And Certify Team, Deploy Per ZA Guidance Aggressive Training And Management

5

DCGS-A And CPOF Collaboration

Intelligence Products And Analysts Require A More Rich Collaboration With The Staff Leveraging CPOF

Deliver A Product That Provide A More Robust Interoperability Than The Current ABCS Architecture

Conduct Multiple Tems And Refine The Definition Of The End State Of This Collaboration (COE And OPS/INTEL Convergence Will Inform This Task)

6

FDD

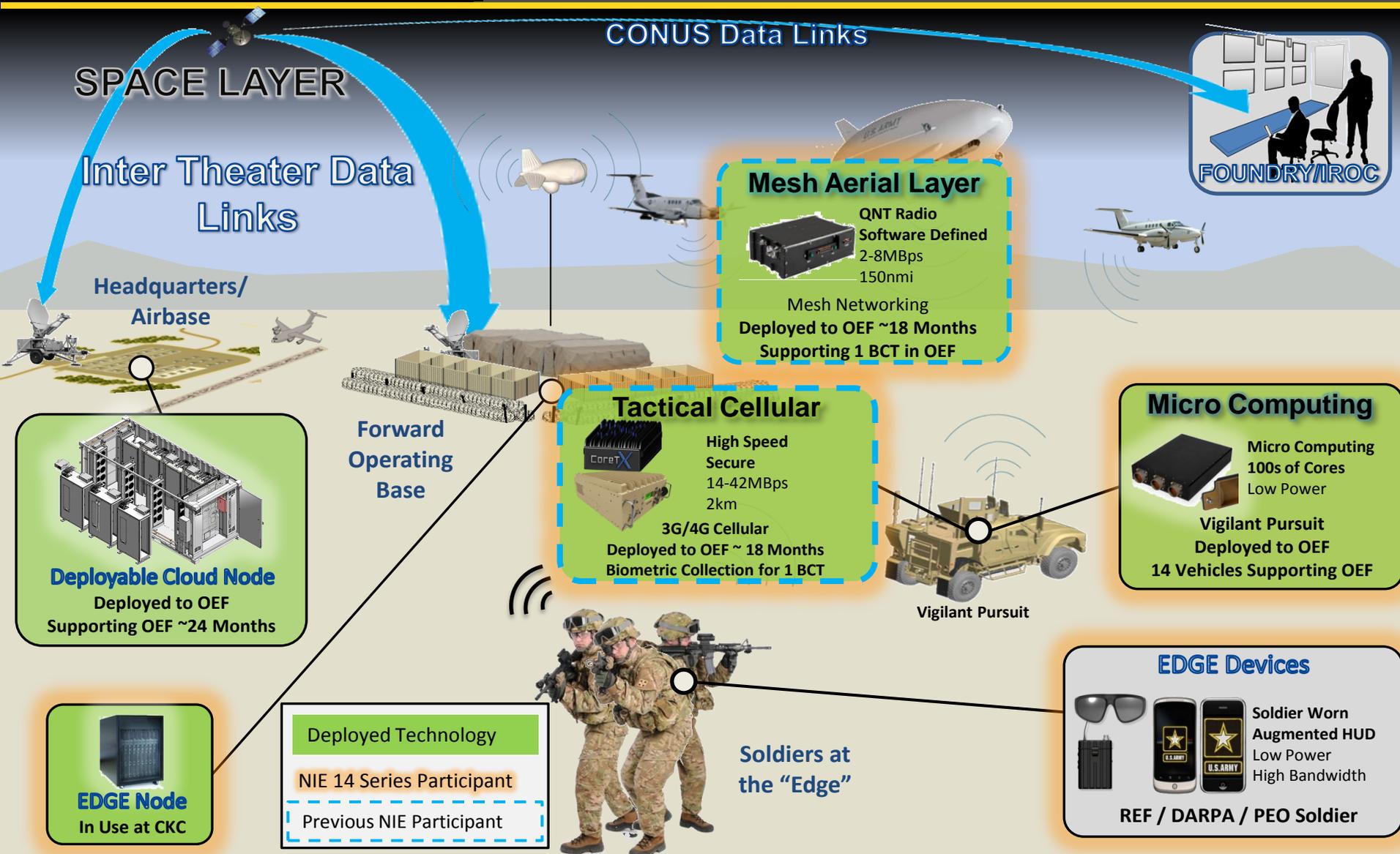
Dec 2012 Decision (On Track): 'Worldwide' Fielding Of The DCGS-A Release 1 And Uninterrupted Program Of Record Execution

Achieve Worldwide Fielding Of The Significant Release Of Intelligence Processing Capability To The Force

OSD OIPT – November 7th And Army ASARC November 29th



What is Relevant ISR to The Edge?

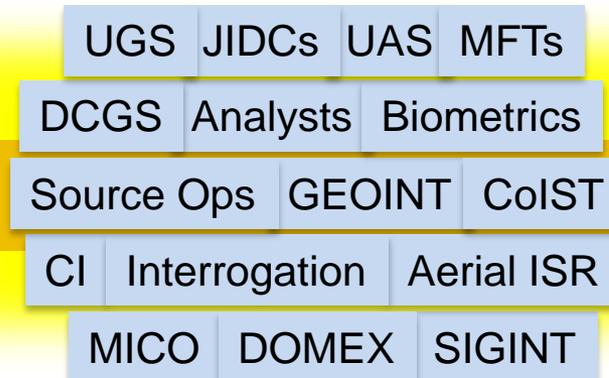




Unit MI Elements: SIO, MSE G2, BDE S2, MICO, BN S2, COIST, ACE, AEB, JDIC, BfSB...

Foundry Requirements

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



Results

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

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

Home Station



MTT



LET



Collective Training



Gate



Foundational

Tm/Collective
SCI Access/LET

Technical/
TGT Immersion

Tm/Crew/Unit
Operations

Overwatch/Reachback