



Net-Centric ISR Intel Information Sharing

Kevin Meiners
**Office of the Undersecretary of Defense
for Intelligence**

PEO / SYSCOM CONFERENCE

Nov 16, 2004

Agenda



OSD Perspective

- Net-Centric Policy & Governance
- DCGS



DCIO Perspective

- DoD Net-Centric Data Strategy



PM's Perspective

Panel Purpose and Introductions

- **Net-Centricity: Intelligence and Information Sharing**
 - **EO 13356**: Strengthening the Sharing of Terrorism Information to Protect Americans
 - Establishes a **Need-to-Share** Terrorist Information
- **USD(I) Strategy for integrating ISR systems**
 - Presenter: Kevin Meiners
- **DCIO Strategy Implementing the Net-Centric Data Strategy**
 - Presenter: Mike Krieger
- **A PM's Perspective on Portfolio Management and Net-Centricity**
 - Presenter: Col Vince Snyder, ESC/SRG

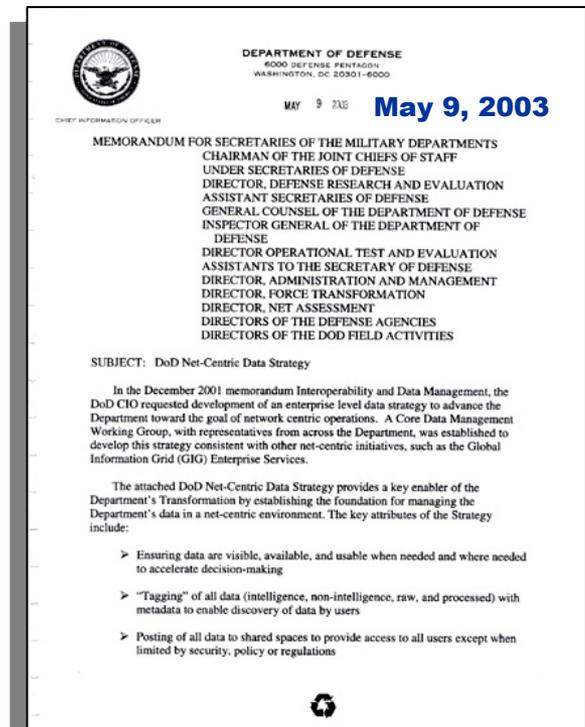
Agenda

- **Net-Centric Policy and Governance**
- Distributed Common Ground Systems

DoD Net-Centric DATA Strategy

- Signed out May 9, 2003
- Key Attributes
 - Ensuring Data Are Visible, Available, and Usable
 - “Tagging” of all Data with Metadata to Enable Discovery
 - Posting of Data to Shared Spaces to Provide Access
- Google Search: “DoD Data Strategy”

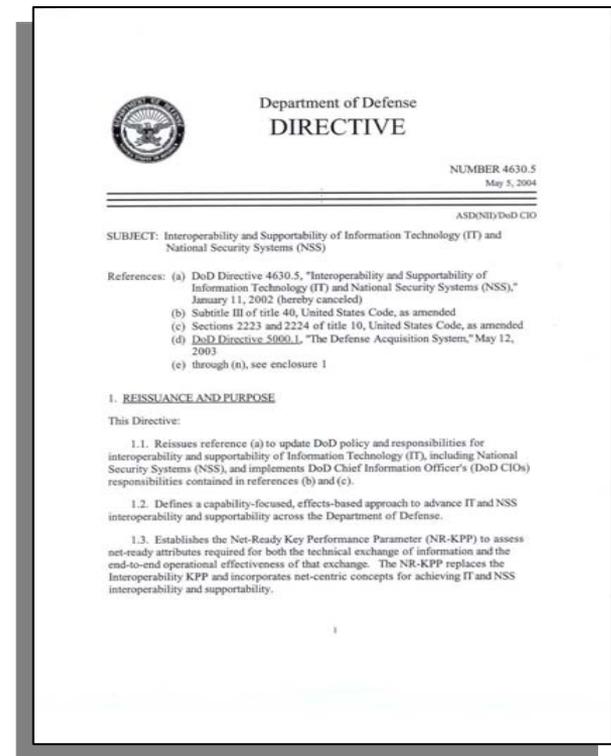
“DoD Data Strategy”



Joint Staff NR-KPP Guide

- Drives Incorporation of Net-Ready-KPP
- Details the NR-KPP in lieu of the interoperability KPP
- Interoperability & Supportability of IT/NSS
- Other NR-KPP Guidance Documents
 - DoDI 4630.8
 - JROCM 236-03
 - CJCSI 3170.01D
 - CJCSI 6212.01C

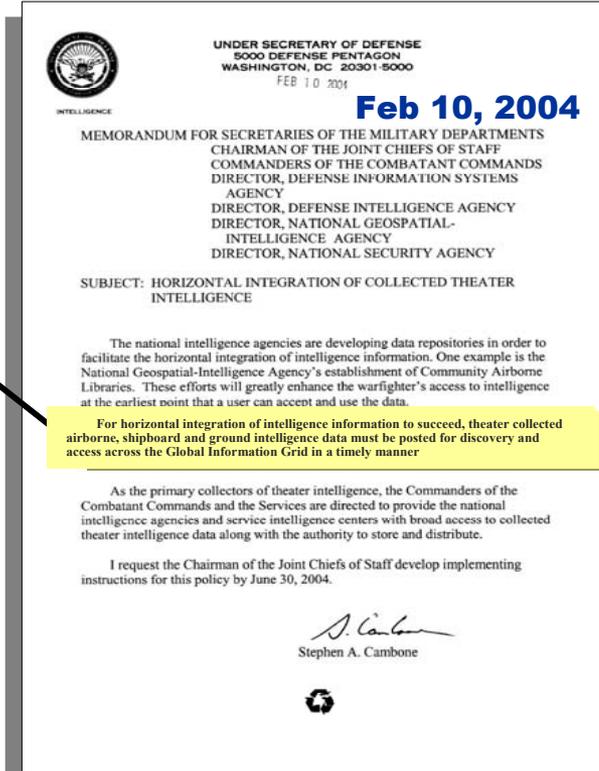
“DoDD 4630.5”



Horizontal Integration

- USD(I) Policy - Feb 10, 2004
- “For horizontal integration of intelligence information to succeed, theater collected airborne, shipboard and ground intelligence data must be posted for discovery and access across the Global Information Grid in a timely manner”
- Joint Staff Implementation Instructions to be published by 30 Jun 04

“Horizontal Integration of Collected Theater Intel”



 UNDER SECRETARY OF DEFENSE
5000 DEFENSE PENTAGON
WASHINGTON, DC 20301-5000
FEB 10 2004

Feb 10, 2004

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
COMMANDERS OF THE COMBATANT COMMANDS
DIRECTOR, DEFENSE INFORMATION SYSTEMS
AGENCY
DIRECTOR, DEFENSE INTELLIGENCE AGENCY
DIRECTOR, NATIONAL GEOSPATIAL-
INTELLIGENCE AGENCY
DIRECTOR, NATIONAL SECURITY AGENCY

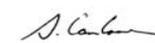
SUBJECT: HORIZONTAL INTEGRATION OF COLLECTED THEATER
INTELLIGENCE

The national intelligence agencies are developing data repositories in order to facilitate the horizontal integration of intelligence information. One example is the National Geospatial-Intelligence Agency's establishment of Community Airborne Libraries. These efforts will greatly enhance the warfighter's access to intelligence at the earliest point that a user can accept and use the data.

For horizontal integration of intelligence information to succeed, theater collected airborne, shipboard and ground intelligence data must be posted for discovery and access across the Global Information Grid in a timely manner

As the primary collectors of theater intelligence, the Commanders of the Combatant Commands and the Services are directed to provide the national intelligence agencies and service intelligence centers with broad access to collected theater intelligence data along with the authority to store and distribute.

I request the Chairman of the Joint Chiefs of Staff develop implementing instructions for this policy by June 30, 2004.


Stephen A. Cambone



Access – Access – Access

DEPSECDEF - IT Portfolio MGMT

- Portfolio Management Vice Individual Program Management
- Three Mission Areas
 - Business
 - Warfighting
 - Enterprise Info Environment
- Domains are Designated with in Mission Areas
- Communities of Interests (COIs) are Formed within a Domain

“IT Portfolio Mgmt”

 DEPUTY SECRETARY OF DEFENSE
1010 DEFENSE PENTAGON
WASHINGTON, DC 20301-1010

Mar 22, 2004 MAR 22 2004

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
ASSISTANT SECRETARIES OF DEFENSE
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
DIRECTOR, OPERATIONAL TEST AND EVALUATION
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE
ASSISTANTS TO THE SECRETARY OF DEFENSE
DIRECTOR, ADMINISTRATION AND MANAGEMENT
DIRECTOR, PROGRAM ANALYSIS AND EVALUATION
DIRECTOR, NET ASSESSMENT
DIRECTOR, FORCE TRANSFORMATION
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Information Technology Portfolio Management

Attachment establishes DoD policies and assigns responsibilities for managing information technology (IT) investments as portfolios. Decisions on what IT investments to make, modify or terminate shall be based on architecture, risk tolerance levels, potential returns, outcome goals and performance. While the guidance specifically addresses IT portfolios and a process for making tradeoffs among IT projects, the IT portfolio is part of the Department's broader portfolio of investments. In this larger context, tradeoffs will have to be made between IT and non-IT investments in other agency processes.

This guidance applies to the six Joint Warfighting Capability Assessment areas (i.e., Battlespace Awareness, Command and Control, Force Application, Protection, Focused Logistics, and Net Centricity), the six Business Domains (i.e., Accounting and Finance, Acquisition, Human Resources Management, Installations and Environment, Logistics, and Strategic Planning and Budgeting), and the underlying Enterprise Information Environment. Improved and timely IT investment policies are a cornerstone to enable change throughout the Department, assure that we have the right IT capabilities to perform our mission and conduct effective information operations, eliminate outdated ways of doing business, and achieve our net-centricity goals. While the attached policy is effective immediately, to ensure that this policy is institutionalized, I ask that the DoD Chief Information Officer, in coordination with the Director, Administration and Management, incorporate it into the DoD Directive System within 180 days.

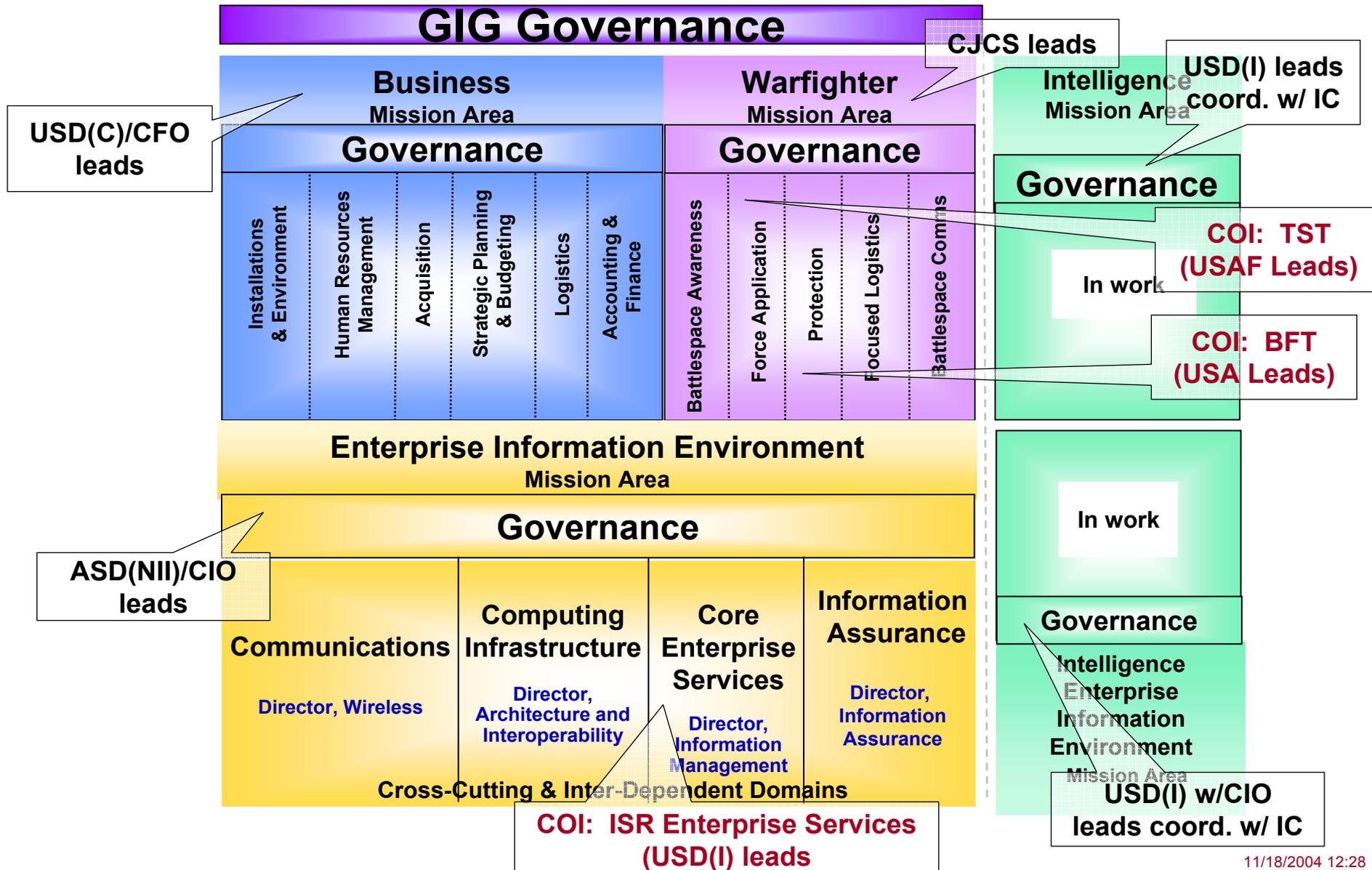
Paul Wolfowitz

Attachment:
As stated

 OSD 03246-04

Intelligence – Emerging as 4th MA

DoD Portfolios and Related National Intelligence Portfolios

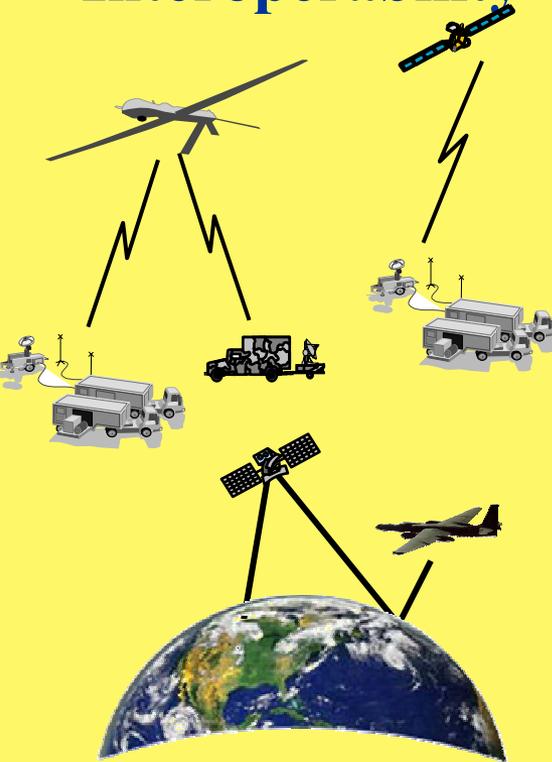


Agenda

- Net-Centric Policy and Governance
- **Distributed Common Ground Systems**

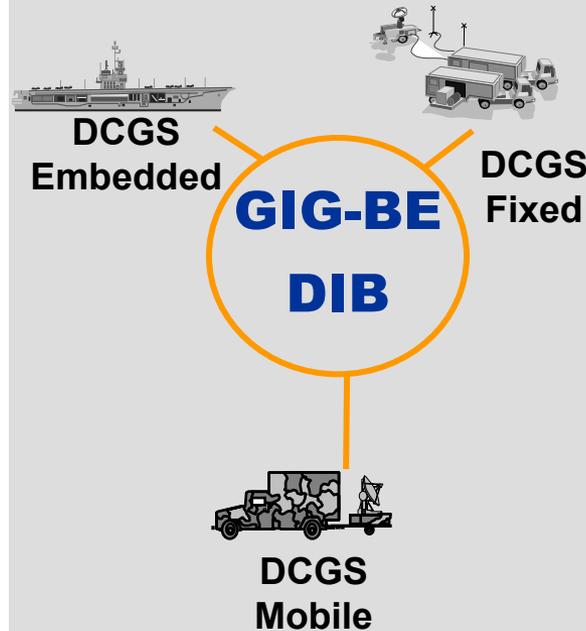
Distributed Common Ground/Surface Systems (DCGS)

DCGS Today "Interoperability"



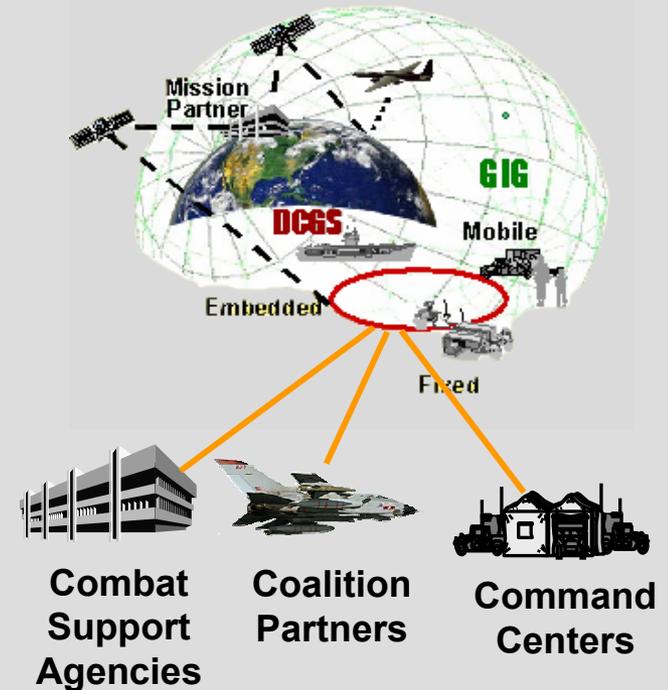
"AS IS"
2000-04

DoD-DCGS "Net-Centric"



Transition
2004-06

ISR "Enterprise"



"TO BE"
2006-11

Service DCGS Elements

DCGS – A

- Common Ground Station (CGS)
- Integrated Processing Facility (IPF)
- Guardrail Information Node (GRIFN)
- All Source Analysis System (ASAS)
- Counter intelligence/Human Intelligence Information Management Systems (CHIMS)
- Home Station Operations Center (HSOC)
- Tactical Exploitation Systems (TES)

DCGS – MC

- Common Ground Station (CGS)
- Intelligence Analysis System (IAS)
- Technical Control and Analysis Center (TCAC)
- Tactical Exploitation Group (TEG)

DCGS - N

- Battle Group Passive Horizon Extension System (BGHPHES)
- Combat Direction Finding Systems (CDF)
- Global Command and Control System-Maritime/Integrated intelligence Information (GCCS-M/I3)
- Joint Service Imagery Processing Systems – Naval (JSIPS-N)
- Ships Signal Exploitation Equipment (SSEE)
- UAV Tactical Control System (UAV TCS)
- JSIPS Concentrator Architecture (JCA)
- Tactical Exploitation Systems – Naval (TES-N)

DCGS - AF

- Deployable Ground Intercept Facility (DGIF)
- Deployable Shelterized Systems (DSS)
- Deployable Transit-Cased Systems (DTS)
- Ground Control Processor (GCP)
- Main Operating Locations
 - DGS-1 Beale AFB, CA
 - DGS-2 Langley AFB, VA
 - DGS-3 KCOIC Osan Korea
 - DGS-4 Ramstein AB, GE
 - Plus 17 remote locations
- ISR Management/C2 of ISR
 - ISRM, ISRW, Remote CSP
- MOBSTR/Extended Tether Program (ETP)
- Wide-Area, Campus-Area, Local-Area Networks/Comms

Service DCGS Elements



TES- MAIN



CHIMS (HUMINT)



IAS



TEG



TES- FWD

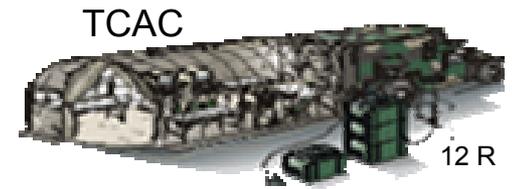


CGS

ASAS



CGS



TCAC

12 R



GRIFN



DCGS-A

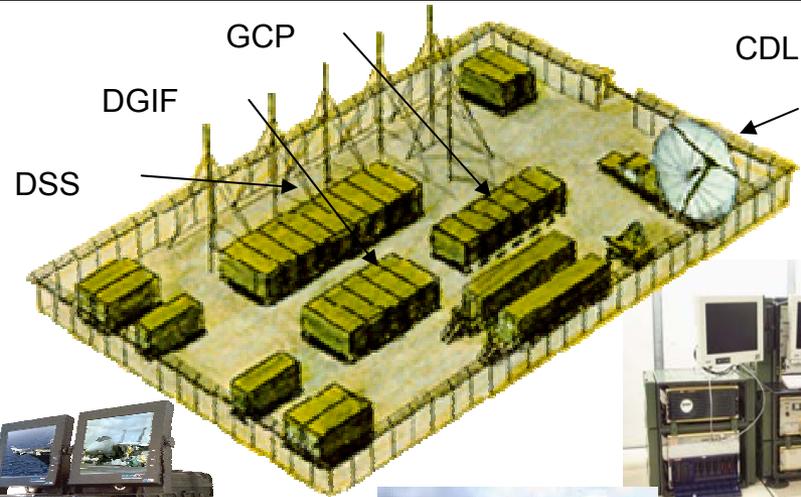
DCGS-MC



TES-N



SSEE



JSIPS-N



BGPHERS



MIBS



ISRM



DTS



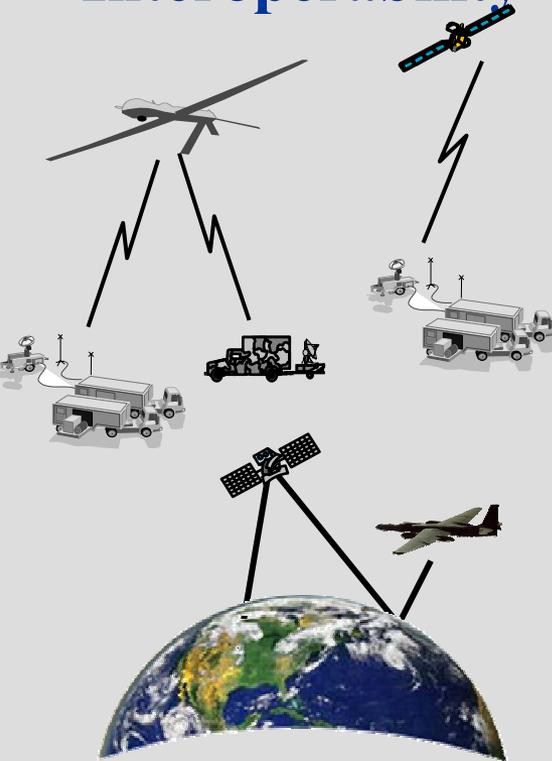
MOBSTR

DCGS-N

DCGS-AF

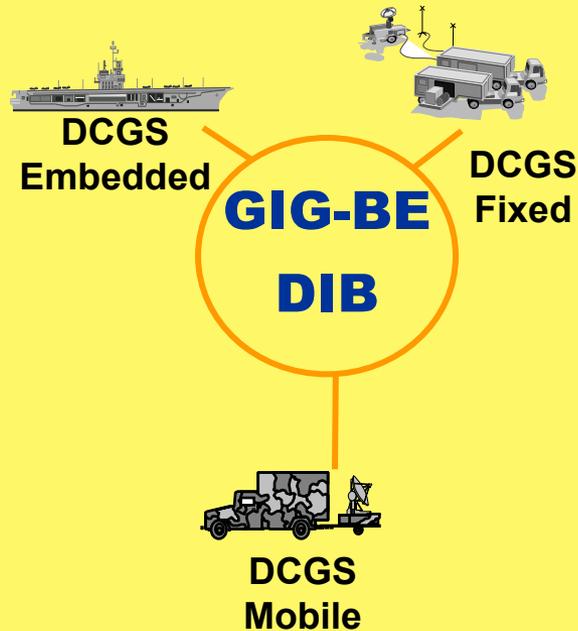
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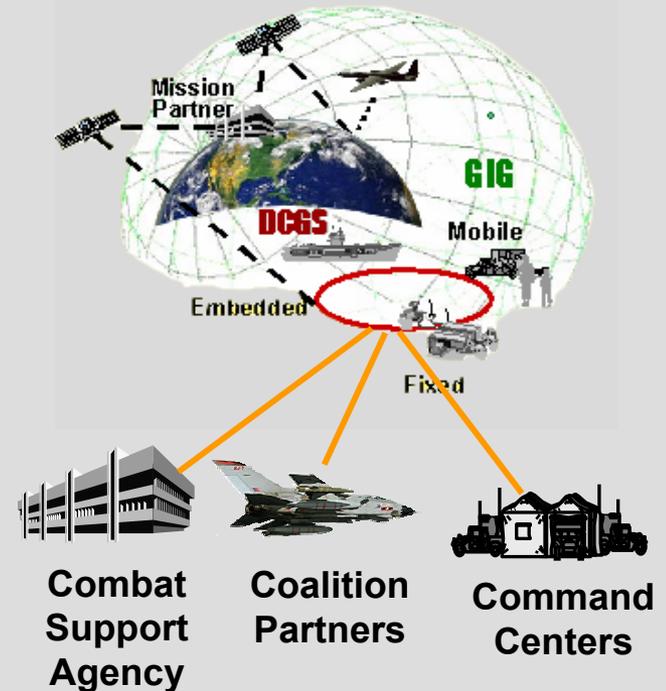
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DoD-DCGS “Net-Centric”



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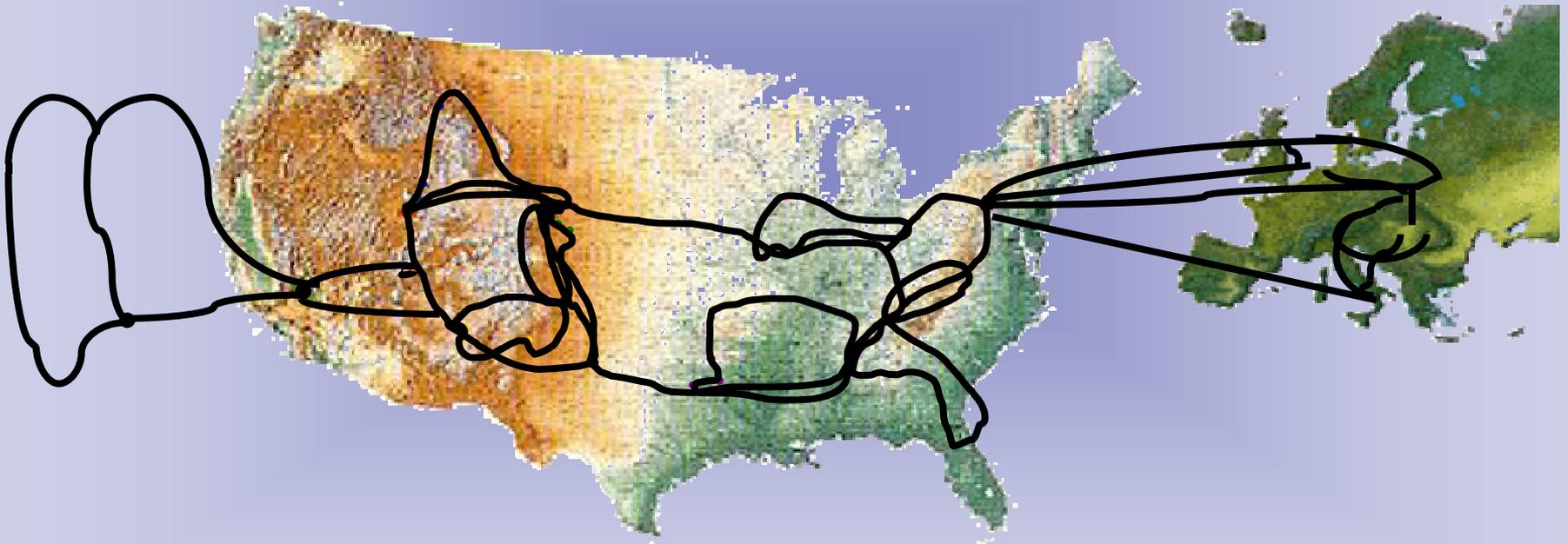


“TO BE”
2006-11

Global Information Grid - Bandwidth Expansion

Part of the Global Information Grid

- Ubiquitous, secure, robust optical IP foundation network
- CONUS & OCONUS
- ~90% of DCGS sites are included on the GIG-BE List
- IOC Sep 04
- FOC Sep 05

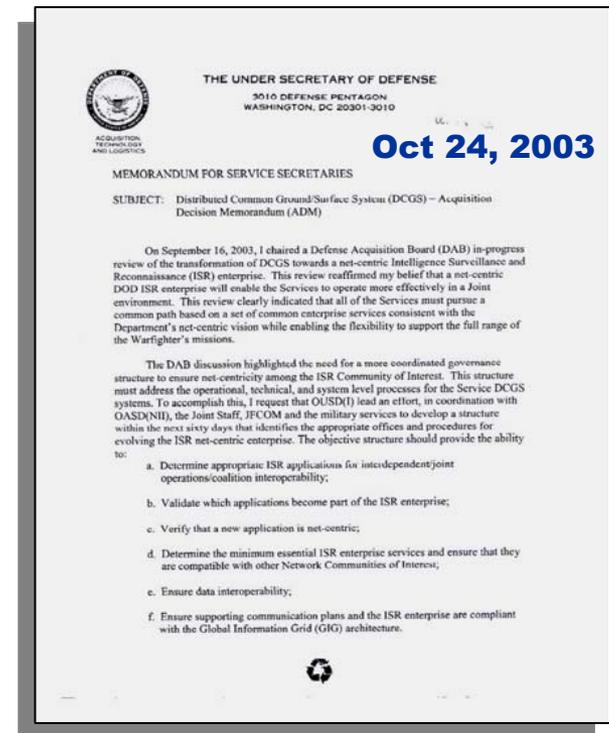


GIG BE goal: Remove bandwidth as limiting factor

Recent DCGS Interoperability Memorandum

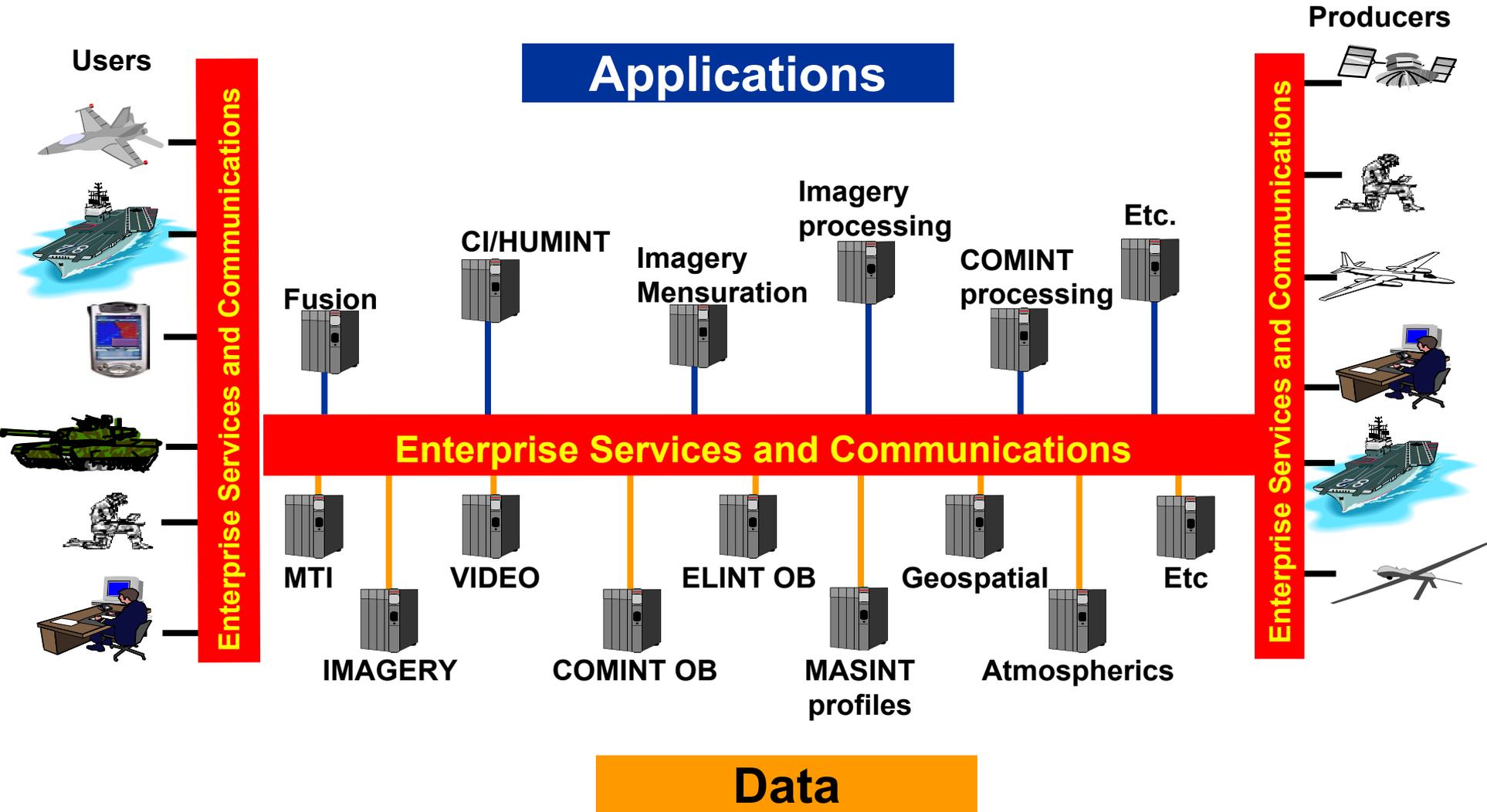
“DCGS Acquisition Decision Memorandum”

- **Defense Acquisition Executive Authorized Air Force to proceed with DCGS 10.2 including DCGS Integration Backbone (DIB)**
- **All Services will use the DIB to achieve Net Centricity**

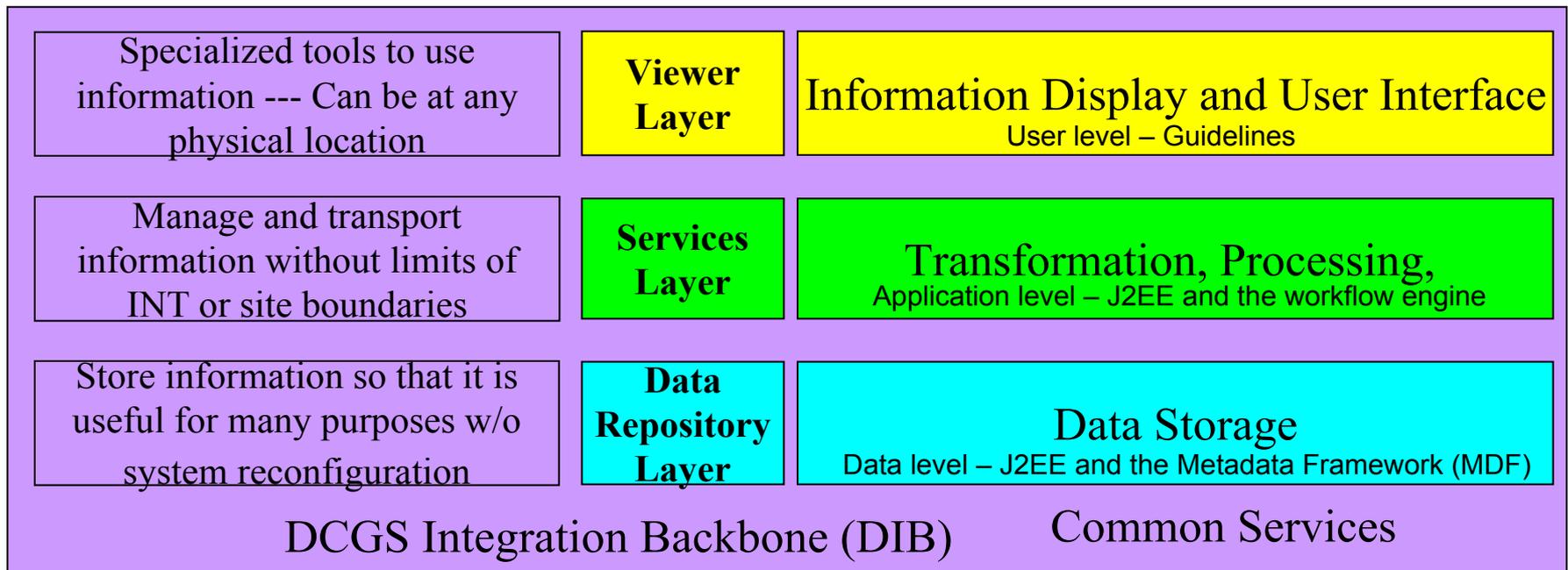


DIB – Focal Point for Net Centric ISR

Data Interoperability



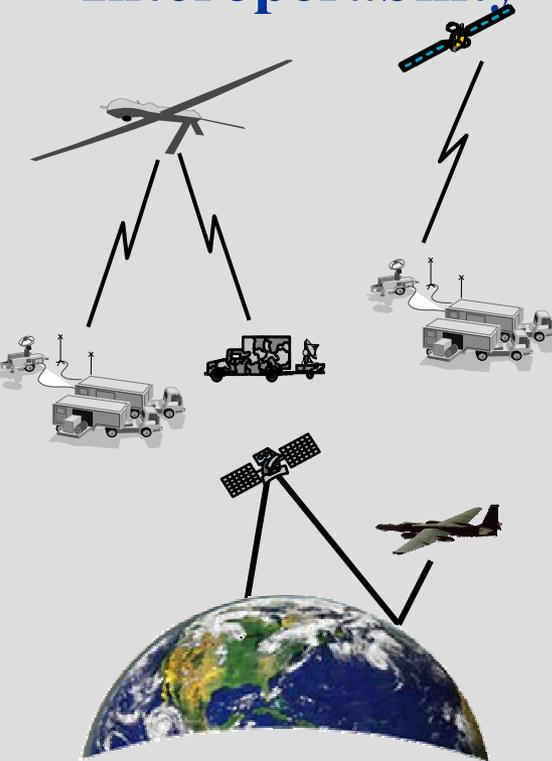
DIB Milestones



- **March 05 DIB Delivery to AF DGS-X**
- **April 05 DIB Available to other Service PMs**
- **June 05 DIB DD250**
 - FY05 17 Suites (Navy-8, USMC-2, Air Force-5, NGA-2)
 - FY06 25 Suites (Army-10, Navy-8, Air Force-7)
 - FY07 33 Suites (Army-6, Navy-19, Air Force-8)

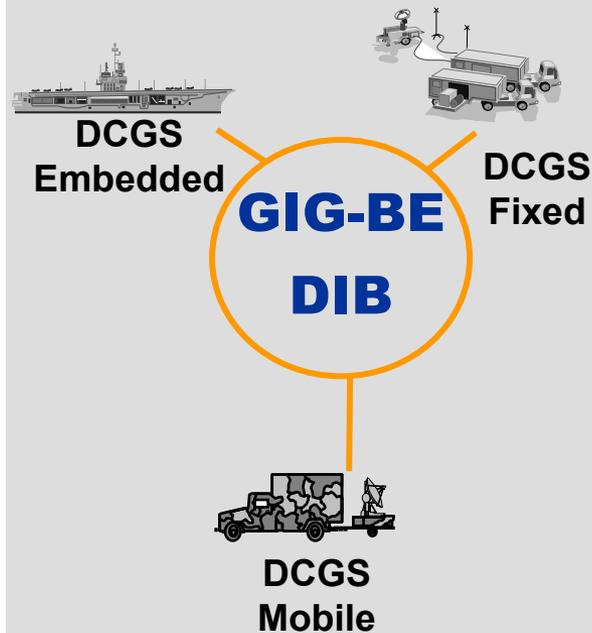
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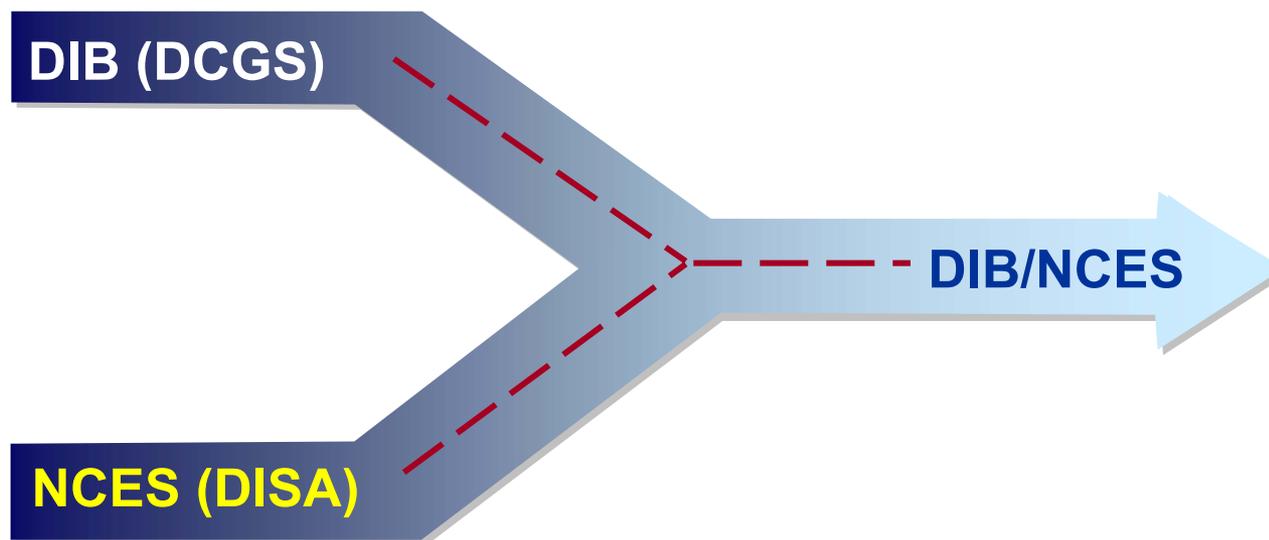
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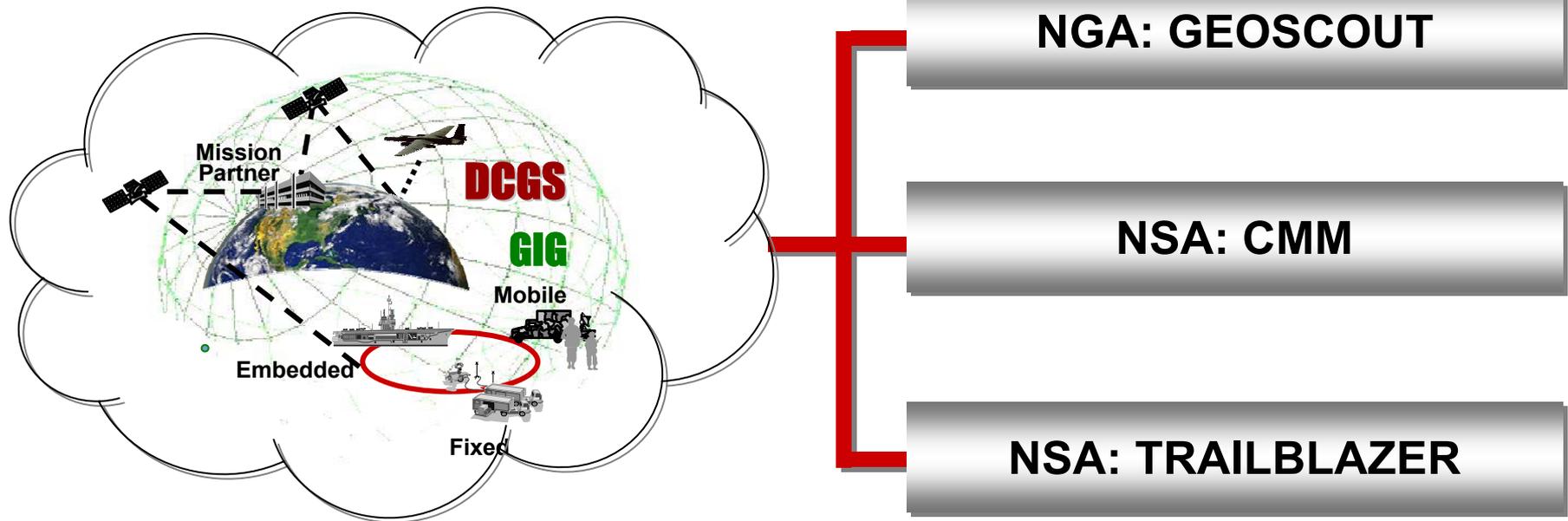
"TO BE"
2006-11

Migration to Common Enterprise Services



ISR Enterprise Service COI formed to merge multiple ISR programs collaboration services

DCGS Interoperability with National Agency Systems



Requires close coordination with GeoScout, SOSCOE, CMM and Trail Blazer

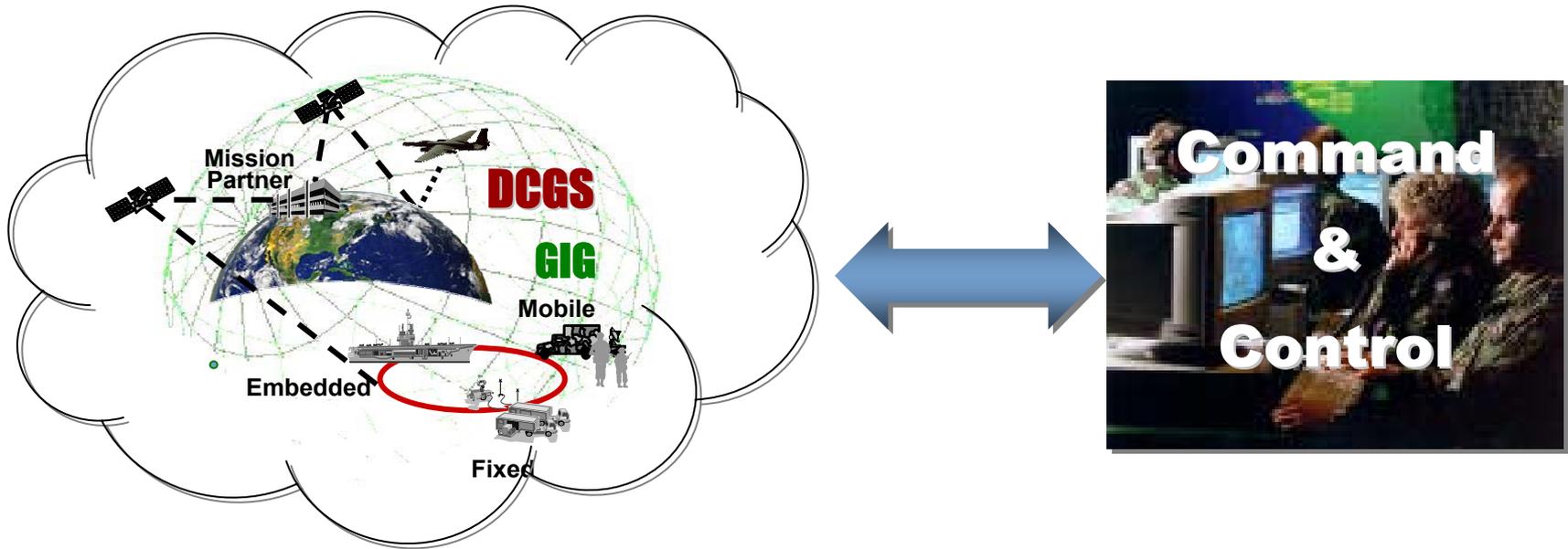
Develop Data Exchange Formats / Standards

- As we move toward Data Repositories there is a need for DoD or National Data Standards

IMINT	SIGINT	MASINT
<ul style="list-style-type: none">• NITF 2.1• MPEG – 2• NATO STANAG 4607	<ul style="list-style-type: none">• NSTF? <p>Work in Progress</p>	<ul style="list-style-type: none">• NMTF? <p>Future Effort</p>

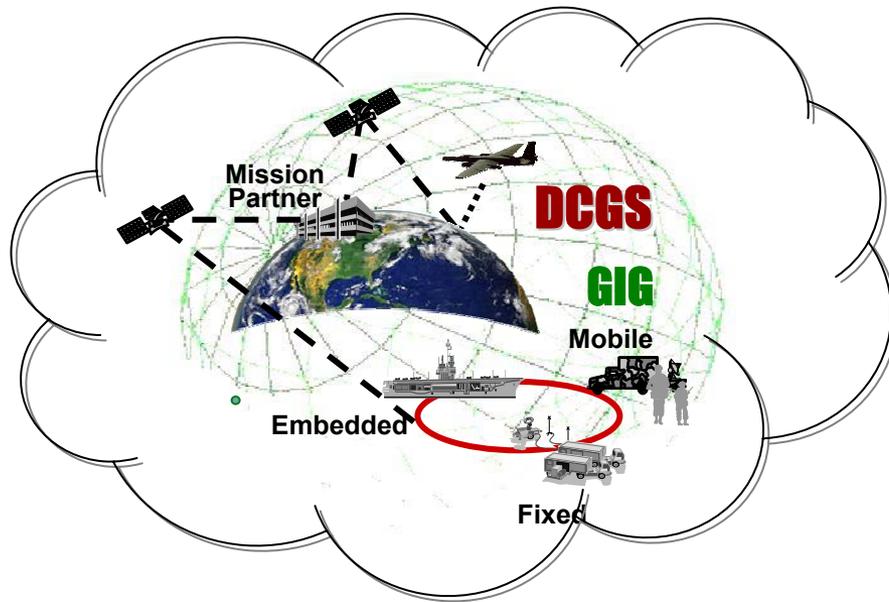
IMINT success forms a challenge for the other INTs

DCGS and C2 Interoperability



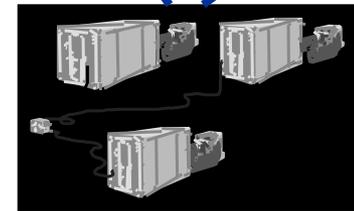
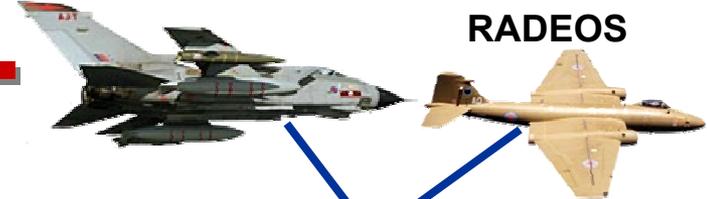
DCGS is a JBMC2 Pathfinder Program

DCGS Interoperability with Allies



Tornado RAPTOR

Canberra PR9
RADEOS



Other Allies to Follow

Empire Challenge is leading the way

Coalition Interoperability

Core Services form a common baseline for Coalition Interoperability

- J2EE Commercial Standards
- NATO STANAGS
- Demonstrate via Combined/Joint Exercises
 - JTFEX 04 & 06
 - Empire Challenge

**Achieve Coalition Interoperability
with the same foundation as JOINT interoperability**

An Integration Strategy

- **Common Integrating Framework**
 - For ISR -- DCGS Integration Backbone (DIB)
 - Core Services
 - Based on DoD Net-Centric Data Strategy
- **Strong Governance**
 - DCGS Council (USD(I))
 - Core Enterprise Service Domain (NII)
 - USD(I), DCIO, USJFCOM
 - ISR Enterprise Services Community of Interest (COI)

