



Implementing a COI Service

Joint COI Data Implementation

**CAPT Mike Salvato
USJFCOM J68**

**Net Centric Operations, Interoperability & Systems
Integration Conference**

24 Mar 05

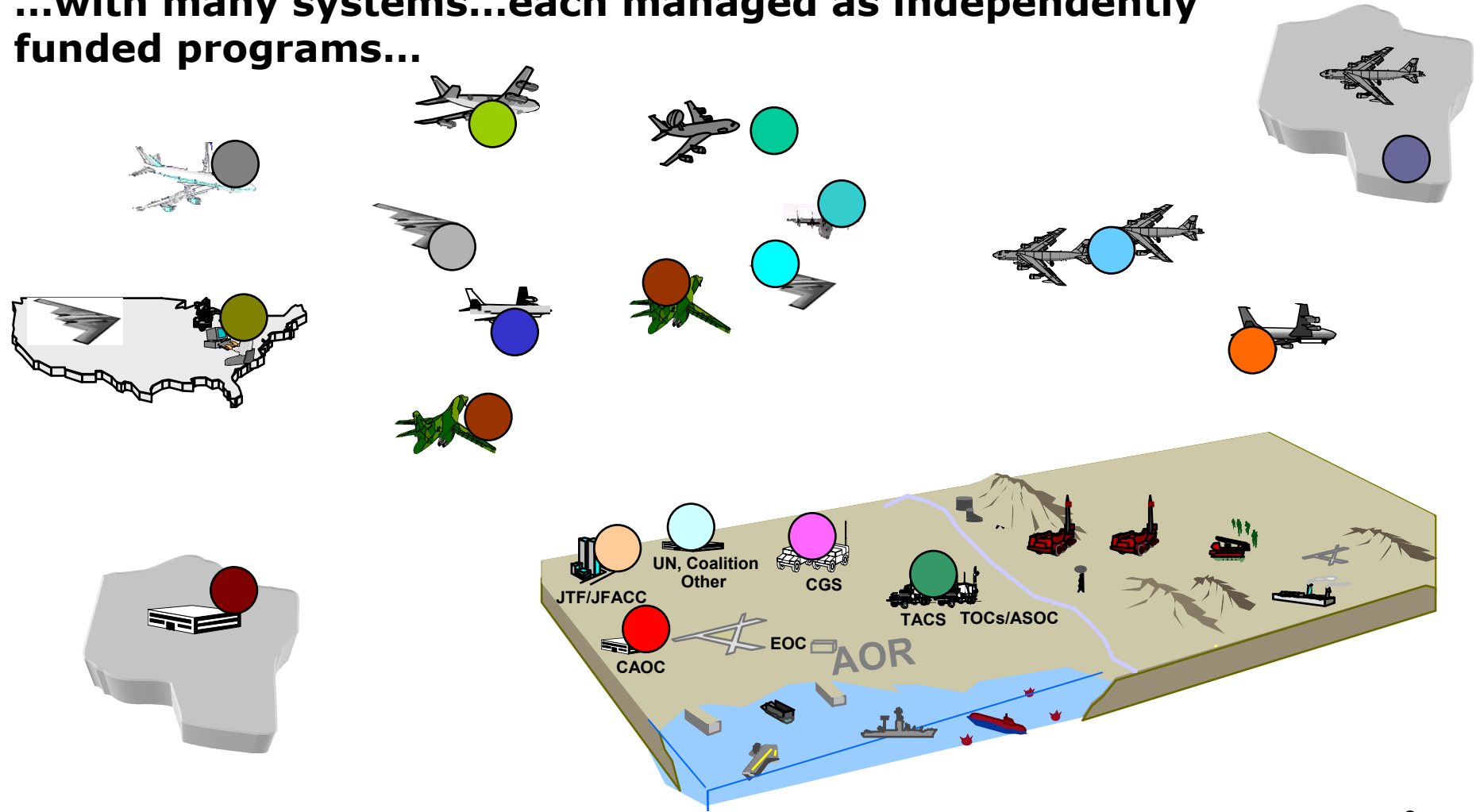
The Joint Battlespace Data Challenge

Many platforms used by multiple services/agencies & coalition partners...



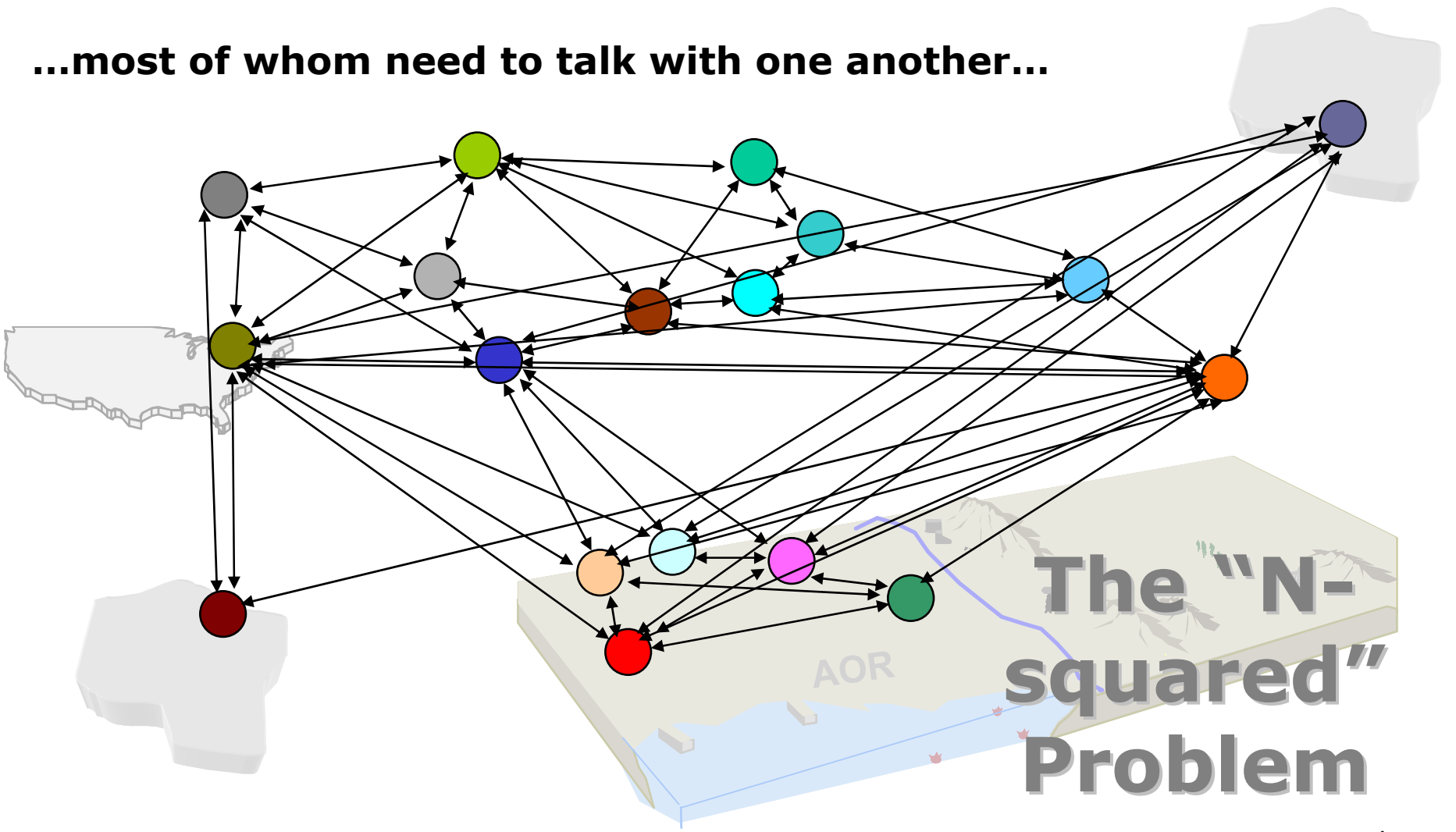
The Joint Battlespace Data Challenge

...with many systems...each managed as independently funded programs...



The Joint Battlespace Data Challenge

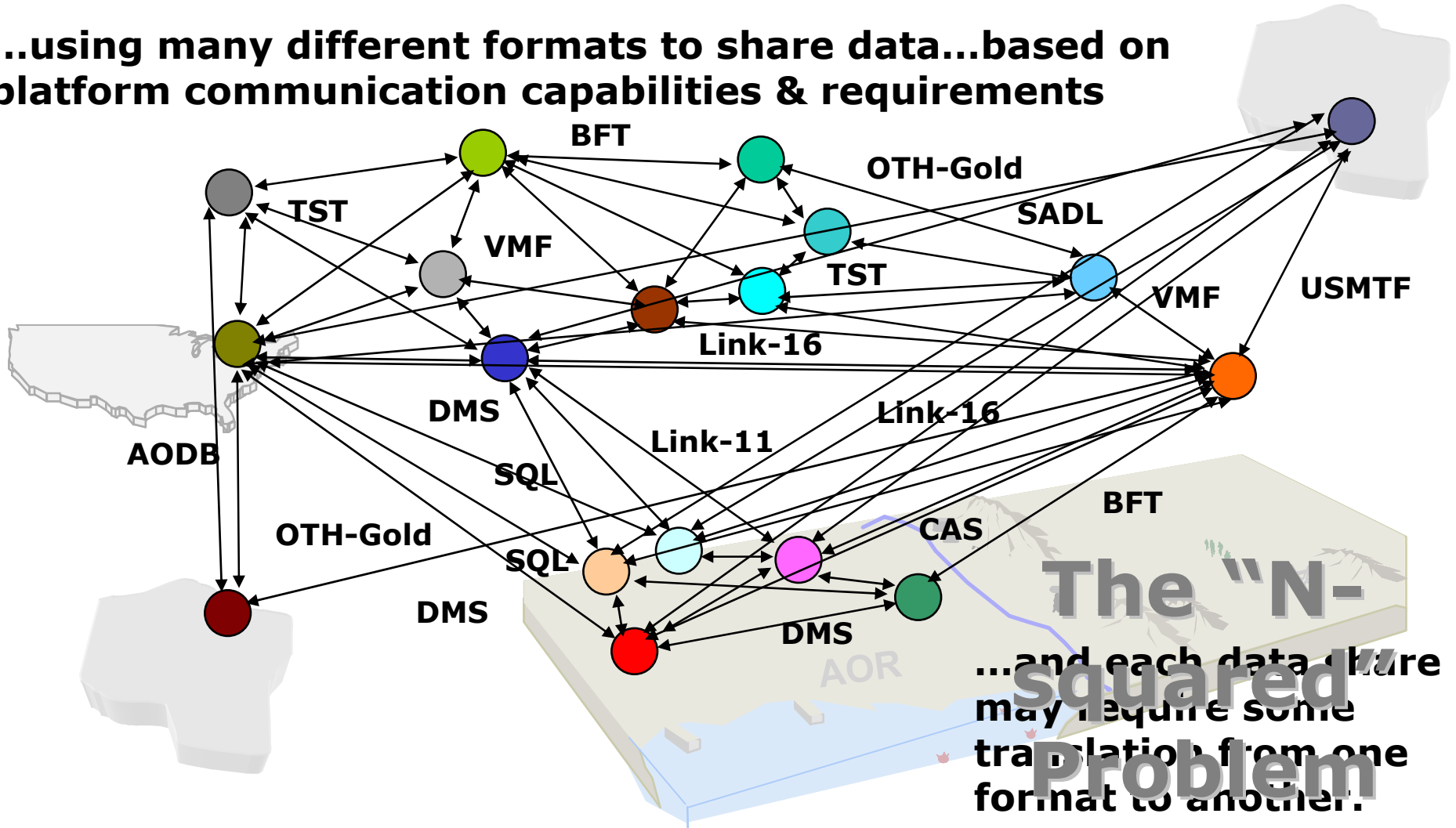
...most of whom need to talk with one another...



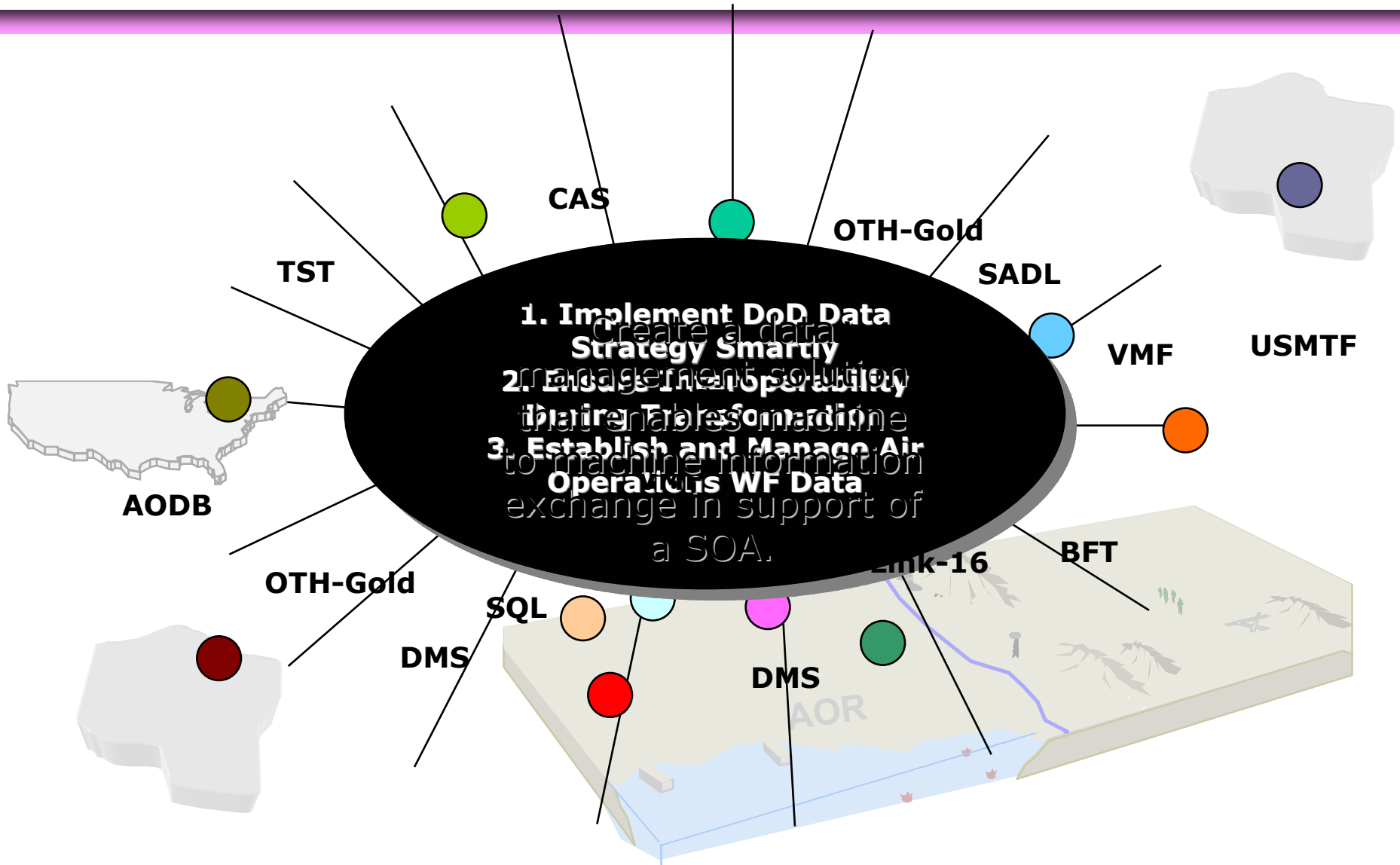
The "N-squared" Problem

The Joint Battlespace Data Challenge

...using many different formats to share data...based on platform communication capabilities & requirements

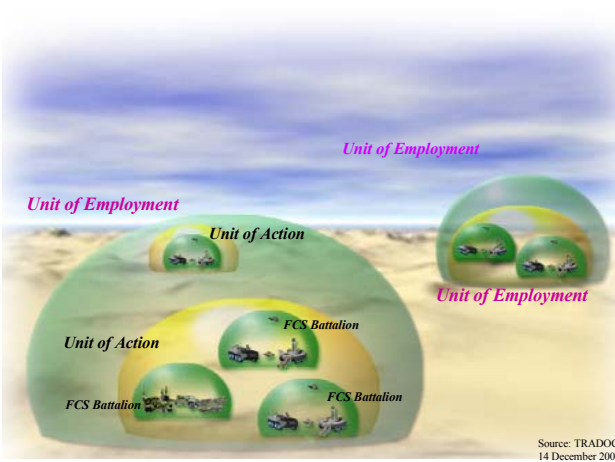


The Joint Data Solution

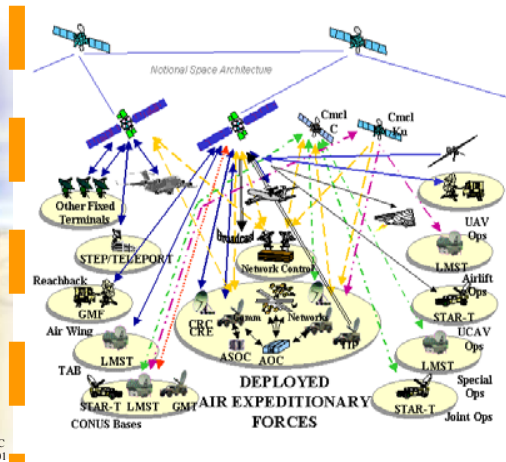


Net-centric Operational Environment

LandWarNet



ConstellationNet



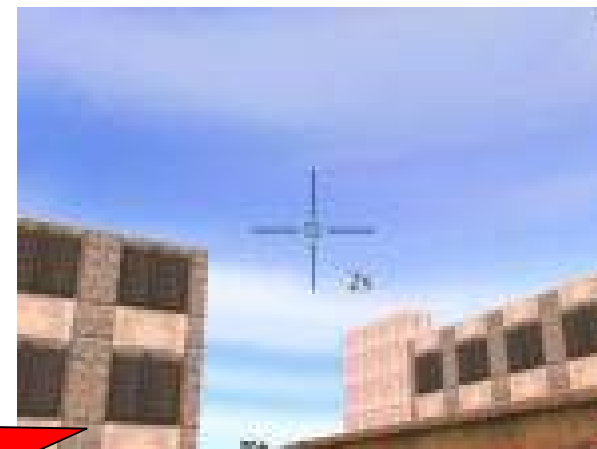
FORCEnet



TSAT, JTRS, GIG-BE, NCES, IA + TELEPORT, JNMS

Advancing ... from ... “point-to-point” to “many-to-many”

Not Just Network Connectivity: Will We Be Blinded by Our Paradigms?



**Which is the
Authoritative Data
Source for
Target Location?**



LtCol Jones

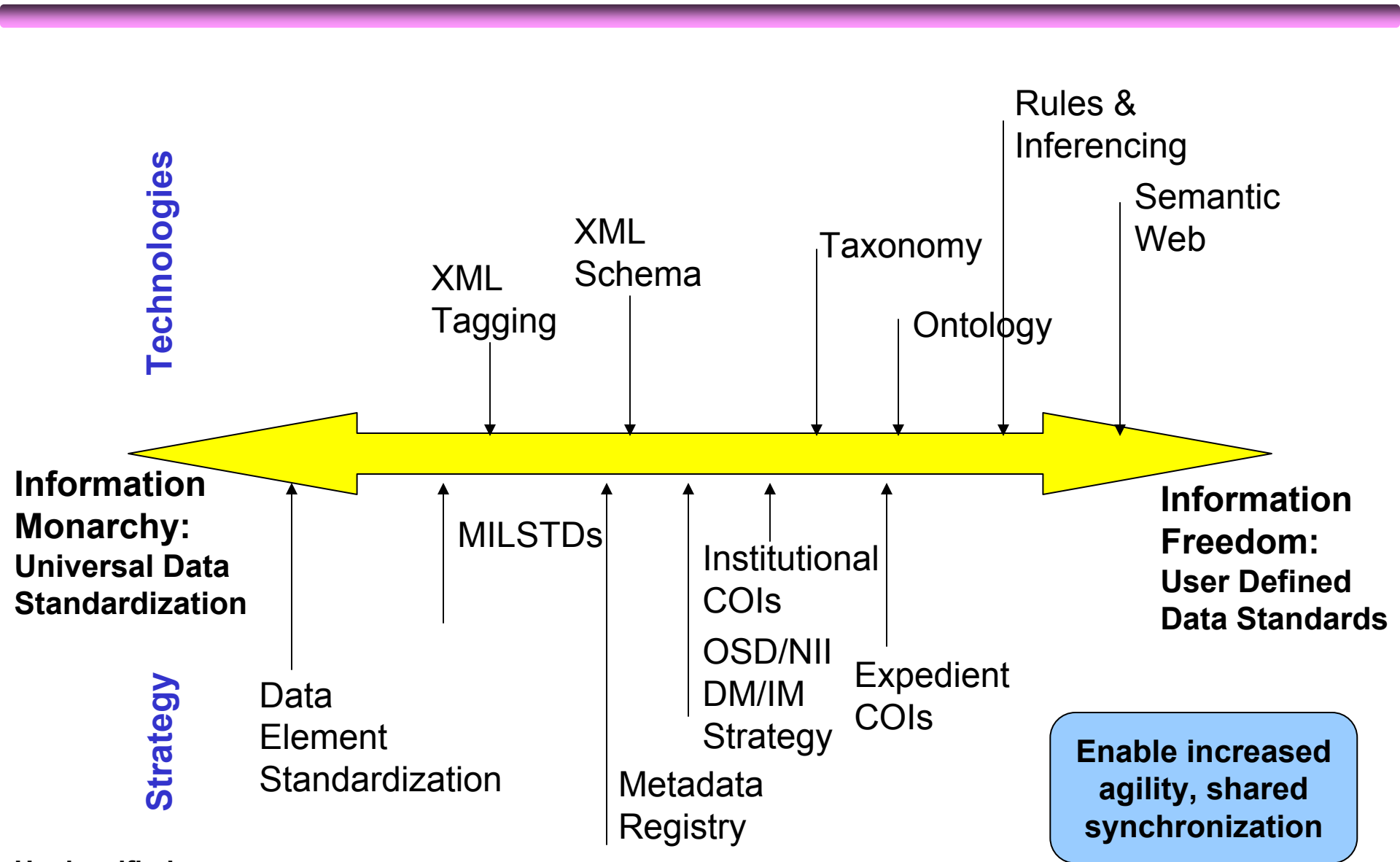
CAOC Watch Officer



GySgt Smith

Forward Observer

Achieving a Balance for Data Interoperability



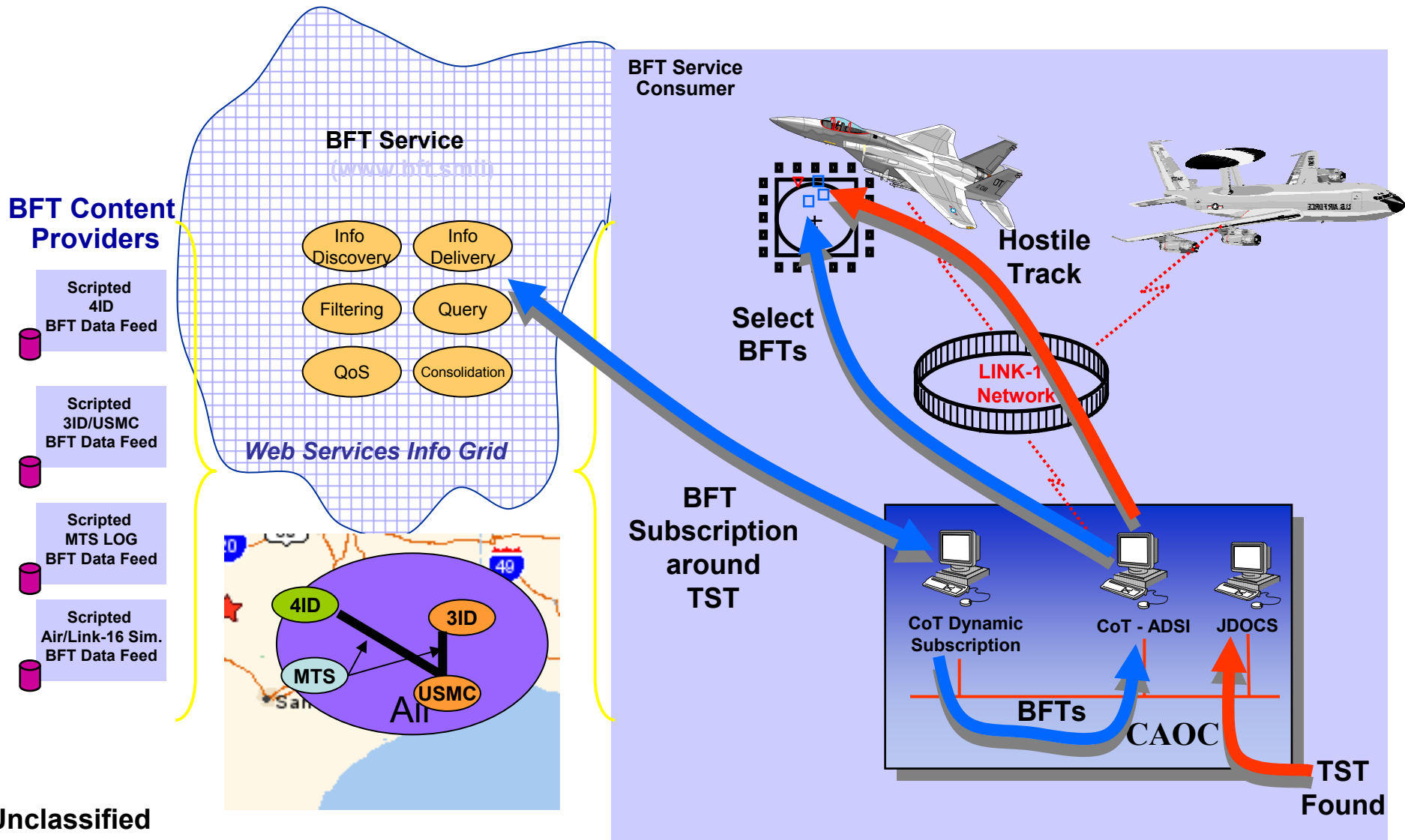
Warfighting Mission Area to Joint Mission Thread Relationship

Warfighting Mission Area Governance Forum = MCEB				
Battlespace Awareness (JS J2)	Force Application (JS J8)	Protection (JS J8)	Focused Logistics (JS J4)	Battlespace Communications (JS J6)
<u>COIs</u> GEOINT METOC ▪	<u>COIs</u> GFM ▪ ▪	<u>COIs</u> Missile Defense ▪	<u>COIs</u> ▪ ▪ ▪	<u>COIs</u> Joint C2 ▪ ▪
JBMC2 Joint Mission Threads Governance Forum = JBMC2 BOD				
	<ul style="list-style-type: none"> • JCAS (BFT COI) • Joint Ground Maneuver • Time Sensitive Targeting (TST COI) • Joint Integrated Fires 	<ul style="list-style-type: none"> • Integrated Air/Missile Defense 	<ul style="list-style-type: none"> • Focused Logistics 	<ul style="list-style-type: none"> • Joint Task Force (JTF) C2

COI Task Management: Blue Force Tracking Pilot (Draft)

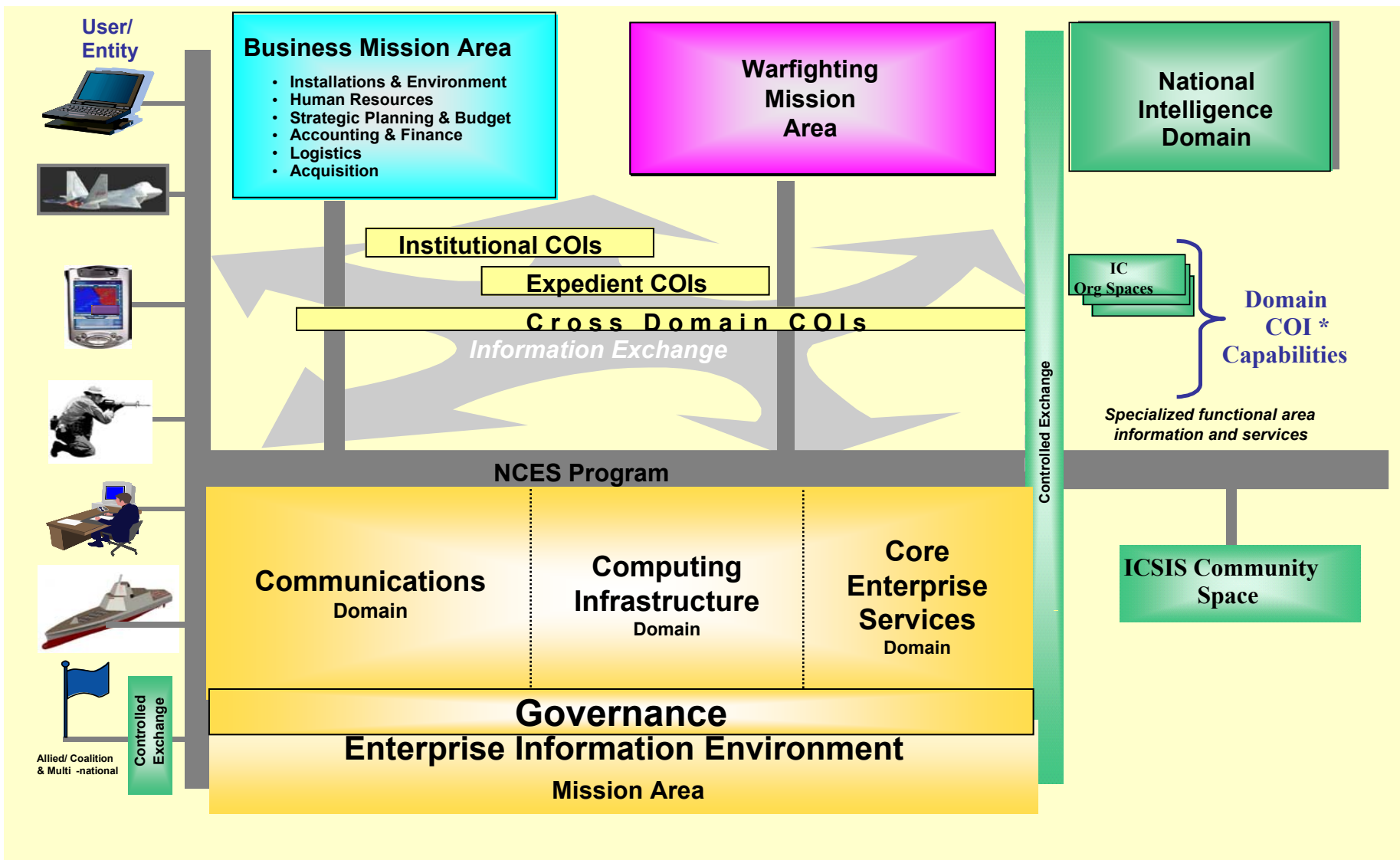
- Build joint vocabulary and XML schema
- Identify authoritative sources compliant with Discovery Meta Data Specification
- Define interface for joint participants to advertise, post and subscribe in a net centric environment
- Use NCEC Core Services
- Advertise and post information
- Consumers subscribe/query and develop appropriate integration into their C2 applications

BFT Service in a TST Scenario

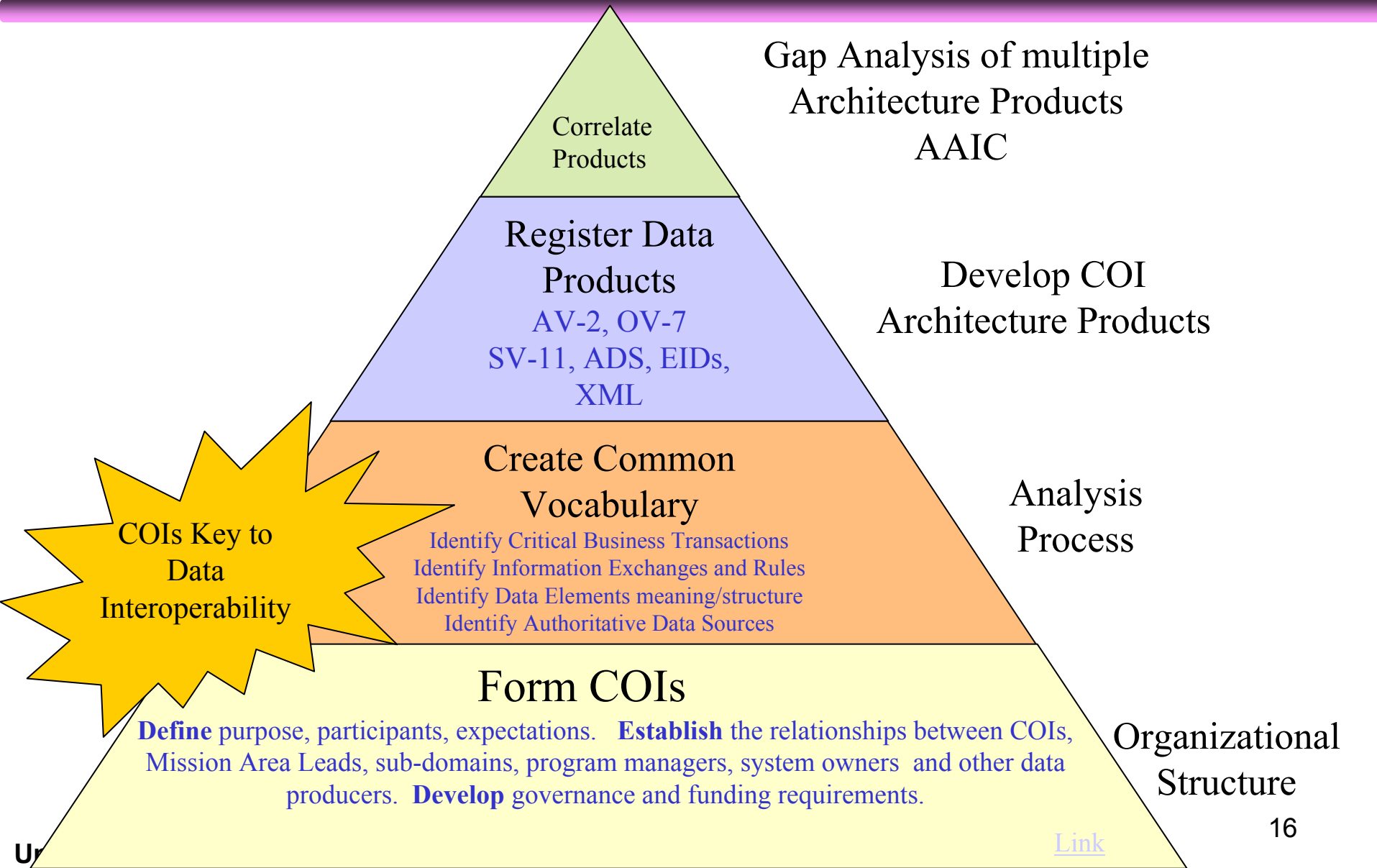


Backup

GIG Enterprise Services Holistic View



Building Toward Shared Data Interoperability



Joint COI Implementation

Service Lead

- ID/prioritize info activities
- Develop/use capabilities
- Champion capabilities to PMs
- Oversee technical approaches

USJFCOM Data Strategy Implementation Team

- Provide COI liaisons
- Technical advice and guidance
- ID Service OPRs
- Synchronize COI efforts

COCOMs/Services/Agencies

- Provide Operators and Technical SMEs
- ID existing/planned info activities
- Incorporate COI capabilities programs
- Synchronize technical approaches