



# ***Global Command and Control System-Joint Enterprise (GCCS-JE) Overview Brief***

to

## **Enterprise Services Data Panel (ESDP)**

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**John 'Stick' Wellman**

**Joint Staff J6 DDC5I**

**Division Chief, Combat Capability Developer (CCD)**

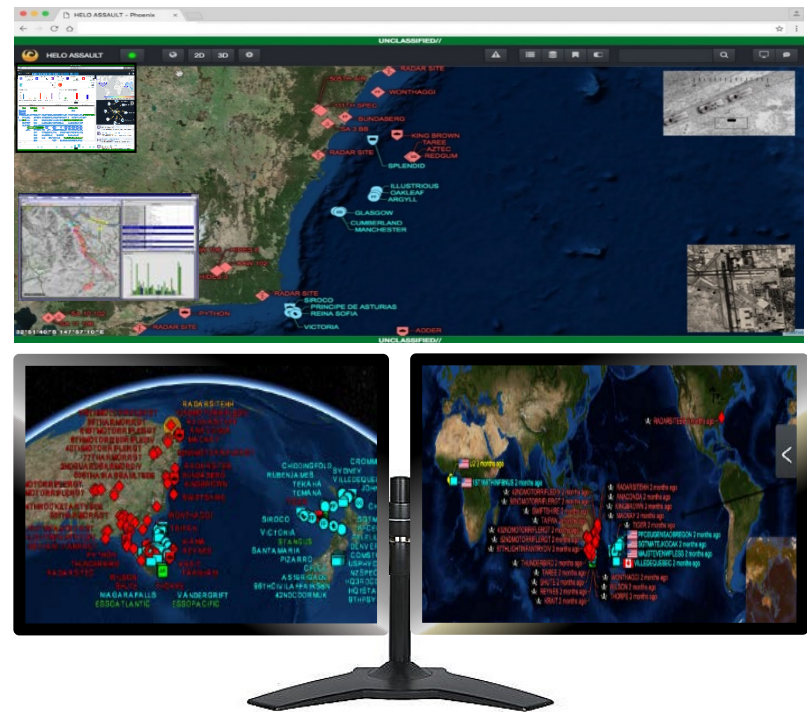
**757-836-0973**

**OVERALL CLASSIFICATION IS UNCLASSIFIED**

- GCCS-JE

- Requirements captured in GCCS-JE Information Systems-Capabilities Development Document (IS-CDD)
- C4/Cyber Functional Capabilities Board (FCB) – 20 Jul; Joint Capabilities Board (JCB) and Joint Requirements Oversight Council (JROC) next
- Key players -- JS J6 – capability sponsor & requirements lead; JS J3 – operational sponsor; DISA – materiel developer; C/S/A, JS & OSD
- Milestone B targeted 1QFY18; design and capability development to follow
- Accessing & displaying multiple data exchanges/interfaces will be critical

# Overview / Concept of Operations



**GCCS-JE Mission:** Provide commanders and staffs access to, and display of, timely, relevant, accurate, and secure Situational Awareness data and information to assist and improve decision-making in and across land, maritime, air, space, and cyberspace domains.

*Operationalizes Global C2 picture and enhances collaborative decision-making*

**Capability Description:** Dynamic and secure enterprise-based approach to aggregate/de-aggregate (access & display) Situational Awareness data, to include position and track information, from national/strategic to operational levels (Global COP (GCOP) / NMCC to Common Tactical Picture (CTP) / CJTF)

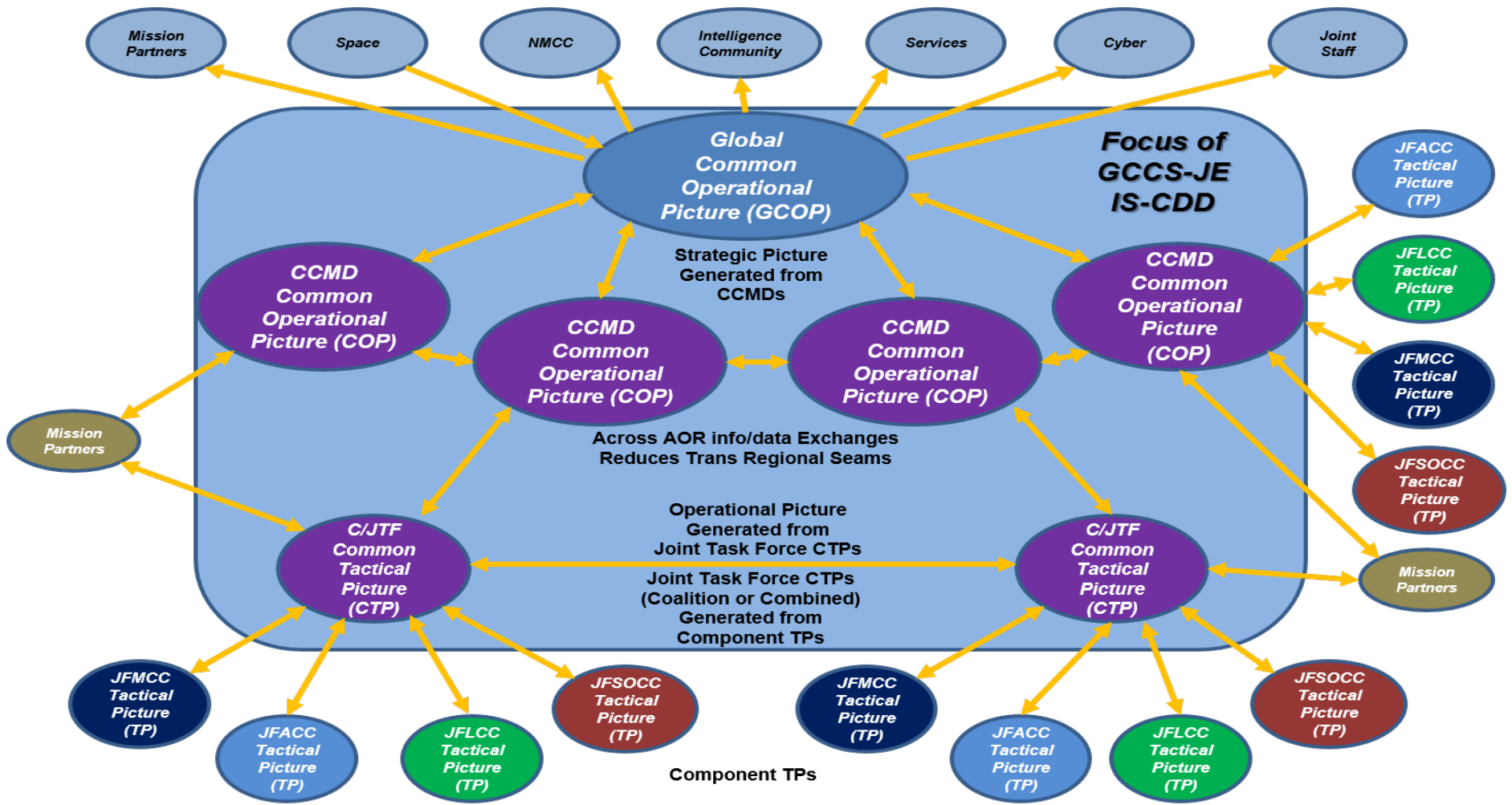
- Assures data sharing across trans-regional battlespace seams
- Agile incorporation/sunset of data sources/services/interfaces
- Denied-Disconnected, Intermittent, Low-Bandwidth (D-DIL) ops

**Gaps:** Cyber vulnerabilities and aging, inflexible software & architecture

- Inability to display operationally relevant COP information, to include interagency and mission partner data
- Inability to operationalize Global COP decision-making
- Inability to access relevant geospatial data services to enhance mission planning and collaboration

**Solution:** Legacy GCCS-J recapitalization to GCCS-J Enterprise—enterprise data access & cyber hardening

**Operational Outcome:** A secure, enterprise level, data & services-rich COP that enhances timely and effective decision-making within operational cycles. Enables cross-domain data sharing with mission partners, and the ability to execute mission-critical functions in a D-DIL environment.

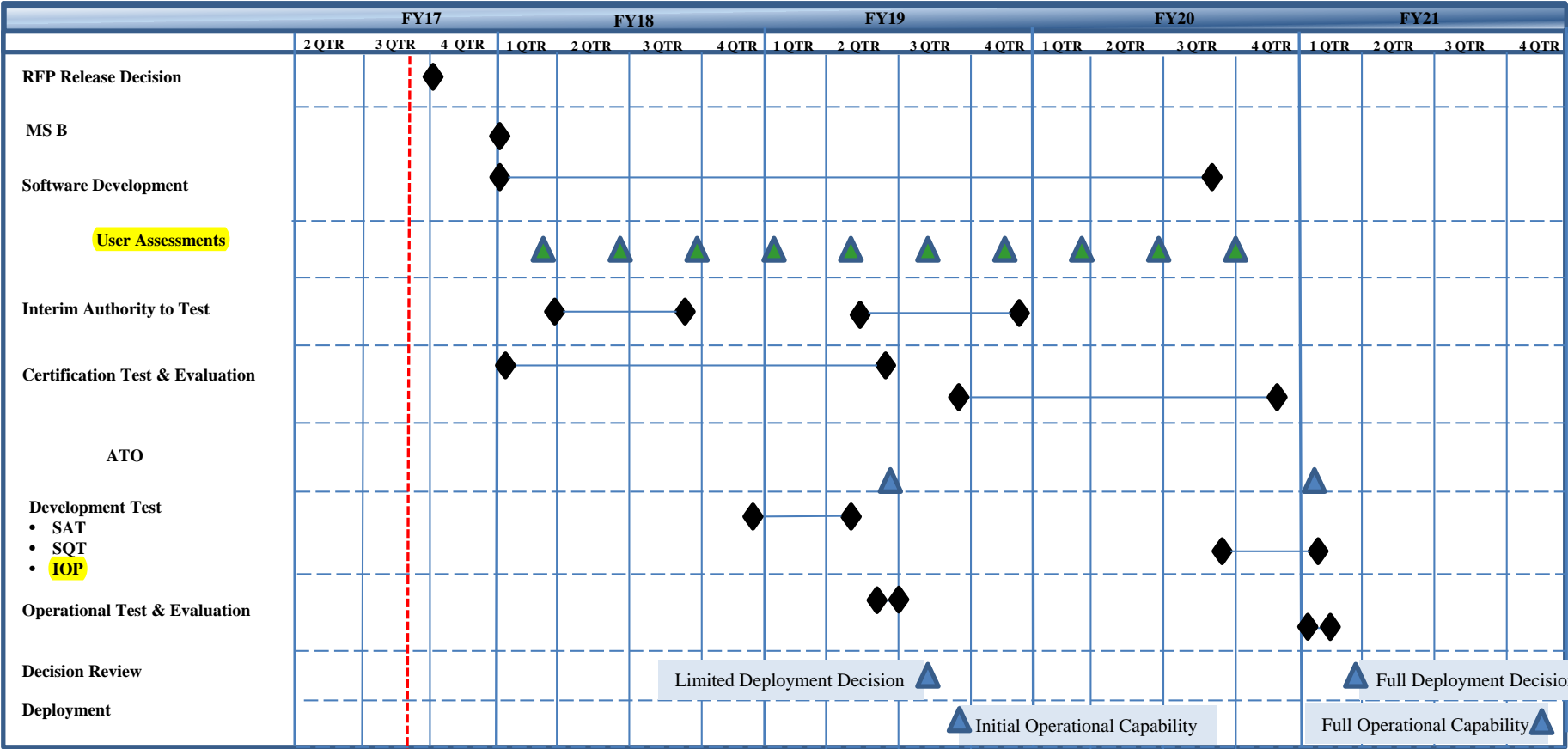


NMCC – National Military Command Center  
CCMD – Combatant Command  
CJTF – Commander Joint Task Force or Combined Joint Task Force (NATO usage)

JFMCC – Joint Force Maritime Component Commander  
JFACC – Joint Force Air Component Commander  
JFLCC – Joint Force Land Component Commander  
JFSOCC – Joint Force Special Operations Component Commander

Note – this OV-1 depicts GCCS-JE scope to focus on C/JTF and above enterprise information sharing; yellow arrows reflect current and future data and information flows supporting operational sharing of data, information and communications. The Combatant Commands retain the ability to provide services and exchange information across security domains in order to meet mission requirements.

# Program Schedule



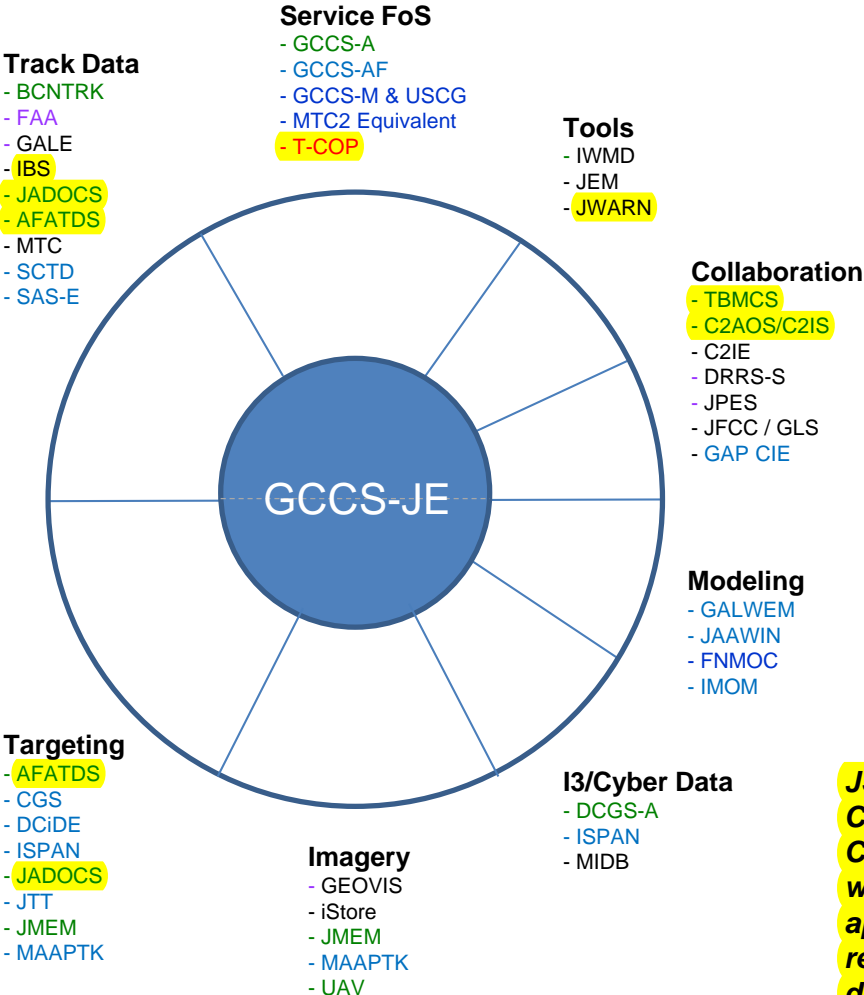
As of June 2017

Legend

- ◆ Start/Stop
- ▲ Assessments
- ▲ Decision

# Interrelationships, Dependencies, and Synchronization with Complementary Systems

GCCS-JE	Critical Interfaces
AFATDS	Advanced Field Artillery Tactical Data Systems target list via JTT (USA)
BCNTRK	Beacon Track (USA)
C2AOC & C2IS	Command and Control Air Operations Services & Information Services - ATO/ACO (USAF)
C2IE	Command & Control of the Information Environment (OSD SCO / DISA)
CGS	Common Geospatial Services via JTT (USAF)
DCGS-A	Distributed Common Ground System-Army
DCIDE	Digital Precision Strike Suite (DPSS) Collateral Damage Estimation (DCIDE)-No Strike List via JTT (USAF)
DRRS-S	Defense Readiness Reporting System-Strategic (OSD-P)
FAA	Federal Aviation Administration Tracks & Routes (non-DoD)
FNMOG	Fleet Numerical Meteorological and Oceanographic Meteorological Data Server (USN)
GALE	Generic Area Limitation Environment SIGINT (NSA)
GALWEM	Global Air Land Weather Effects Model (USAF)
GCCS-A	Global Command & Control System-Army
GCCS-AF	Global Command & Control System-Air Force
GCCS-M	Global Command & Control System-Maritime (USN)
GEOVIS	Geospatial Visualization - Enterprise Service (NGA)
GLS	Global Laydown Server (GLS) (JS)
I3	Integrated Imagery & Intelligence
IBS	Integrated Broadcast Service - SIGINT & Missile (NSA)
IMOM	Improved Many-on-Many EW (AFIWC)
iStore	Information Store for imagery products (NGA)
ISPAN	Integrated Strategic Planning and Analysis Network via JTT (USAF)
IWMD	Integrated Weapons of Mass Destruction Toolset (DTRA)
JAAWIN	Joint Army and Air Force Weather Information Network (USA & USAF)
JADOCS	Joint Automated Deep Operations Coordination System-MIDB (USA)
JEM	Joint Effects Model (JPEO-CBD JPM IS)
JMEM	Joint Munitions Effects Manual via JTT (USA)
JPES	Joint Planning & Execution Services (DISA)
JWARN	Joint Warning & Reporting Network (JPEO-CBD JPM IS)
MAAPTK JTT	Master Air Attack Plan Toolkit-Joint Targeting Toolbox (USAF)
MAAPTK MDAL	Master Air Attack Plan Toolkit-MIDB Data Access Layer (USAF)
MIDB	Master Integrated Database (DIA)
MTC	Multi-TADIL-J Capability - Link-16/TDL-J via (JADSI / JREAP)
MTC2	Maritime Tactical Command & Control (USN)
SAS-E	Situational Awareness Service-Enhanced (DISA)
SCTD	Space Common Tactical Dataset Space Tracks (AFSPC)
TBMCS	Theater Battle Management Core Systems - ATO/ACO (USAF)
T-COP	Tactical COP (USMC)
UAV	Unmanned Aerial Vehicle Video Streaming (JWAC)



DoD
USA
USAF
USN
USMC
Non-DoD

JS J6, in coord with DISA and C2 stakeholders (leveraging CJCSI/M 3265.01 structure), will annually update the applicable architectures reflecting new authoritative data sources (ADS) and those data sources no longer relevant/supported

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# *Questions*





# ***Back-ups***

- **Mission Statement:** DoD lead focused on Joint C2 capability needs/ requirements and Joint Staff lead for capability development/integration
  - *Fills a void* for joint capabilities normally addressed by the Service Headquarters -- requirements manager/sponsor, DOTmLPF-P capability developer, & integrator
  - *DoD Capability Sponsor and requirements lead* for Joint C2 capabilities / family of programs (FoP) (national/strategic to tactical-level); requirements lead for Mission Partner Environment (MPE)
- Direct coupling of warfighter operational requirements to capability material developer(s)
  - End-to-end, warfighter engagement (concept development through fielding & sustainment)
  - CCD reps are requirements *and* acquisition certified
- Active participation by:
  - Combatant Commands, Services, NGB, USCG, Joint Staff, OSD and Mission Partners
- Execute via multiple Department forums (requirements thru acquisition) to include C2 Executive Steering Council (ESC) and C2 Council of Colonels (CoC)



*Engaged throughout the capability development process*

# Capability Development

## Why Continual Engagement is Required



1



*How the User explained it*

2



*How the Requirements Manager understood it*

3



*How the Engineer designed it*

4



*How the Programmer wrote it*

5



*How the PM described it*

6



*How the program was documented*

7



*How the Taxpayer was billed*

8



*What the Operators installed*

9



*How the Help Desk supported it*

10



*What the User really wanted*

Command and Control Governance and Management - Structure

Deputy's Management Action Group (DMAG)

