



C2 Enterprise Integration

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Vice Commander

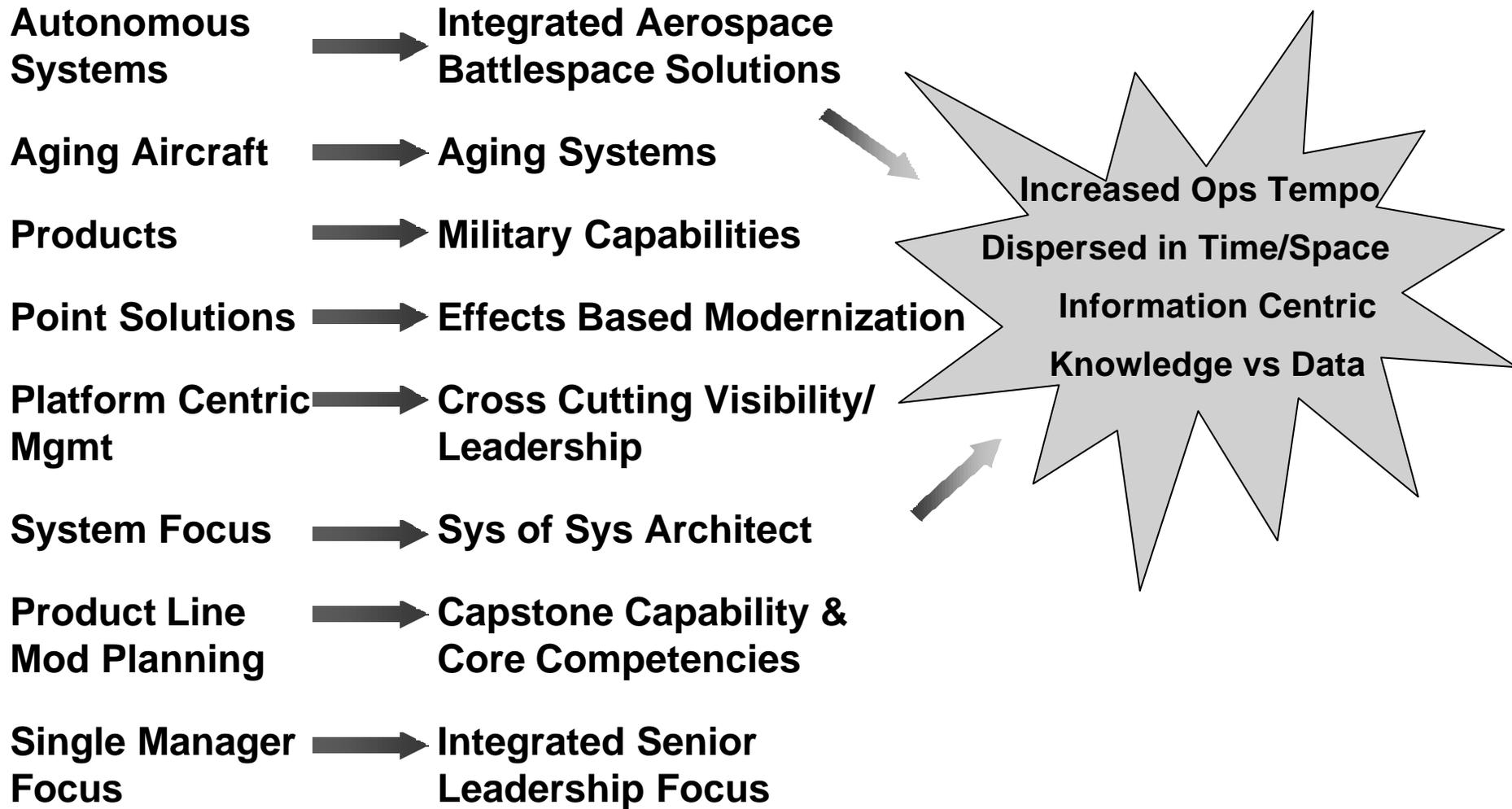
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Why Enterprise Integration?

Changing Warfighter Environment



Environment Requires Effects Based Capabilities



ESC Role in C2 EI

- ♦ **“To ensure C2ISR integration & interoperability issues are effectively addressed, the Electronic Systems Center (ESC) is assigned the lead role and authority for integration of Air Force C2ISR systems. ESC/CC, as the DAC for C2 Enterprise Integration, will direct actions to ensure the integration of C2ISR systems, and to assure their interoperability with Joint and international systems.”**
- ♦ **“ESC will also lead C2 Enterprise Integration planning and identification of required resources to ensure all USAF C2ISR systems are integrated and interoperable within the USAF and DoD C2ISR framework.”**

Lawrence J. Delaney, Asst Secretary of the Air Force (Acquisition), 06 Feb 01

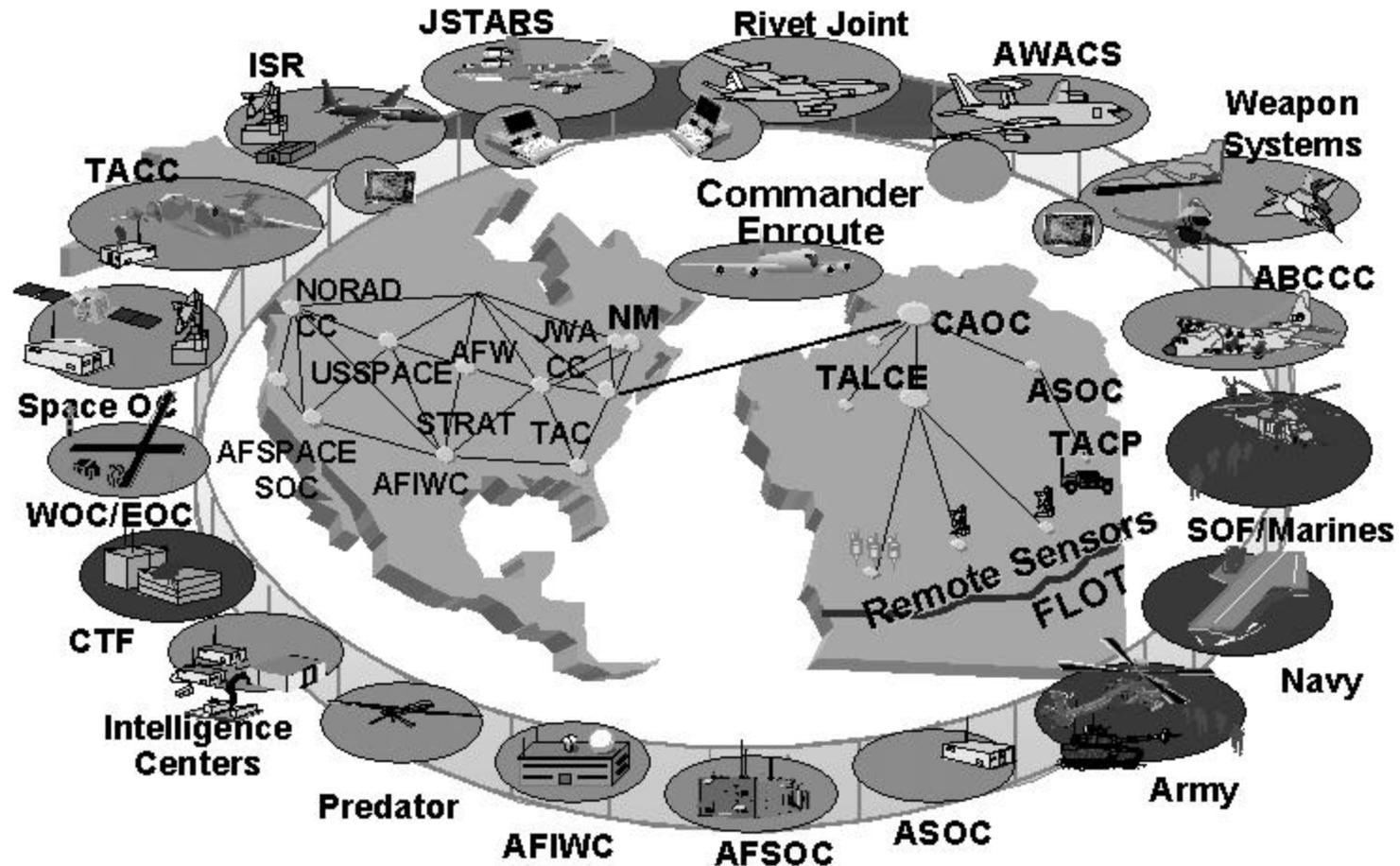


Strategy for Delivering Integrated C2ISR

- ◆ **Nodal Approach**
- ◆ **Architecture-driven/Capability-based**
- ◆ **Integration/interoperability-focused**
- ◆ **Experiment-driven & Evolutionary
Acquisition/spiral Development-enabled**
- ◆ **Modeling and Simulation**



Integrated C2ISR

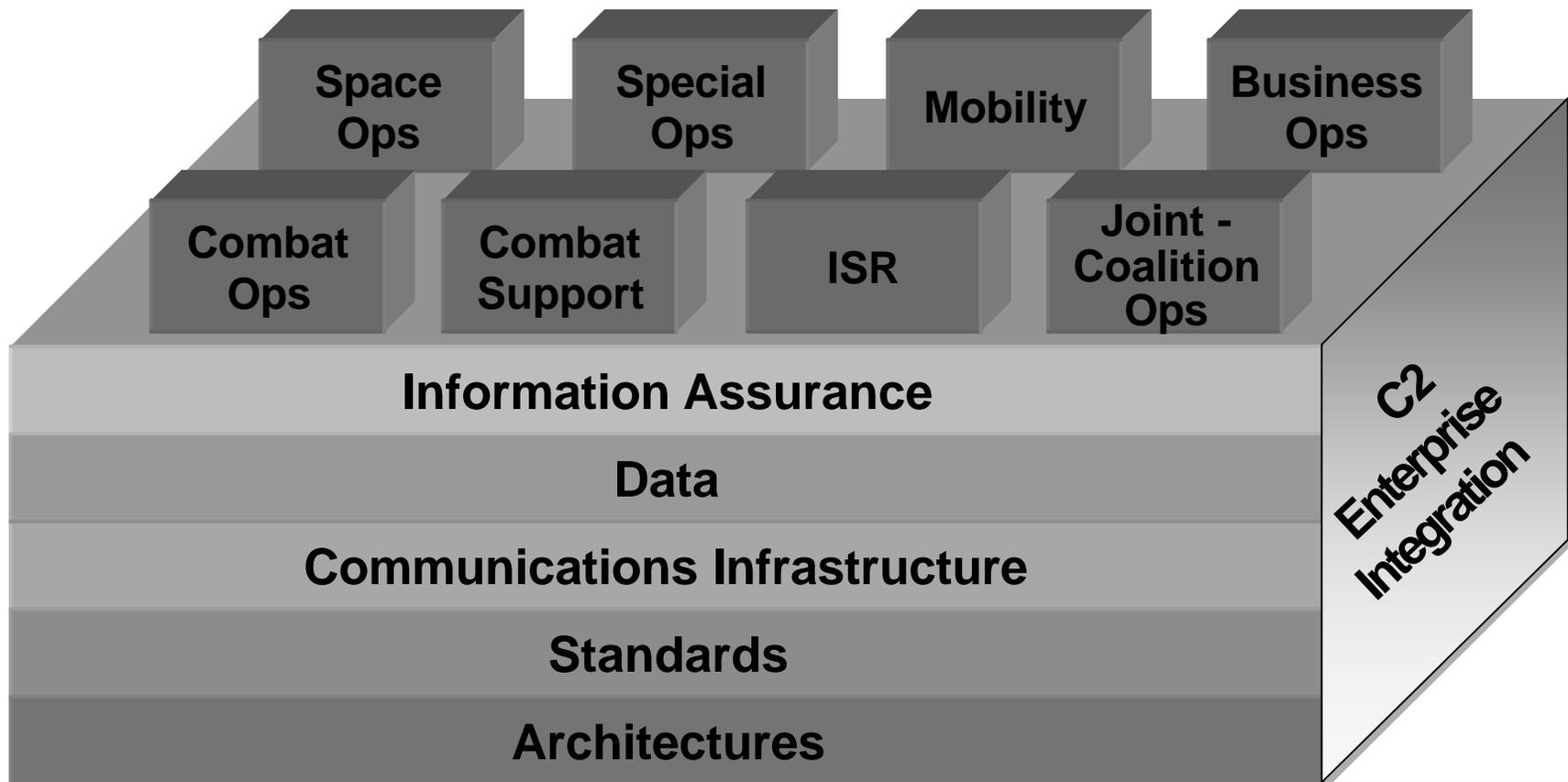


***Efficient & Cost Effective
Decision Quality Information to the Warfighter***



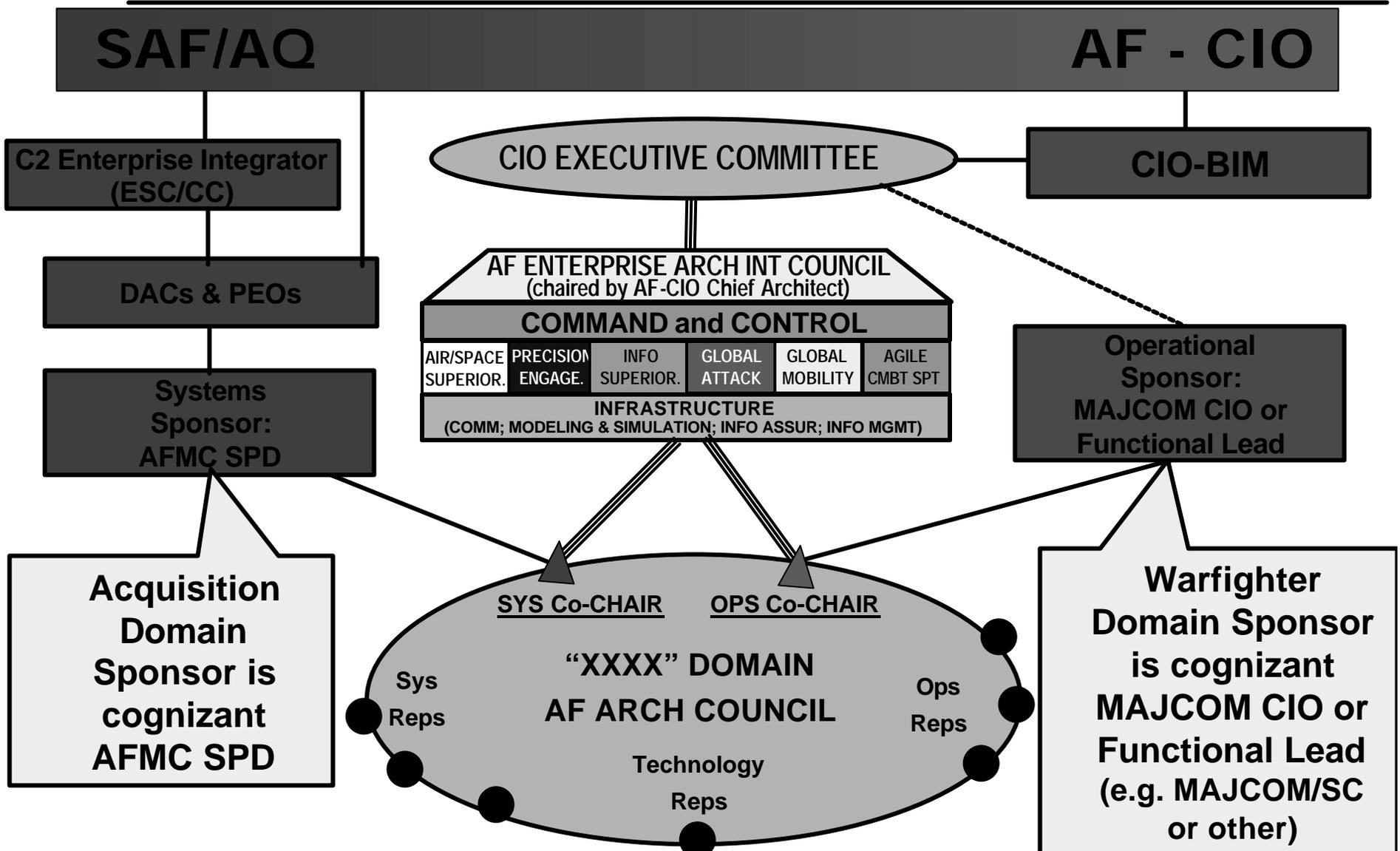
Electronic Systems Center

C2ISR Center of Excellence





Architecture Council Management



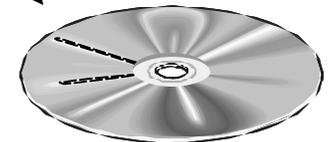
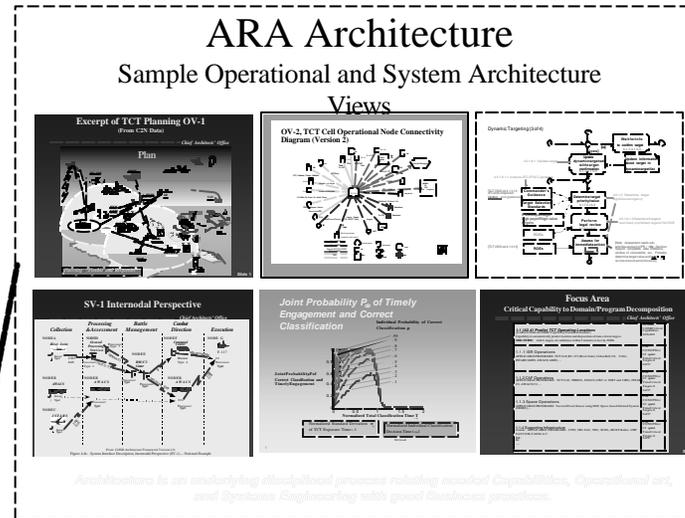


Analysis of Roadmap Alternatives (ARA)

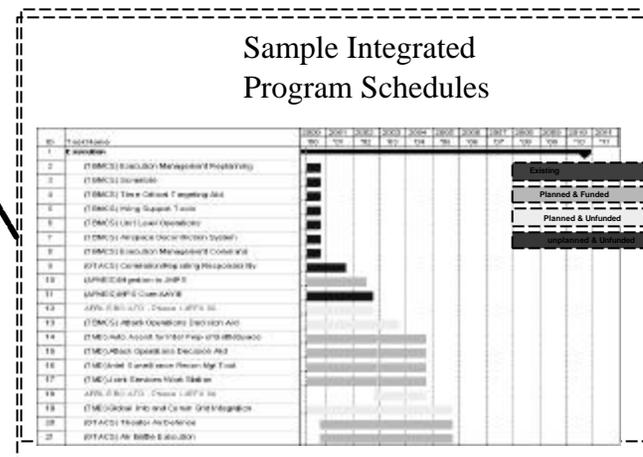
Purpose: Build an integrated, mutually supportive materiel-solution input to the annual C2ISR APOM/POM process

Products: Fully integrated Cross-Program Roadmaps for each Focus Area, backed by Architectures.

Feed Capability Decision Package



**Focus Area
Capability Decision
Package (CDP)
Inputs for
POM/APOM**



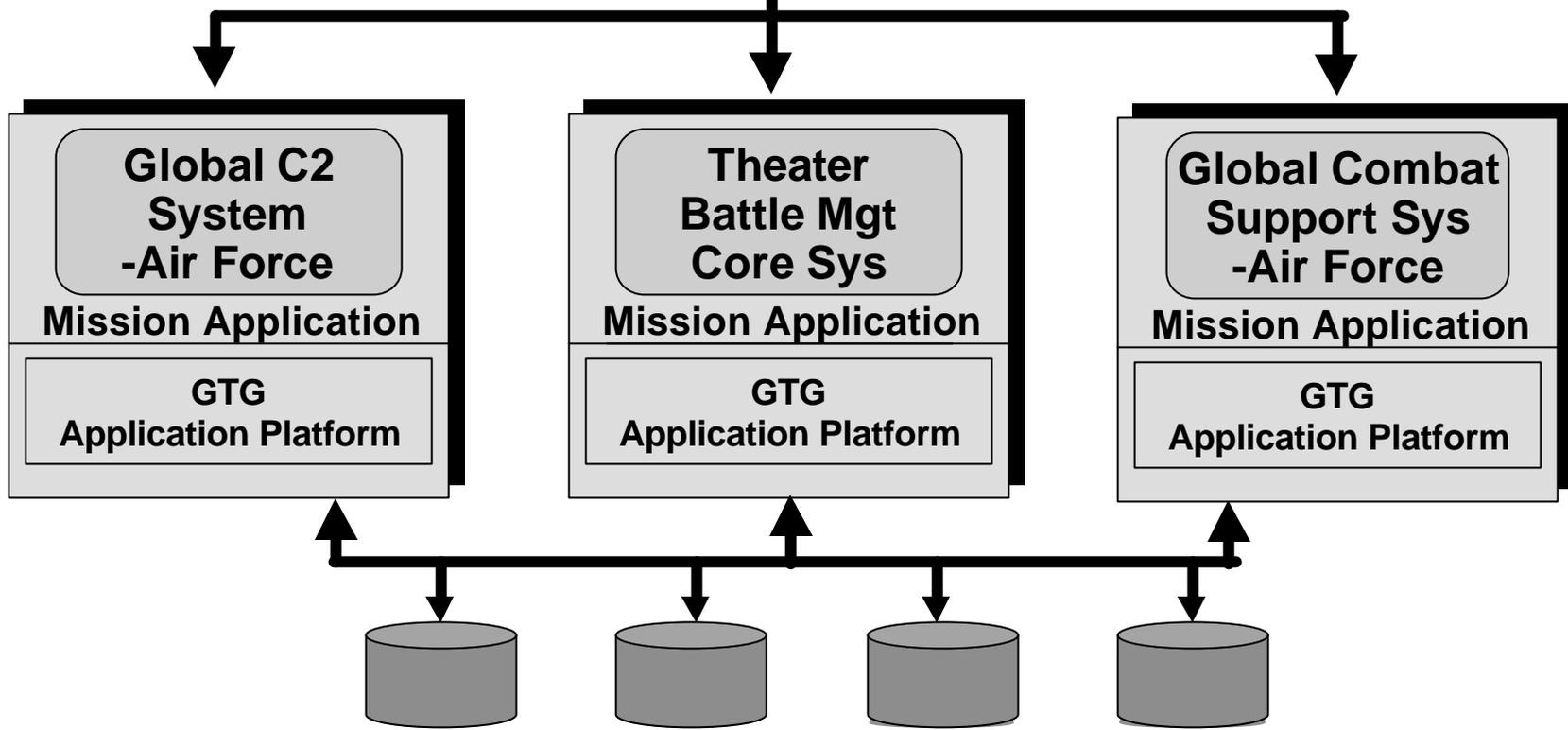


Example: Web-Based Integration

Web-enabled, Integrated IT



Web-Based Clients



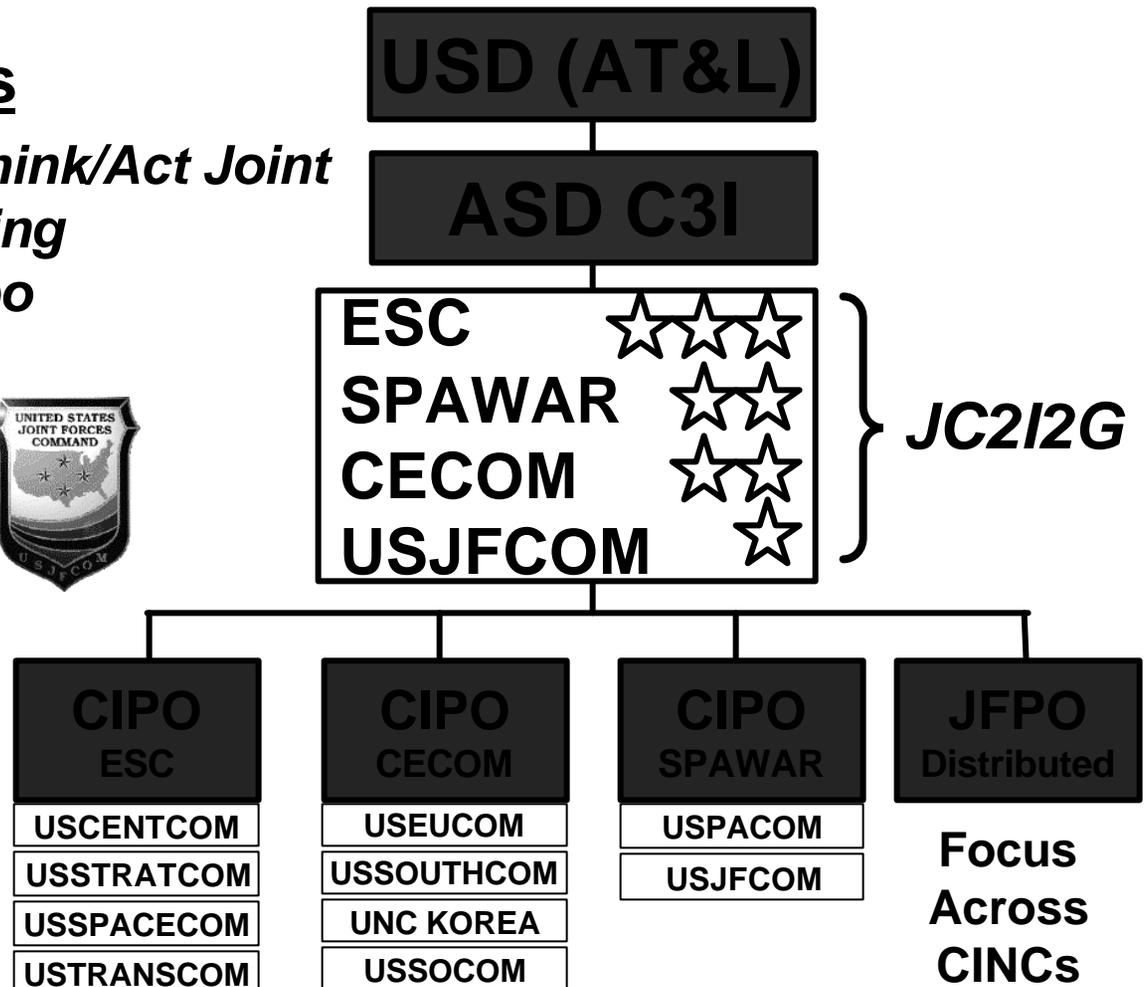
Storage Servers



CINC Interoperability Program Office(s)

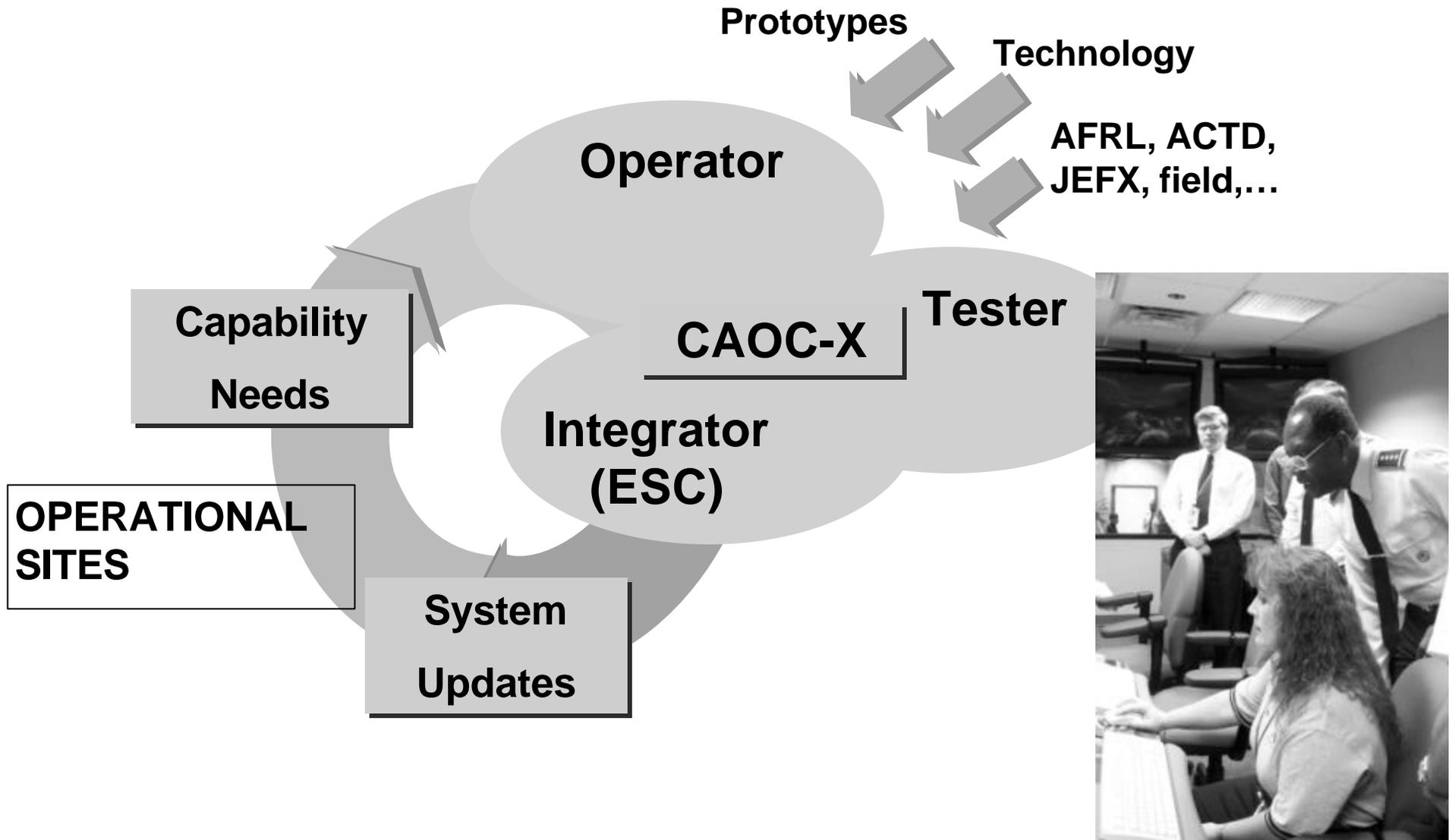
Key CIPO Challenges

- *Getting SYSCOMS to Think/Act Joint*
- *Joint Acquisition Teaming*
- *Embed CINC Ops Tempo*





Combined Air Ops Center Experimental

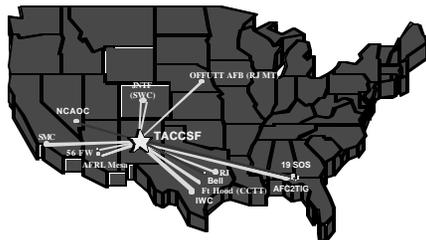




Analysis Using Synthetic Battlespace

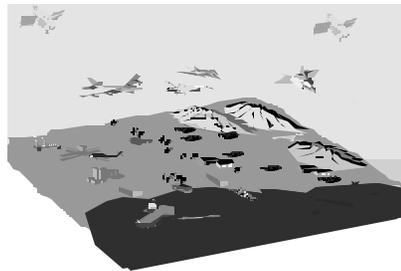
- ◆ **Immerses Acquisition Process Into Warfighter Environment**
 - Quicker Fielding – Avoid Redesign/Mistakes
 - Cost Avoidance – Total Systems Savings
 - Improved Product – Better Design/Operator Interfaces

WARFIGHTER



- Training
- Mission Rehearsal
- Ops Definition

SYNTHETIC BATTLESPACE



- Repeatable
- Variable Resolution/Fidelity
- Verified/Validated/Trusted
- Distributed or Standalone
- “Corporate” Infrastructure

ACQUISITION



- Technology Analysis
- Design Trades
- Systems Engineering
- Integration and Test
- Operational Testing



Partnerships for C2 Enterprise Integration

