



Net-Centric ISR

Kevin Meiners

**Office of the Under Secretary of Defense
for Intelligence**

NDIA Conference

22 Mar 2005

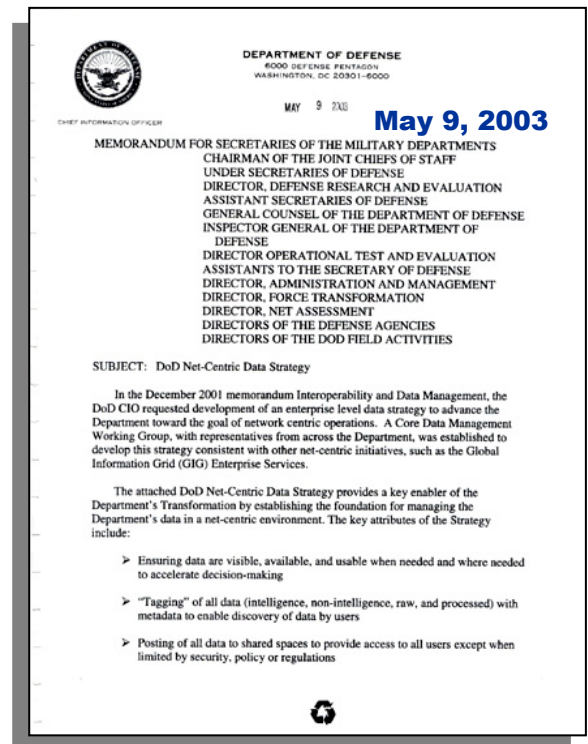
Agenda

- **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

“DoD Data Strategy”

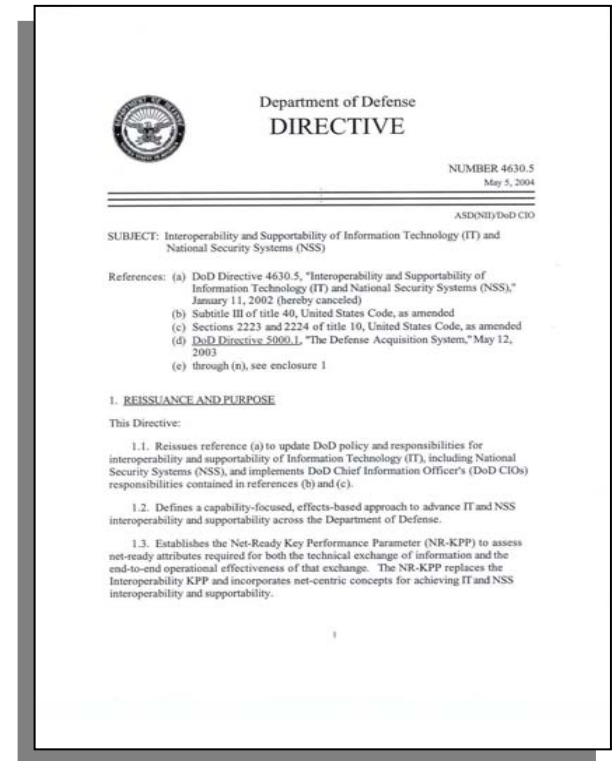


Google Search: “ DoD Data Strategy ”

Joint Staff NR-KPP Guide

- **New Key Performance Parameter:
Net-Ready KPP**
- **Net-Ready KPP used in lieu of the
Interoperability KPP**
- **Other NR-KPP Guidance Docs:**
 - **DoDI 4630.8** (Implements NR Policy)
 - **JROCM 236-03** (Replaces IER & I-KPPs)
 - **CJCSI 3170.01D** (JCIDS Procedures)
 - **CJCSI 6212.01C** (Required for IT Systems)

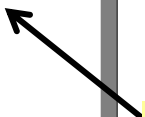
“DoDD 4630.5”




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”




INTELLIGENCE

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

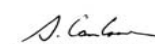
SUBJECT: HORIZONTAL INTEGRATION OF COLLECTED THEATER
INTELLIGENCE


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

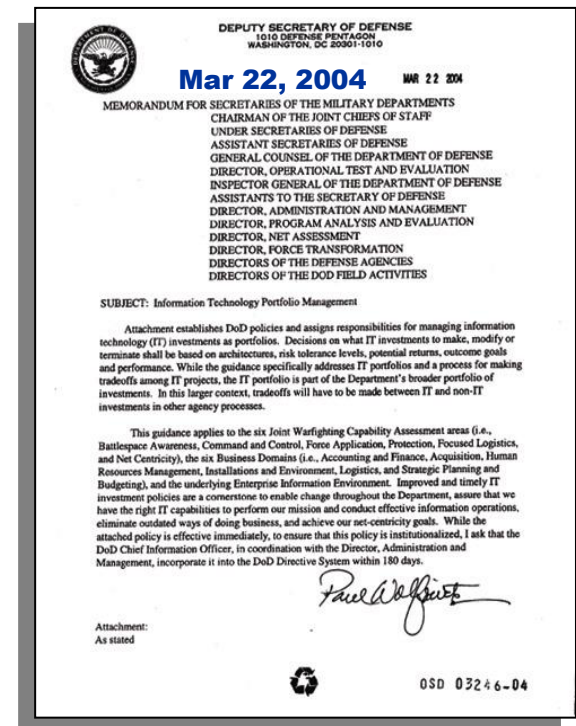


Access – Access – Access

DEPSECDEF - IT Portfolio MGMT

- Portfolio Mgmt vice Program Mgmt
- Three Mission Areas
 - Business
 - Warfighting
 - Enterprise Info Environment
- Domains are Designated within Mission Areas
- Communities of Interests (COIs) are Formed within a Domain

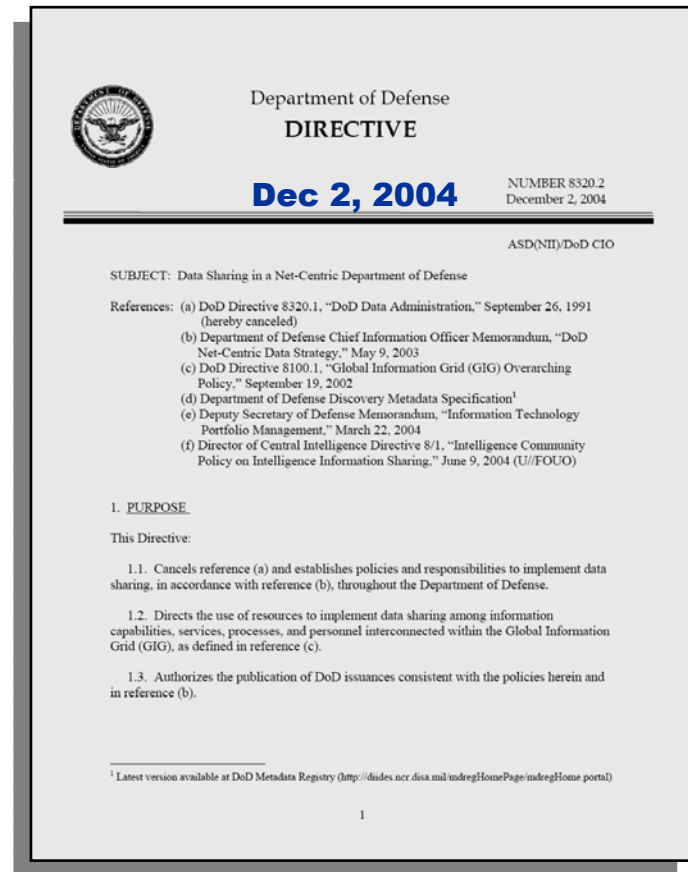
“IT Portfolio Mgmt”



Intelligence – Emerging as 4th MA

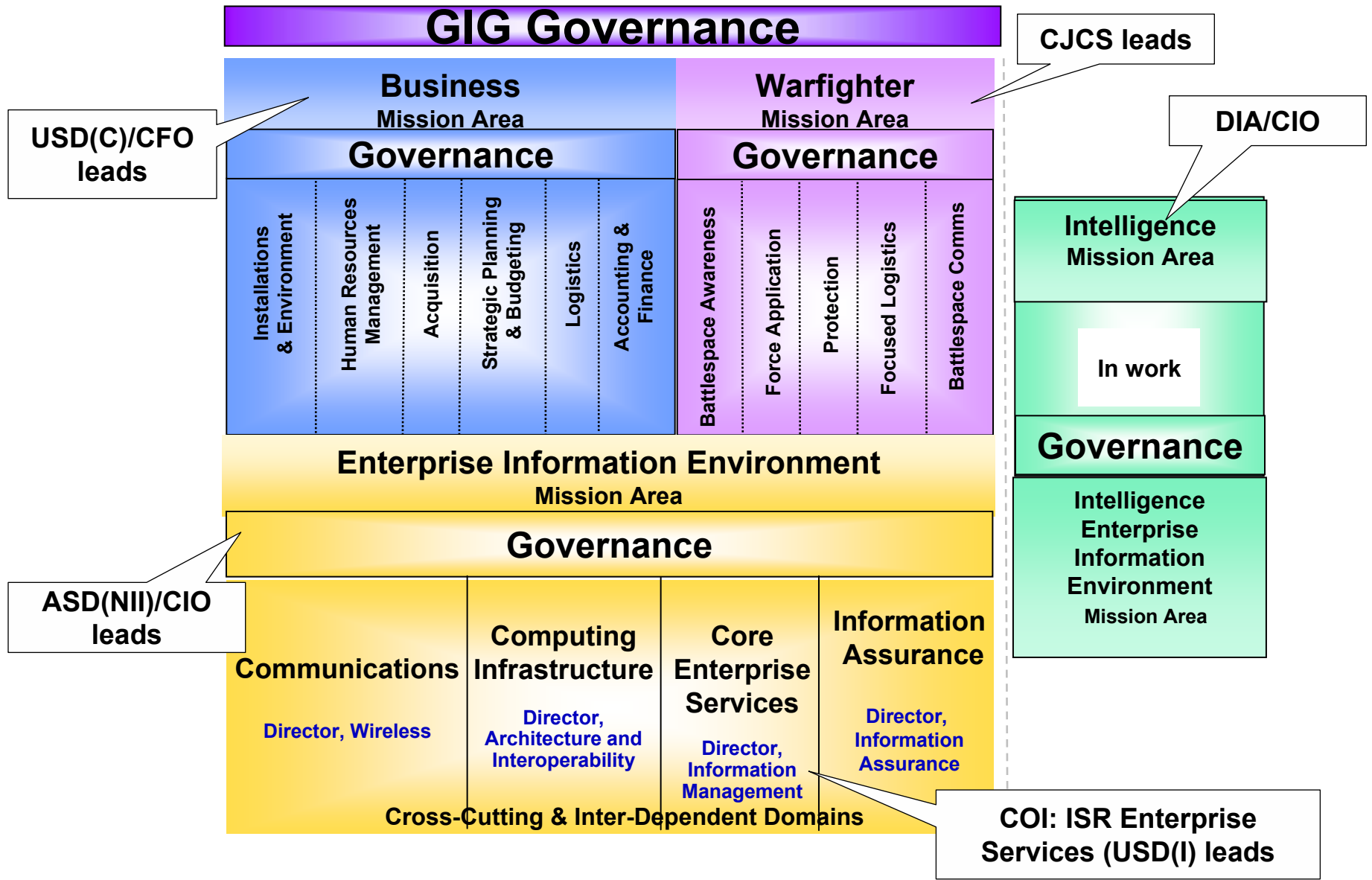
DODD 8320.2 - Data Sharing in a Net-Centric DOD

- **Under Secretary of Defense For Intelligence shall:**
 - With DoD CIO, USD(P), and IC CIO, develop policies and procedures to protect Net-Centric data while enabling data sharing across different security classifications and between the DOD, the IC, and multinational partners, IAW with policies consistent with DCID 8/1.
 - Ensure that Defense Intelligence Activities within the **National Intelligence Mission Area** promote Net-Centric data sharing and effectively enable COIs, adjudicating conflicts in metadata agreements and identifying authoritative sources.
 - Ensure CI and security support to network-centric operations.



Expands on 22 Mar 04 DEPSECDEF memo

DoD Portfolios and Related National Intelligence Portfolios

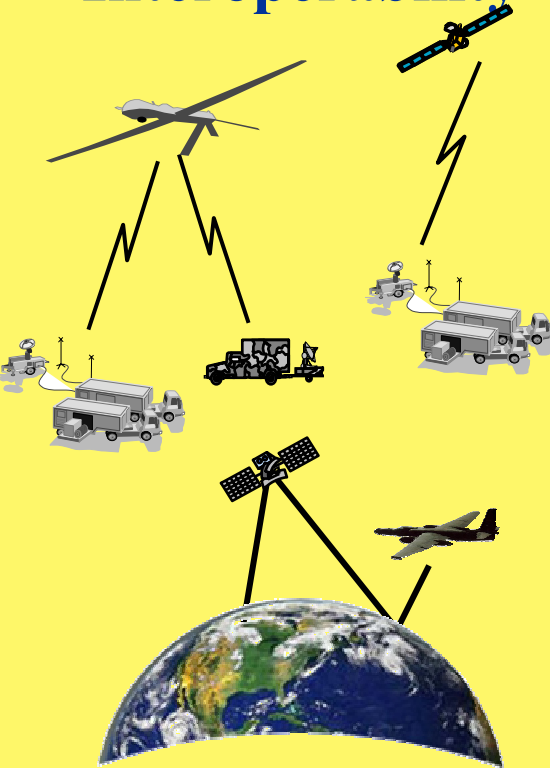


Agenda

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

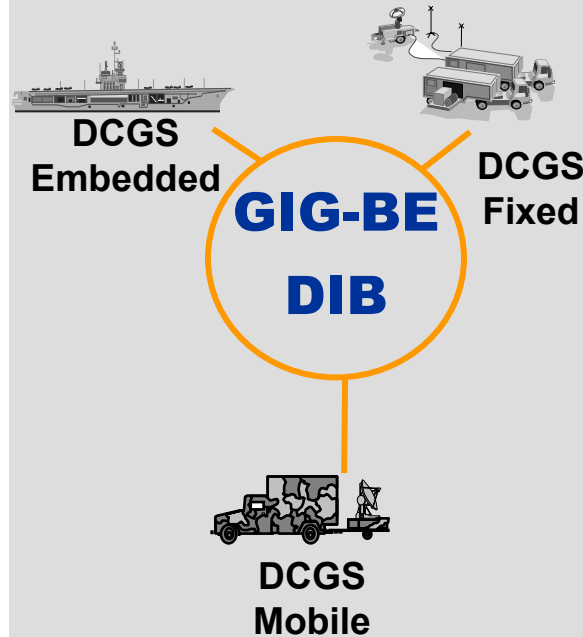
Distributed Common Ground/Surface Systems (DCGS)

DCGS Today "Interoperability"



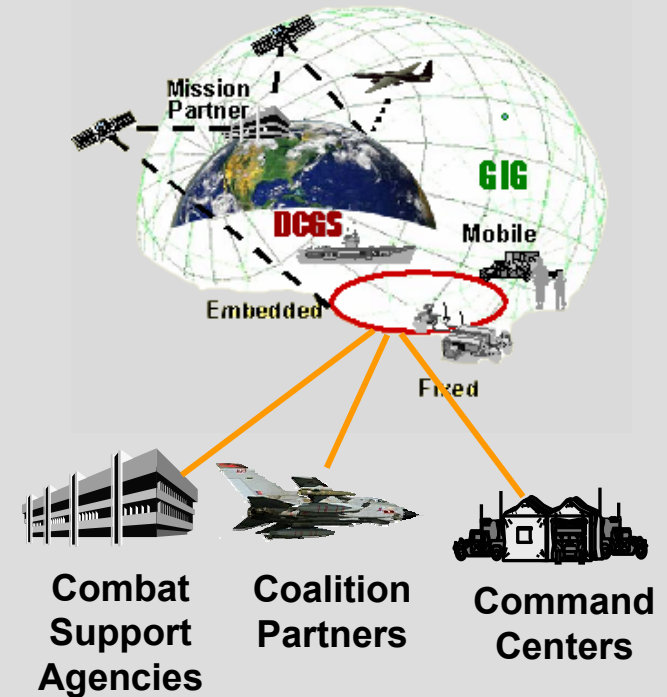
"AS IS"
2000-04

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

DCGS-A

GRIFN

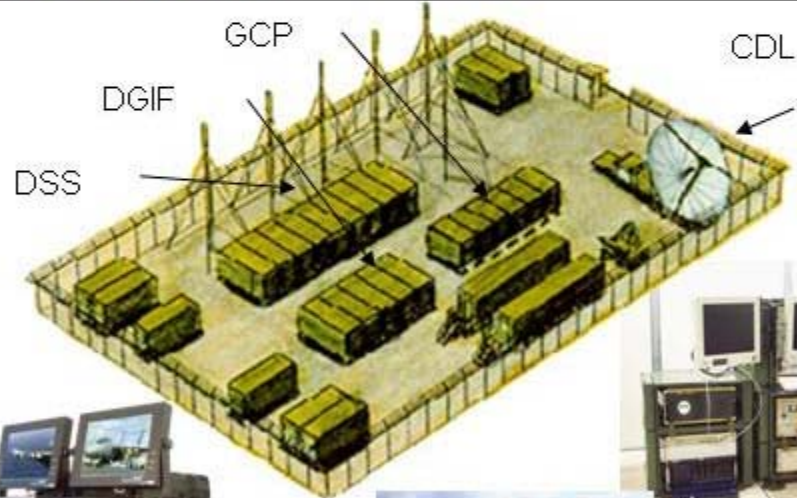
DCGS-MC



TES-N



SSEE



BGPHERS



JSIPS-N



MIBS



ISRM



DTS

DCGS-N

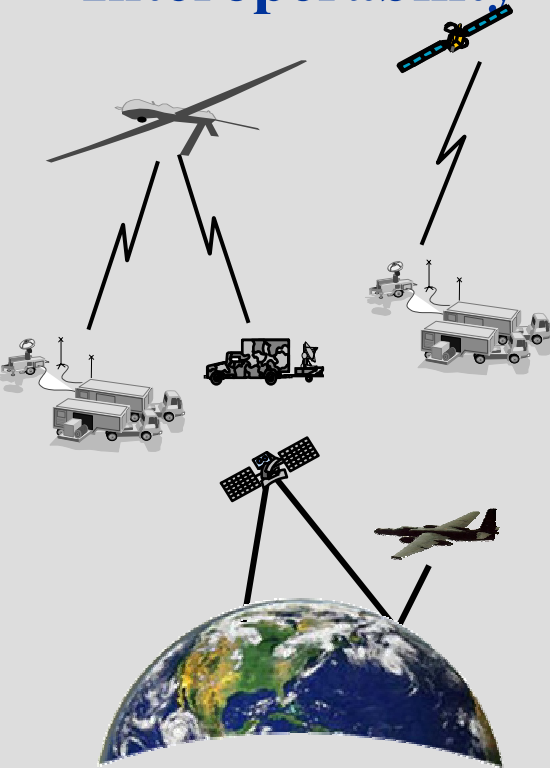
DCGS-AF



MOBSTR

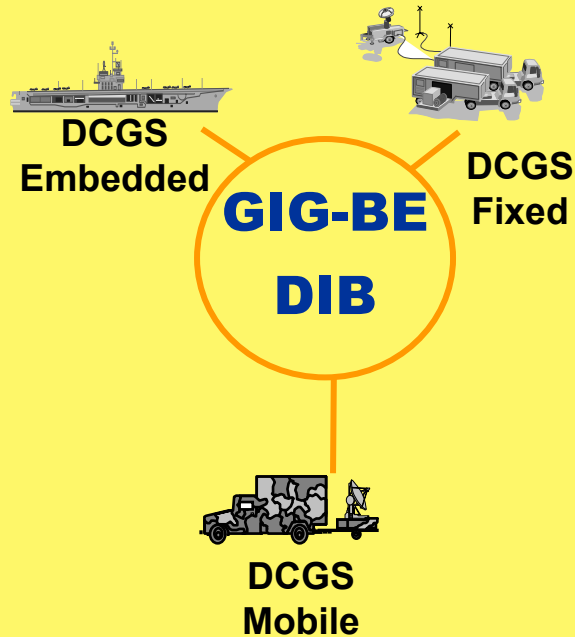
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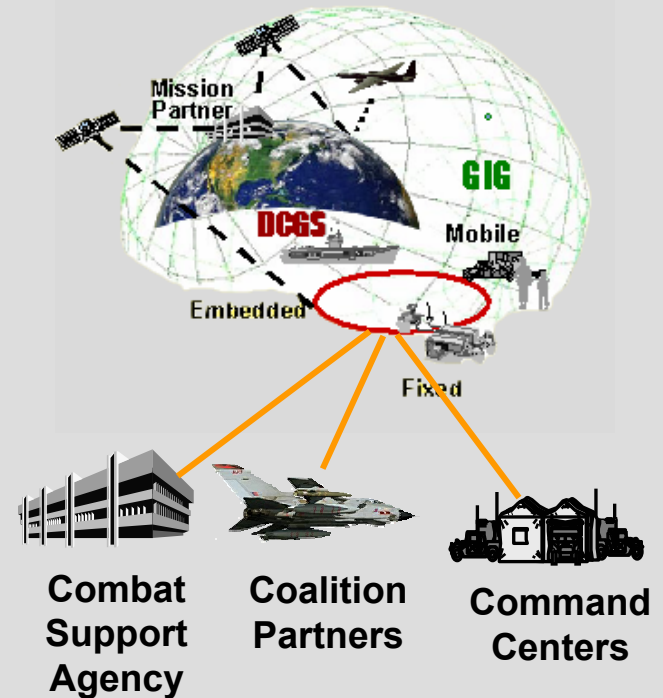
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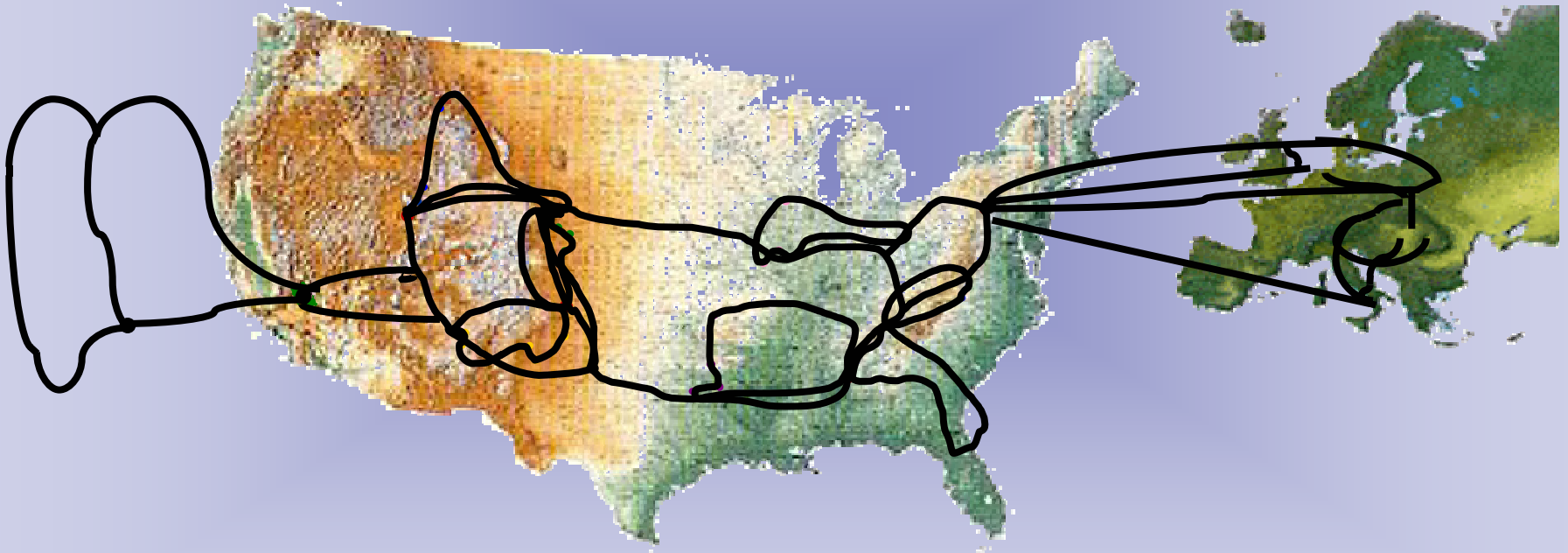


"TO BE"
2006-11

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

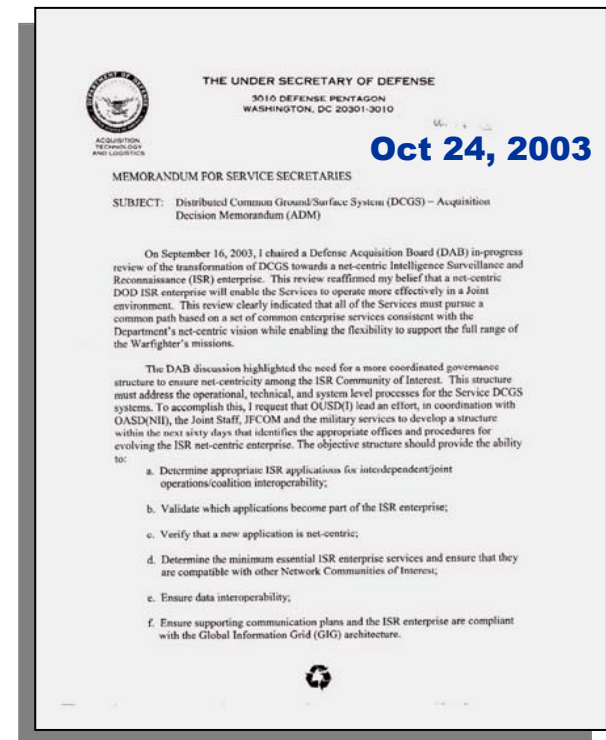


GIG BE goal: Remove bandwidth as limiting factor

Recent DCGS Interoperability Memorandum

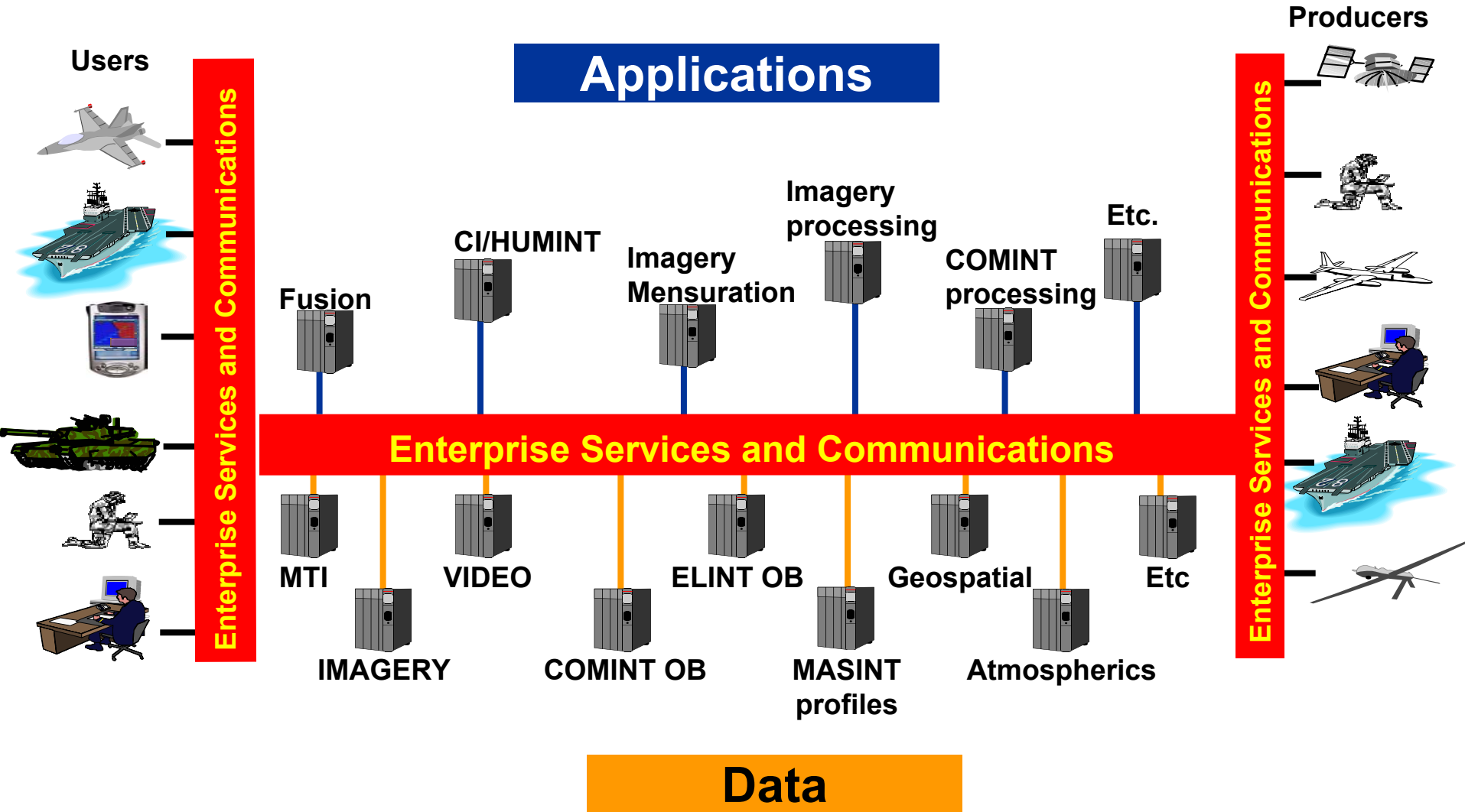
“DCGS Acquisition Decision Memorandum”

- **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**

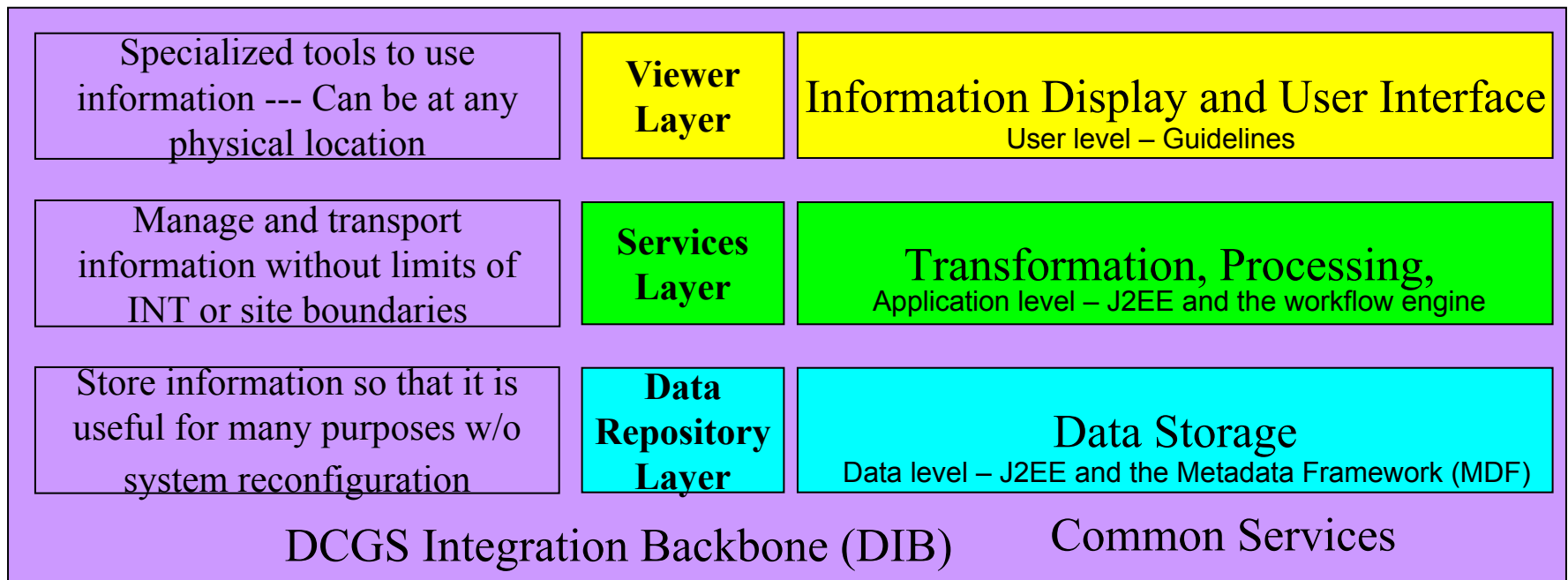


DIB – Focal Point for Net Centric ISR

Data Interoperability



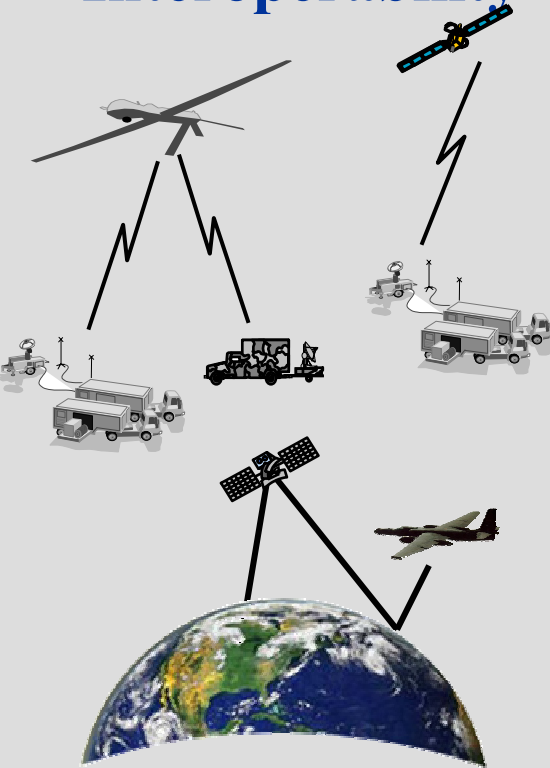
DIB Milestones



- **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)

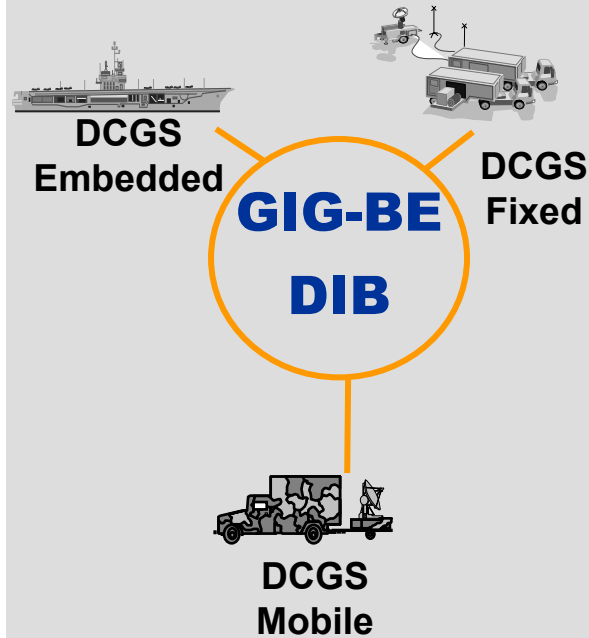
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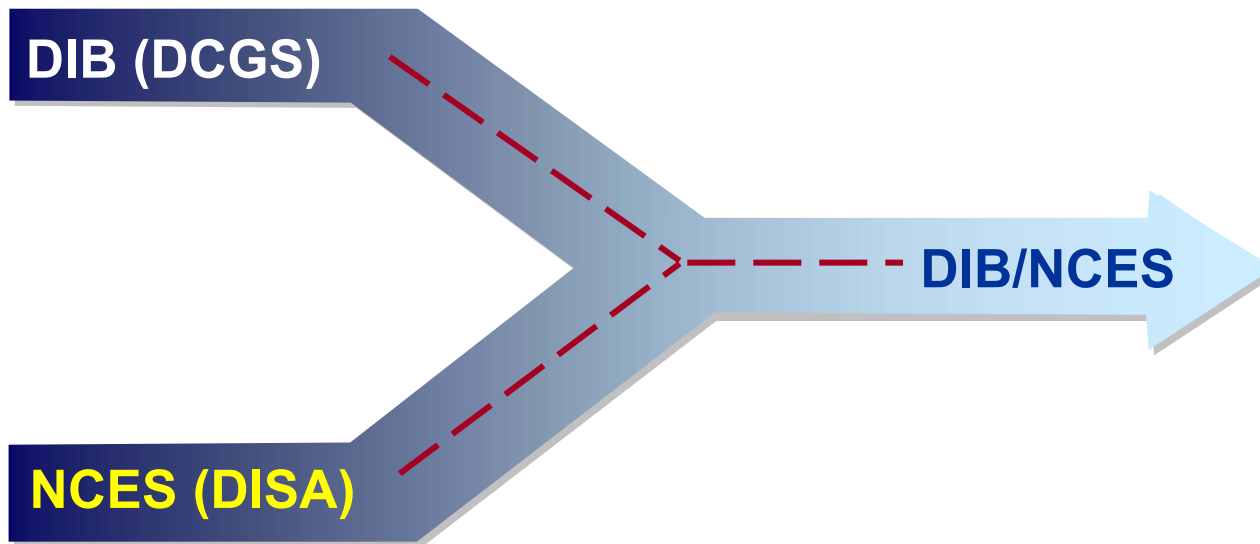
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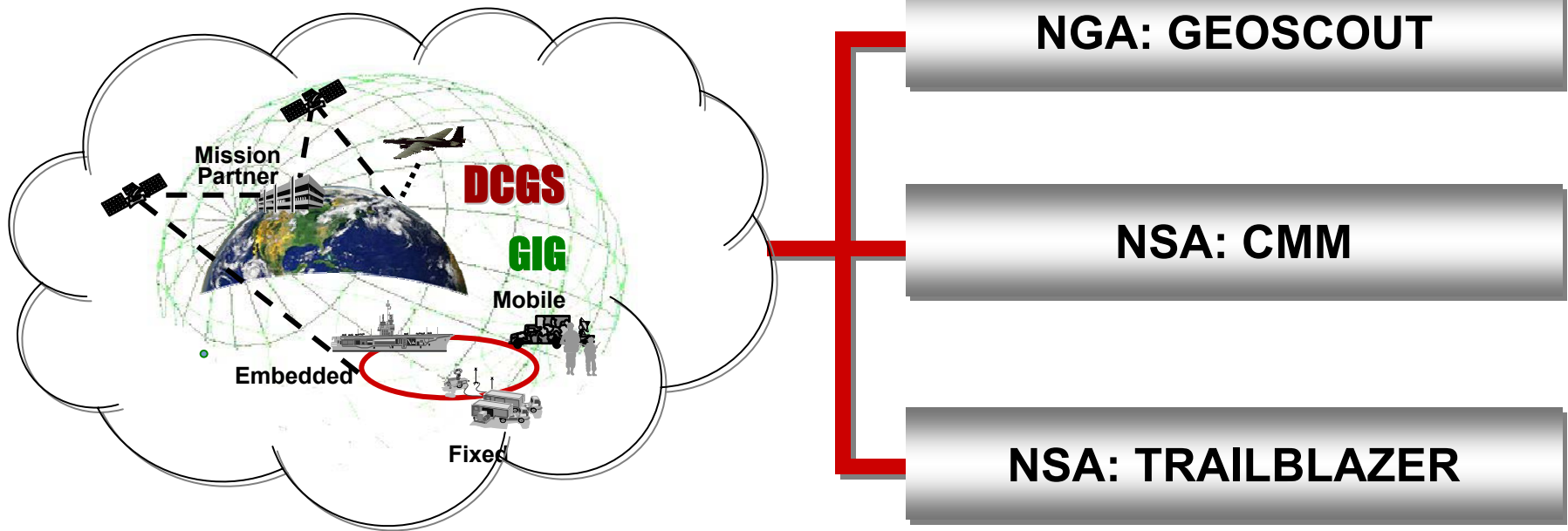
"TO BE"
2006-11

Migration to Common Enterprise Services



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

DCGS Interoperability with National Agency Systems



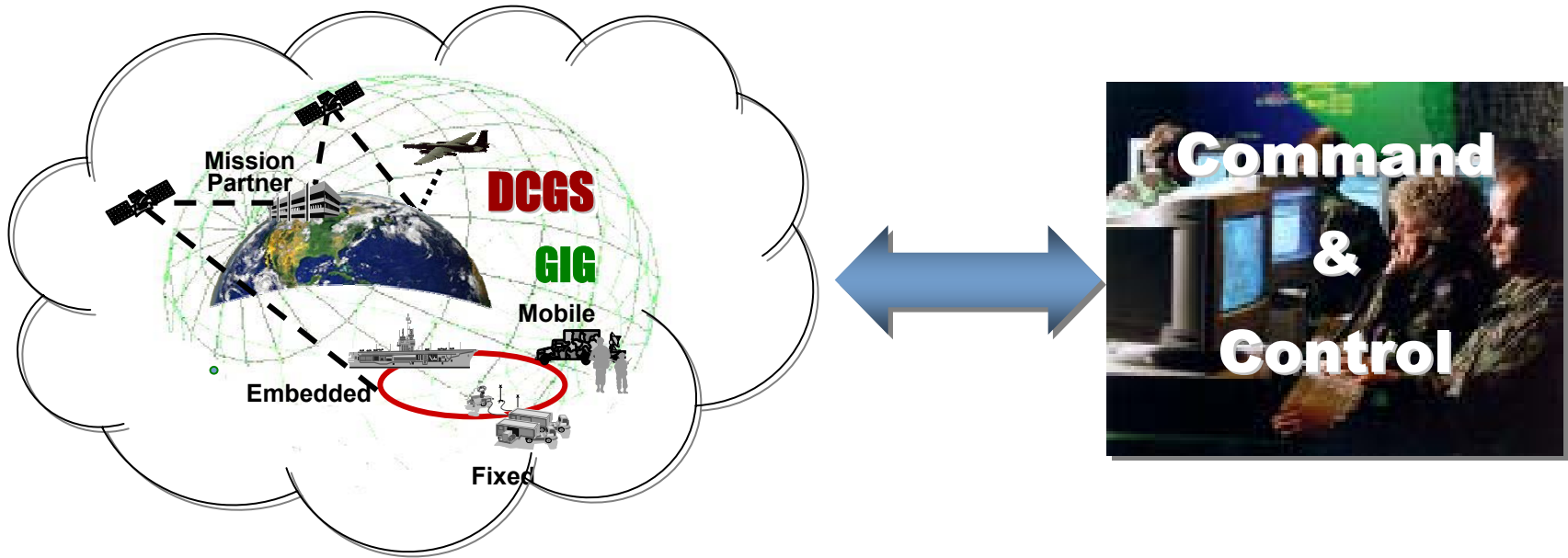
Requires close coordination with GeoScout, SOSCOE, CMM and Trail Blazer

Develop Data Exchange Formats / Standards

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

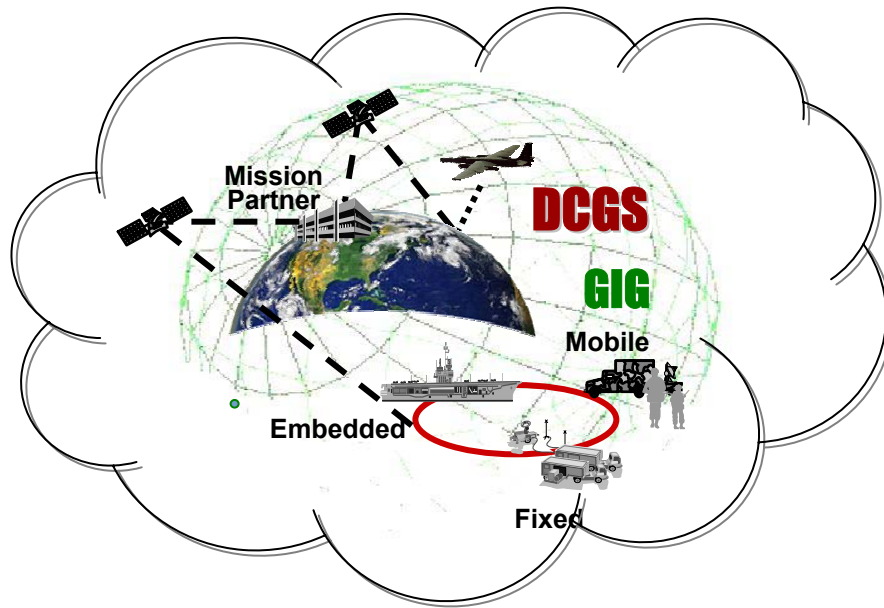
IMINT	SIGINT	MASINT
<ul style="list-style-type: none">• NITF 2.1• MPEG – 2• NATO STANAG 4607	<ul style="list-style-type: none">• NATO STANAG 4633 (ELINT) – In Coord.• NSTF?	<ul style="list-style-type: none">• NMTF? Future Effort

DCGS and C2 Interoperability



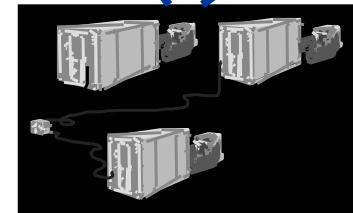
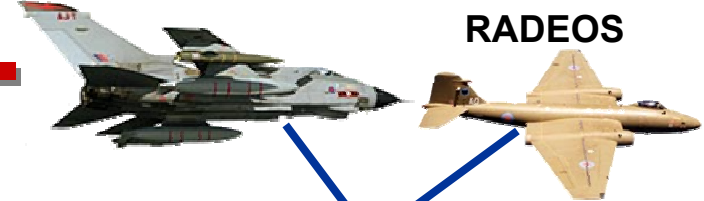
DCGS is a JBMC2 Pathfinder Program

DCGS Interoperability with Allies



Tornado RAPTOR

Canberra PR9
RADEOS



Other Allies to Follow

Empire Challenge is leading the way

