

Department of the Air Force

Integrity - Service - Excellence



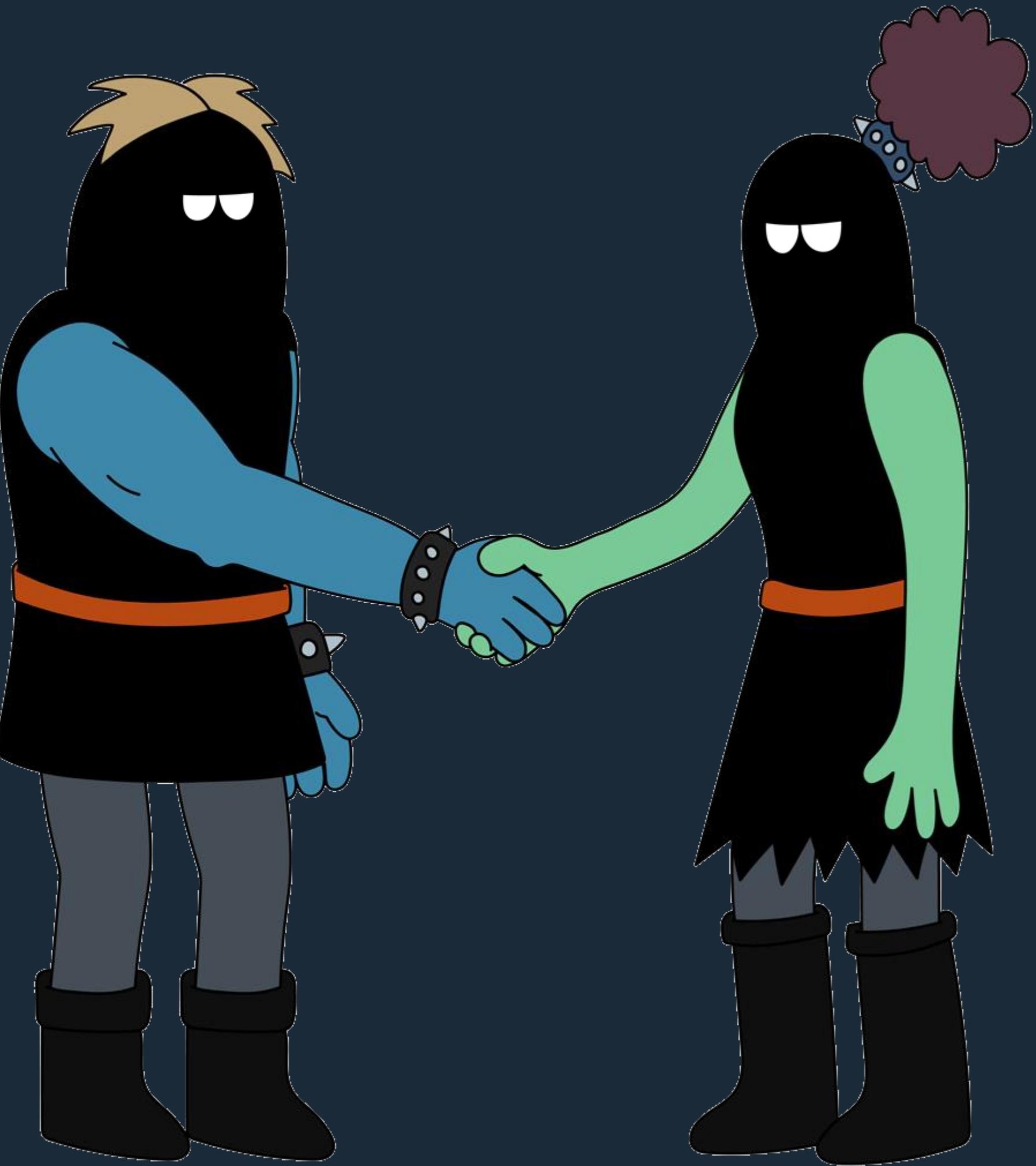
C3BM Delivery of The DAF BATTLE NETWORK

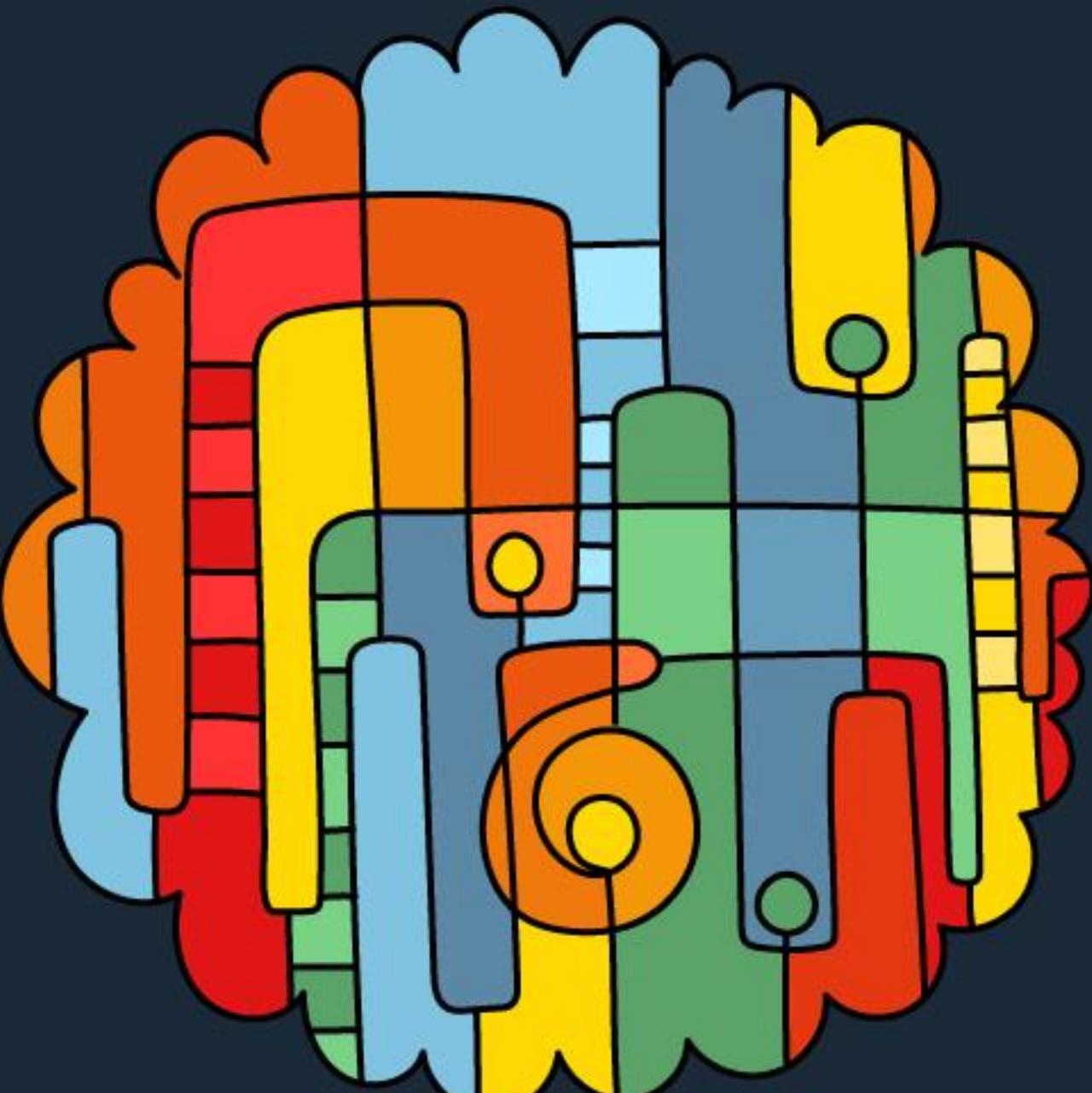
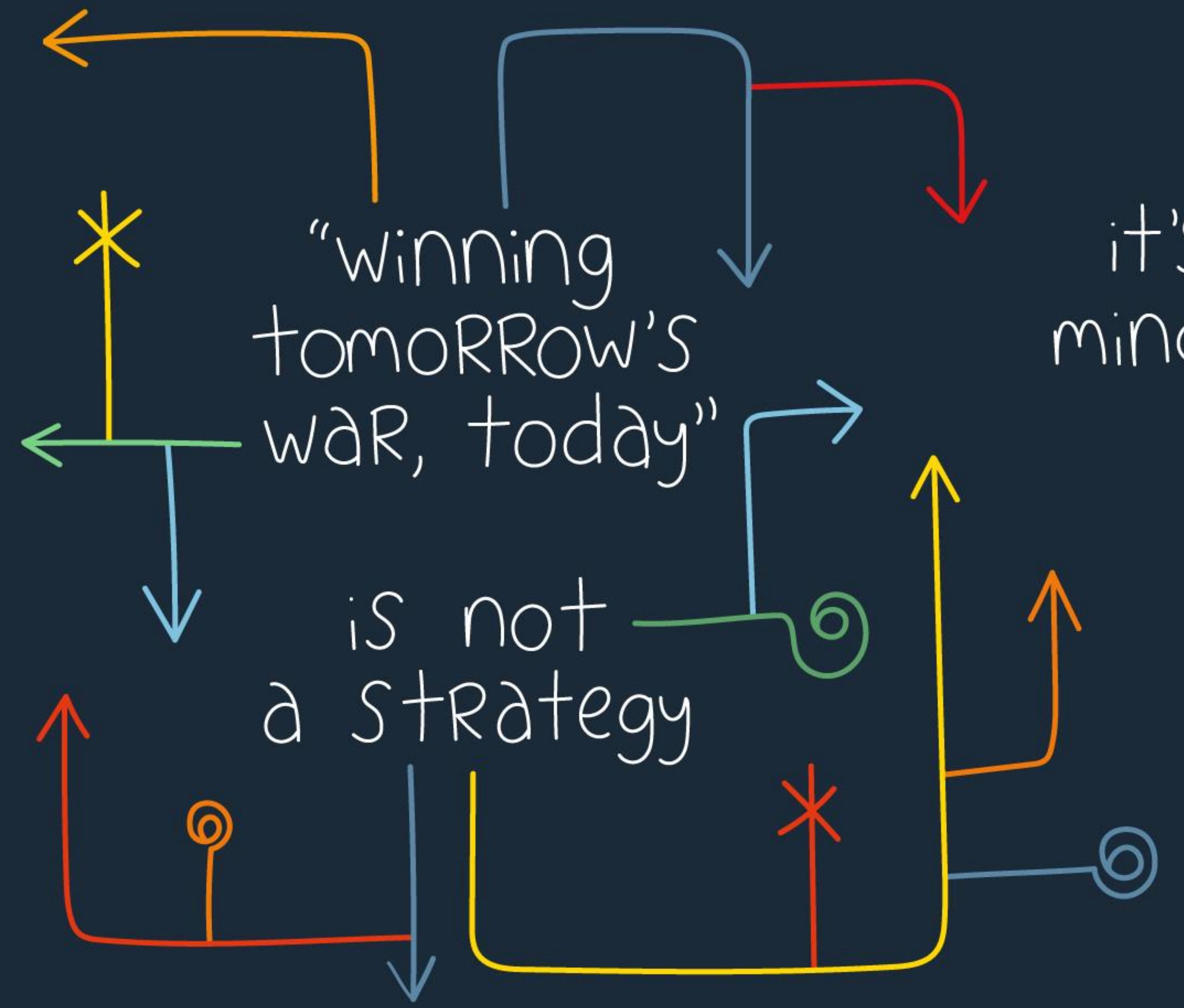
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DAF PEO C3BM, Deputy PEO
12 March 2025

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(Re) Introduction to DAF PEO C3BM







DAF PEO C3BM Mindset

"We are to the joint and combined force what the headsman is to the executioner's ax—willful, disciplined, and premeditated direction of lethal means."



EXTREME TEAMING • RUTHLESS FOCUS • VIOLENT EXECUTION



DAF PEO C3BM Values



EXTREME TEAMING • RUTHLESS FOCUS • VIOLENT EXECUTION



DAF PEO C3BM Portfolio



DAF PEO C3BM

DAF Integrating PEO for Command, Control,
Communications, and Battle Management (C3BM)



DAF BATTLE NETWORK Technical Architecture

DAF PEO C3BM Architecture & System Engineering (ASE)

Air | Space | Maritime | Land* | Homeland Air Defense*



C2ISR

Distributed Common Ground Station (DCGS)

Extended Tether Program (ETP)

Global Command & Control System – AF (GCCS AF)

Integrated Broadcast Service (IBS)

EOD Info Management System



Kessel Run

All Domain Common Platform (ADCP)

Command & Control Incident Management Emergency Response Application (C2IMERA)

Kessel Run All Domain Operations Suite (KRADOS)

Kessel Run Air Operations Center

Kessel Run Targeting & Geospatial Intelligence

Kessel Run Modeling & Simulation



Airspace Mission Planning

Mission Planning Systems (MPS) Weapons

MPS Mobility Air Forces (MAFPS)

MPS Joint Precision Air Drop System (JPADS)

MPS Core Mission Planning (CMP)

MPS Combat Air Forces & Global Strike (CAF-GS)

MPS Agile Global Mobility & Special Missions (GMSM)



ABMS

Aerial Networking (Phalanx Griffon, Hybrid SATCOM)

Air Base Air Defense System (ABADS)

Cloud Based C2 (CBC2), BCS-F & Common BMC2 Interface

DAF Integrated Fires Command & Control (DIFC2)

Digital Infrastructure (Fixed, Deployable, Remote, Network)

Distributable Battle Management Node (DBMN)

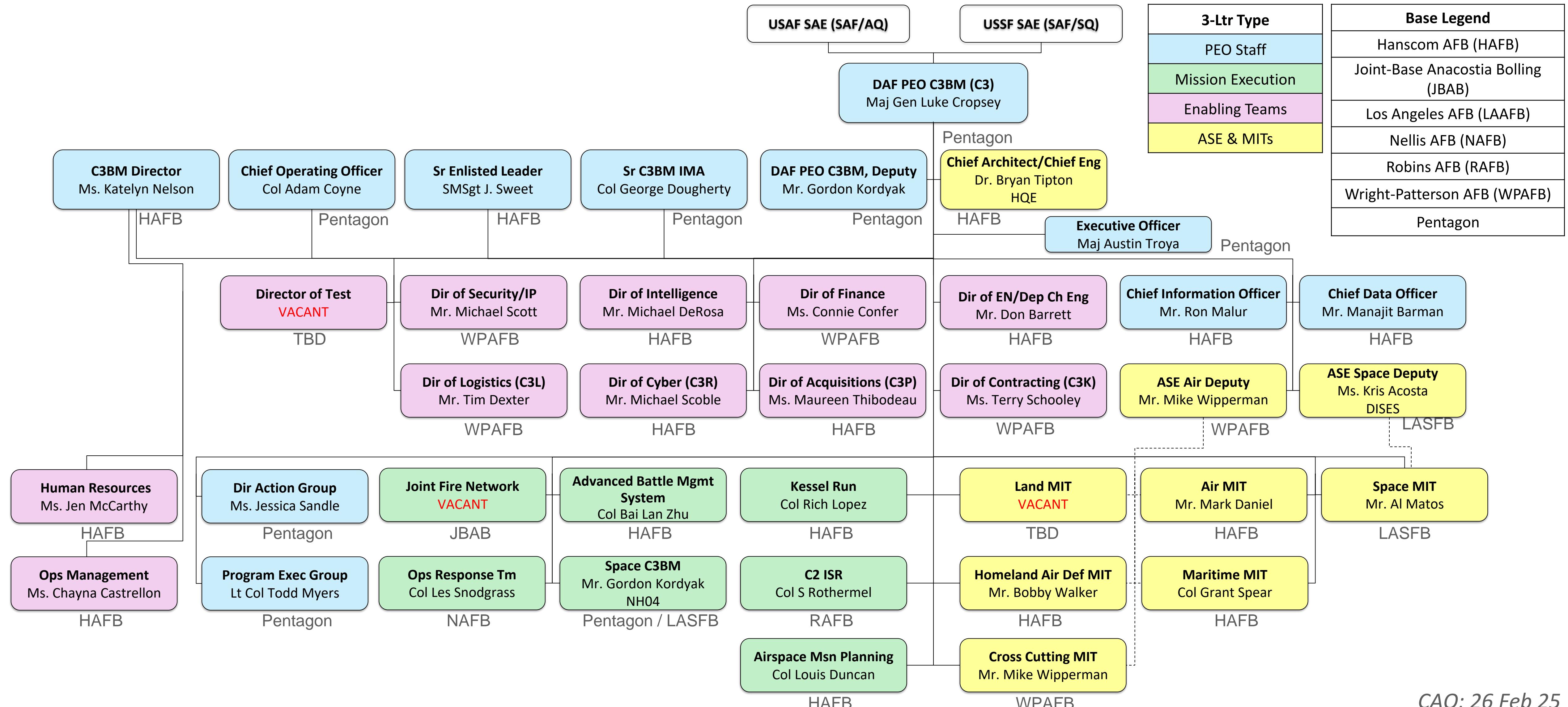
Control & Reporting Center (CRC)

* Future

EXTREME TEAMING • RUTHLESS FOCUS • VIOLENT EXECUTION

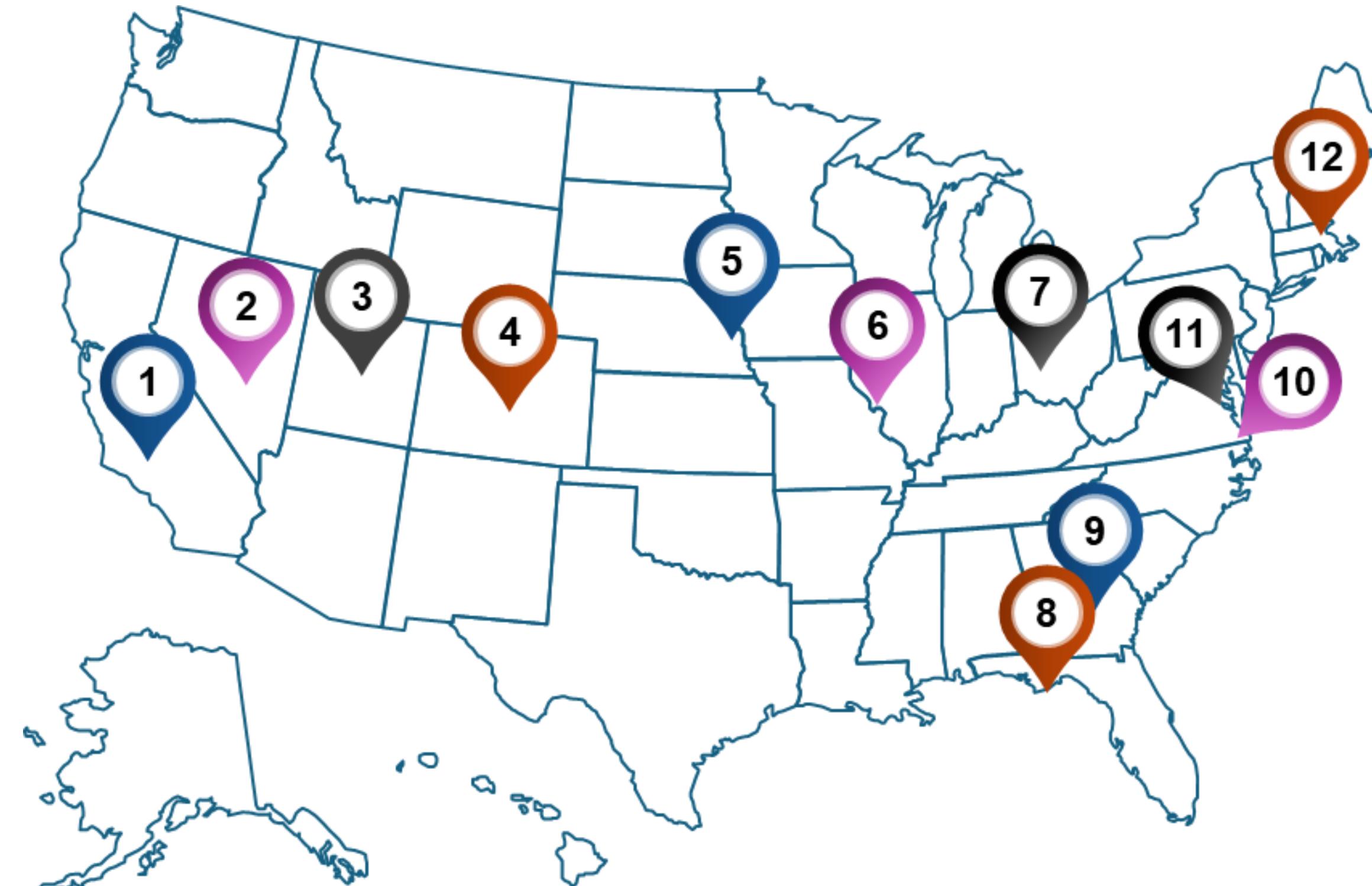


DAF PEO C3BM Leadership





C3BM Locations



1	Los Angeles SFB
7	Wright-Patt AFB
2	Nellis AFB
8	Eglin AFB
3	Hill AFB
9	Robins AFB
4	Peterson SFB
10	Nat'l Capitol Region
5	Offutt AFB
11	JB Langley-Eustis
6	Scott AFB
12	Boston / Hanscom AFB



DAF PEO C3BM Community

As the USAF “DAF BATTLE NETWORK” Integrating PEO,” C3BM partners across the USAF and USSF to technically drive and integrate, as well as lead programmatically assigned, inter- & intra- Air/Space C2 & Battle Management activities to deliver resilient decision advantage for the Joint and Coalition fight!



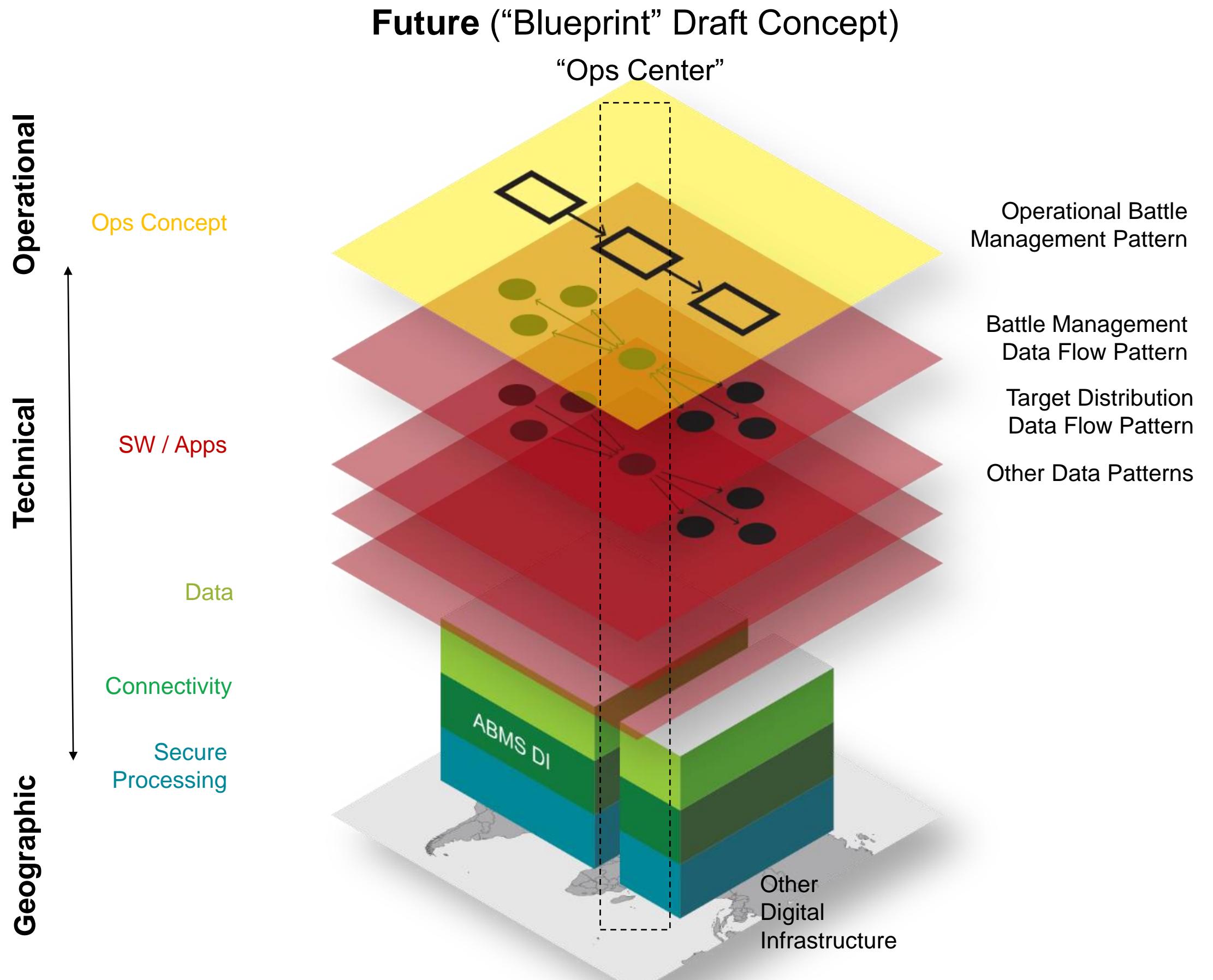
Defining the DAF BATTLE NETWORK

*It's Time for the
Ultimate DBN Play!*





What is the DAF BATTLE NETWORK?



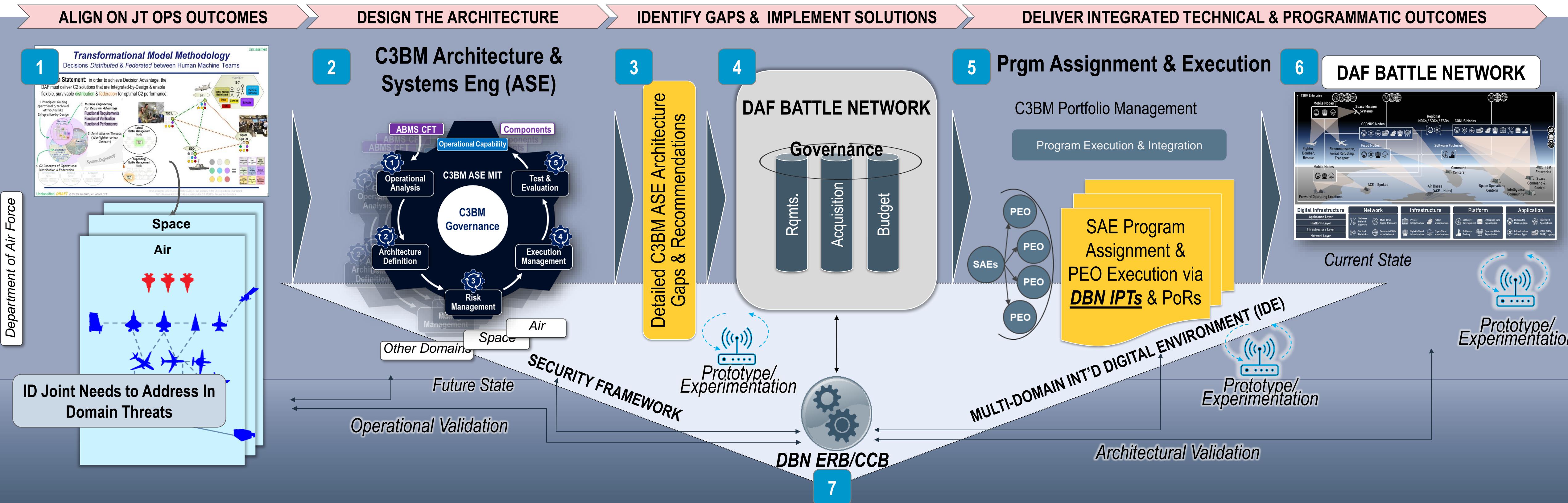
- **The DAF BATTLE NETWORK is “The Stack” generalized into 4 categories:**
 - Secure Processing / Digital Infrastructure
 - Software / Applications
 - Connectivity
 - Data





DAF BATTLE NETWORK

Portfolio Integration Methodology





How to Deliver the DAF BATTLE NETWORK

C3BM seeks to integrate the larger stakeholder community around interoperable solutions to deliver the DBN

The Challenges

- 1. Horizontal Integration:** Creating a mechanism to integrate at a DAF BATTLE NETWORK system-of-systems level
- 2. Complexity:** Shifting complexity off the individual and onto the organization
- 3. Value Flow:** Driving programmatic content via DBN architecture in a systematic way
- 4. Scale:** Managing information flow to our vast stakeholder network at speed
- 5. OT&E:** Leveraging consistent venues for knowledge-sharing to unleash the full potential of the organization

The Change

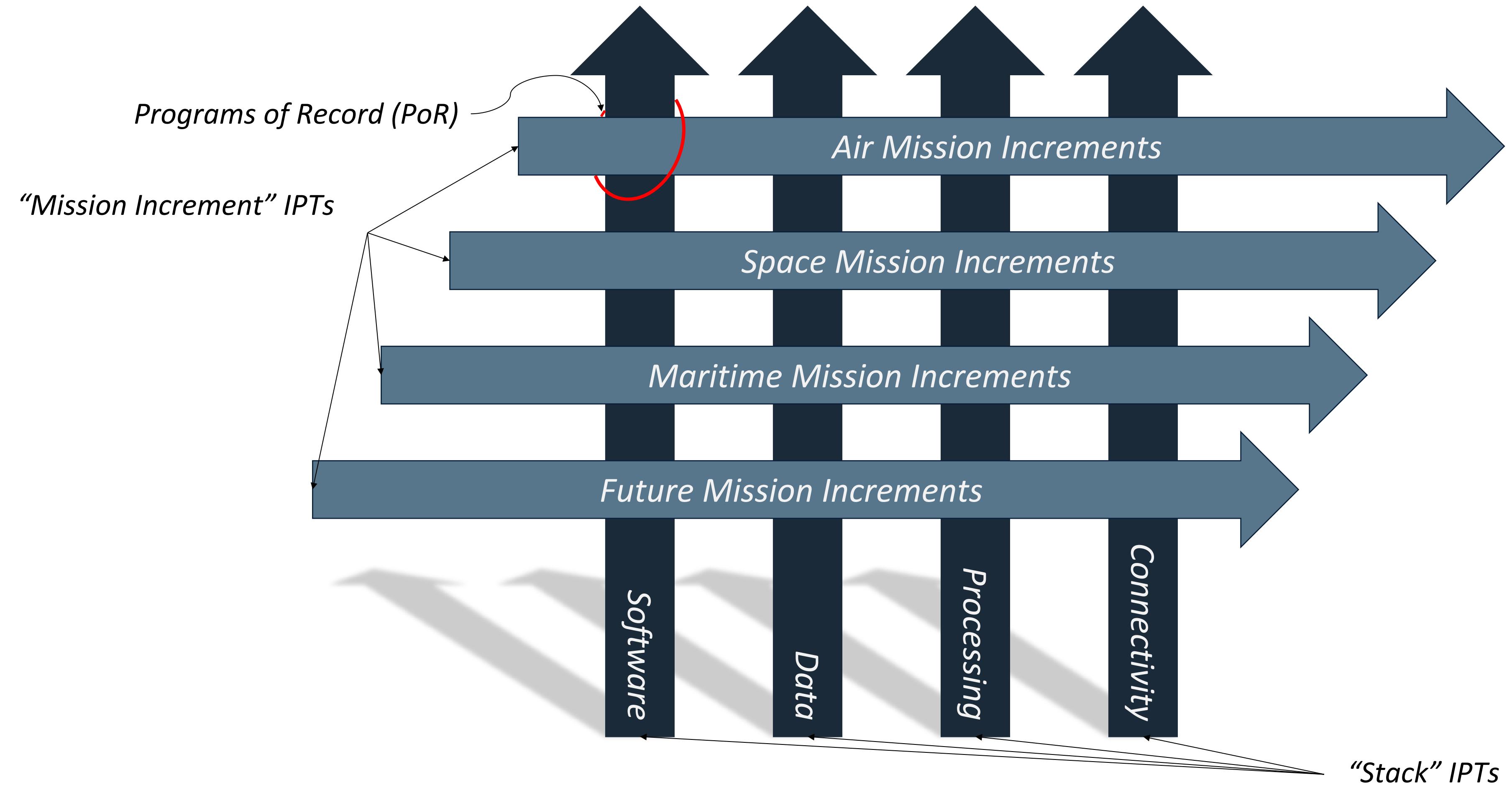
Establishing Integrated Product Teams (IPTs) to:

- Create a battle rhythm for implementation planning and synchronization
- Integrate the mission engineering work and system architecture strategies with the programmatic delivery



How to Deliver the DAF BATTLE NETWORK

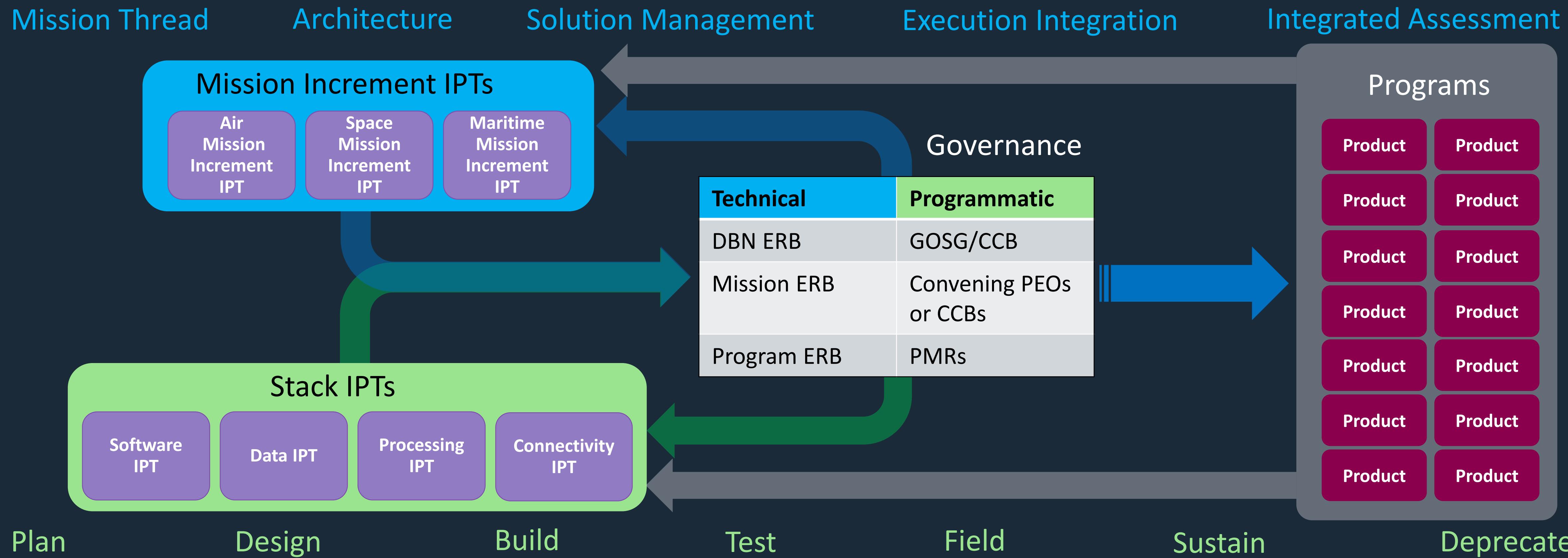
USAF & USSF Led IPTs Translate Architectures into Achievable Incremental Capability Deliveries Turning...
Architectures → Functional Decomposition → System-of-Systems → PoR Capabilities





DBN IPT Value Flow Model

Mission Teams

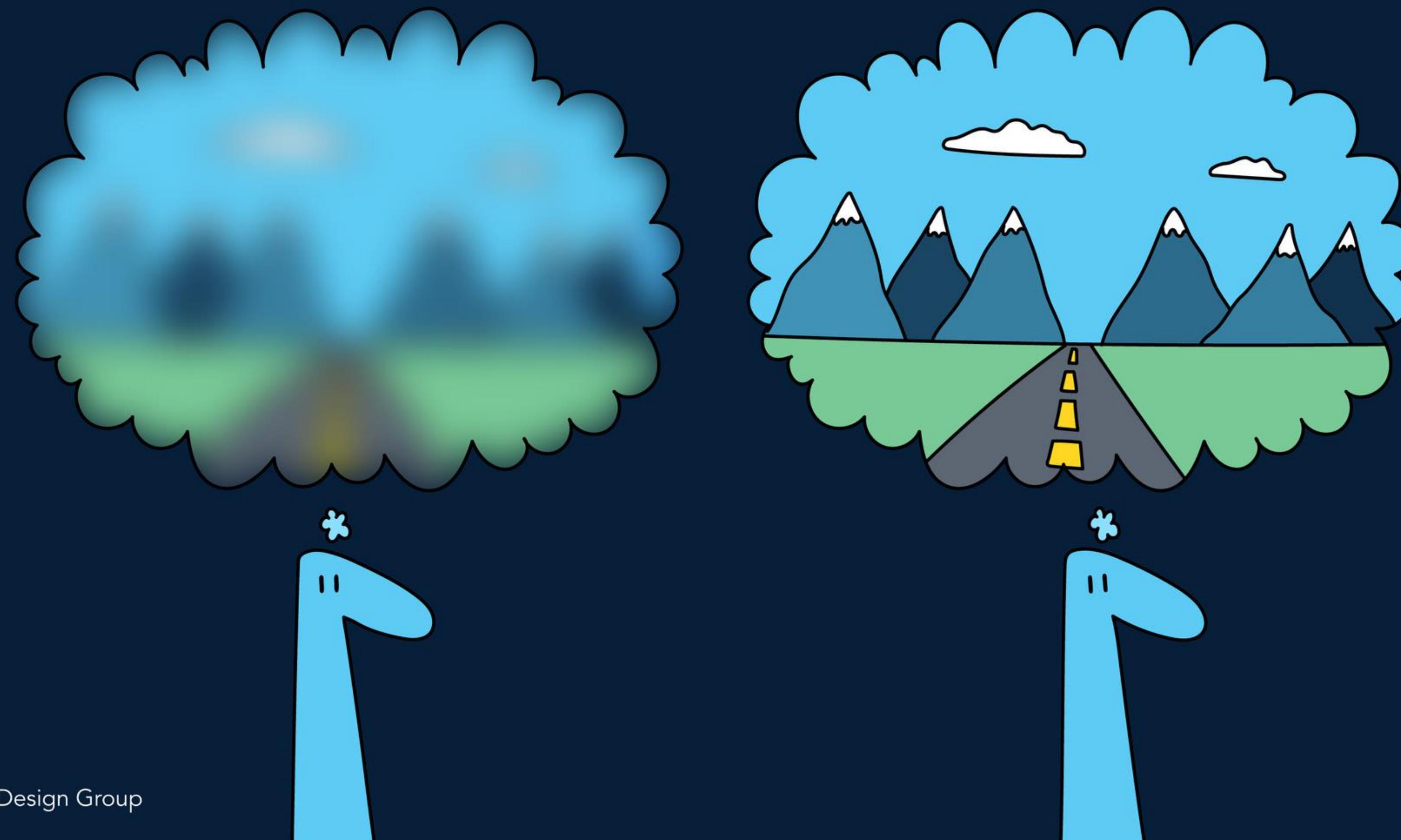


Acquisition Teams

Delivering the DAF **BATTLE NETWORK**



the more detailed the vision
the easier it is to realize





- Align on the operational problem to be solved – mission over function
- “Thin Slice” the product delivery
 - “Big Bang” acquisitions is out
 - Simple, working systems, are in
 - Enabled by very rapid, iterative product deliveries (e.g. SWP)
- Modularize the design
 - Reduce the number of interdependencies
 - Target threat and technology clock-speeds
 - Create “composable” systems
- Tight coupling between ops, acquisition, and resourcing required
 - Complexity precludes accurate predictions of future
 - Requires robust experimentation between ops and acquisition
 - Resources must be managed at the same level as the system-of-systems

System-of-Systems
Architecture Must Beat
Individual Systems For
Success!



DAF PEO C3BM 2025 Priorities

Strategic Anchor

Objective

End-States

**Weaponize
the
Enterprise**

Obj 1.
Integrate the
Technical
Process

- C3BM **Core Processes are defined and implemented** to link DBN technical requirements to product delivery
- C3BM **DBN governing forums stood up** and in execution
- DBN **Stack and Mission Integration IPTs are formally established** across the DBN Enterprise to address key technical and program integration challenges

**Close the
Pacing
Challenge
Mission
Threads at
Scale**

Obj 2.
Sort the
Stack

- A **digital infrastructure strategy** (e.g., network, cloud infrastructure, platform, data, and application layers) equips C3BM to provide mission partners with clarity on what C3BM is building and aligns program investment strategies
- C3BM has **software pathway acquisition strategies implemented** and synchronized across the PEO portfolio
- Solutions & **POAMs for cybersecurity, network operations, and cross-domain solutions** identified

Obj 3.
Streamline
and Scale

- Deliver **ABMS tactical C2 software and resilient digital infrastructure delivery** is scaled to additional operational locations and mission threads; Phalanx Griffon is on track for fielding to key weapon system platforms
- Deliver **Wing & Ops C2 apps (C2IMERA & KRADOS) are adopted** on new modernized and resilient architecture
- Delivery of **weapons planning capabilities** for bomber & fighter aircraft are delivered; delivery of **mission planning software for MAF & CAF platforms** are accelerated; define **TAP-SoS Dynamic Mission Replanning** strategy
- Deliver on **DCGS, ETP, and IBS program commitments** while reorienting to new AI/ML & software pathway strategies
- Integration of **Space C2 & Joint C2 capabilities** into DBN, including new DAF Integrated Fires C2 program



Recent Successes

■ Build the Team

- C3BM Program Guidance Letter signed by SecAF in 2024
- Successfully transitioned 2,500+ personnel into the C3BM “Square Peg” Family across 12 sites
- Hired 2-Ltr Director, Chief Information Officer, Chief Data Officer

■ Close the Pacing Mission Thread

- Delivered Air, Maritime, Space & Cross-Cutting Incremental Architectures
- Assigned as Transition PEO to turn Joint Fires Network prototype into Program of Record
- Awarded Digital Infrastructure (DI) Network Integrator & Phalanx Griffon Integrator (PG-I) Contracts
- ABMS delivered MVCRs to Air Defense Sectors & supported 1st deployment of ABMS supporting CJTF-HOA
- Awarded Kessel Run (KR) CloudCITI 2.0 Bridge & Global Warfighting Cloud Infrastructure efforts
- Demonstrated new Air Mission Planning capabilities for search & rescue as well as integration with USSF UDL
- Awarded efforts to expand C2ISR S/W licensing for key intel fusion capabilities & targeting community collaboration

■ Weaponize the Enterprise

- Hosted FY25 DAF BATTLE NETWORK General Officer Steering Group & Architecture Conference
- Assigned as DAF BATTLE NETWORK Integrating PEO



Command & Control Intelligence, Reconnaissance & Surveillance (C2ISR)

- **What:** ArcGIS - Provides contextual tools through software licenses for mapping and spatial reasoning; offers a unique set of capabilities for applying location-based analysis intelligence missions, gaining greater insights using contextual tools to analyze and visualize data & sharing these insights with others via apps, maps, and reports
- **When:** RFP: 2025 / Award: 2026
- **What:** MultiStream Platform Support, Phase 2 - Continued engineering support for Common Enterprise Infrastructure (CEI), Trusted Manager (TMAN), Mission Planning System (MPS) and the Ground Control Processor (GCP) and related intelligence systems
- **When:** RFP: 2025 / Award: 2026
- **What:** DCGS Signals Intelligence (SIGINT) Field Support - Sustainment responsibilities essential for maintaining DCGS Hardware (HW) and Software (SW)
- **When:** RFP: 2025 / Award: 2026
- **What:** IBS Crypto Modernization - Development of an encryption / decryption device to ingest data reports formatted IAW MIL-STD-188-186 and encapsulated in an IP packet
- **When:** RFP: 2025 / Award: 2026



Kessel Run (KR)

- **What**: Kessel Run Enterprise Software Tools (KREST) - Purchasing and management of enterprise-wide end user software tools
- **When**: RFP: 2025 / Award: 2025

- **What**: C2SET Follow-on - Scalable Modeling & Sim capability for C2 training; modernized capabilities to provide JFACC/CFACC opportunity for Wing Level C2 training on KRADOS WS for AOC operators
- **When**: RFP: 2025 / Award: 2025

- **What**: ASCEND - Cloud, platform, and security engineering services support for ADCP & Office of the CIO; blend of Govt-led / vendor-led teams across IaaS, PaaS and security areas
- **When**: RFP: 2025 / Award: 2026

- **What**: Flight Ops Enterprise Solution - Opportunity to provide the DAF with a Cloud-based enterprise-level (system-of-systems) aerospace readiness tool
- **When**: RFP: 2025 / Award: 2026

- **What**: Joint Targeting Toolbox (JTT) - Develop, field, maintain, and support operations of the JTT software series and support the transition from and deprecation of the fielded legacy JTT-CP S/W
- **When**: RFP: 2026 / Award: 2026



Airspace Mission Planning (AMP)

- **What:** Mission Planning Hardware: Mobile Computer (FY26) - Supply commercial best-in-class 2-in-1 detachable laptop/tablet capable of supporting unique Msn Planning requirements
- **When:** RFQ: 2025 / Award: 2025
- **What:** Mission Planning H/W: Workstation (FY26) - Supply best-in-class commercial tower workstation capable of supporting unique Mission Planning requirements for CAF
- **When:** RFQ: 2025 / Award: 2025
- **What:** Mission Planning Hardware: Mass Storage - Supply commercial best-in-class mass storage device capable of supporting unique Mission Planning requirements
- **When:** RFQ: 2025 / Award: 2025
- **What:** Joint Mission Planning System Baseline Sustainment – S/w sustainment & help desk support for two baselines; facilitate performance improvements / prototyping w/direct aircrew involvement
- **When:** RFP: 2025 / Award: 2025



Advanced Battle Management System (ABMS)

- **What:** Remote Digital Infrastructure (RDI) - Develop, test and field Remote Digital Infrastructure kits, stacks, and gateways to provide additional DI form factor supporting Tactical C2 community stakeholders.
- **When:** RFP: 2025 / Award: 2025
- **What:** TYQ-23A & CDLS – Provide contractor logistics support for the Control and Reporting Center's Tactical Air Operations Module (TYQ-23A) and the Communication Data Link System (TSC-250)
- **When:** RFP: 2025 / Award: 2026
- **What:** Voice Communications – Develop, integrate, and maintain software application for voice communications within a cloud-based system in a connected and disconnected state
- **When:** RFI: 2025 / Award: TBD
- **What:** Battle Management Optimization Software – Develop, integrate, and maintain fused battle management optimization software for BLOS fire and control for specialized targets in the DAF Battle Network
- **When:** Late 2025



2025 DAF PEO C3BM focus:

- Establish technical Review Process
- Sort the Stack
- Streamline and Scale

DBN IPTs Translate Governance into Action

- Mission Increment & Stack IPTs

Deliver to Deprecate

- C3BM will build operational credibility through our ability to deliver on schedule & cost
- Deliver in 2025 to build upon success of 2024



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