



Establishing a Community of Interest (COI) for Global Force Management


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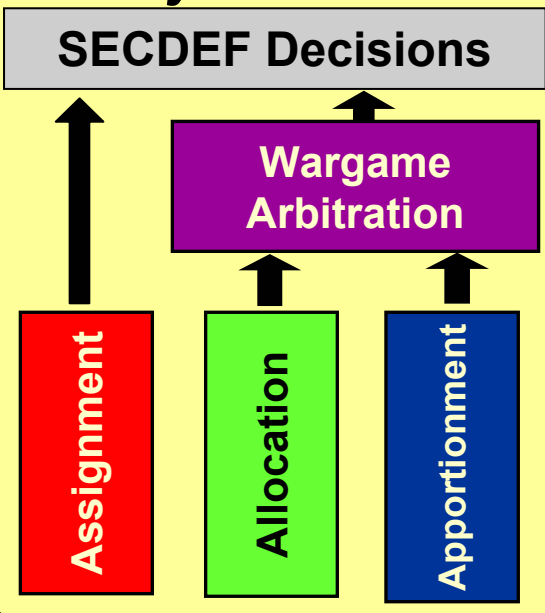
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10th ICCRTS, McLean, VA - 15 June 2005

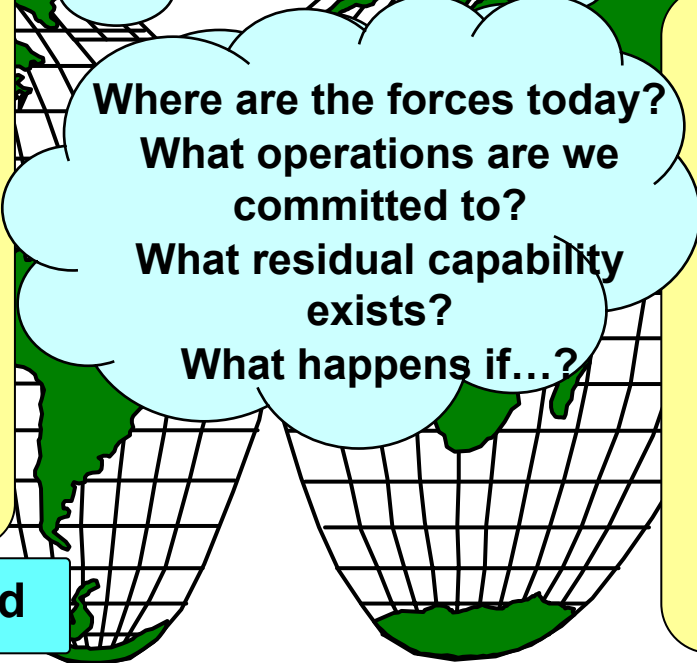
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- a. A Community of Interest (COI) Should Be Created To Solve A Problem.***
 - b. The Global Force Management Data Initiative's (GFM DI) Scope Is Enterprise Wide, Making It A Special Challenge For A COI.***
 - c. COI Representatives Fluctuate As The Solution Evolves***
 - d. Vision Without Funding Is Hallucination***
 - e. A COI Requires a Set of Guiding Principles and Tenets***
 - f. Development of a Prototype Is Instrumental***

A Community of Interest (COI) Should Be Created To Solve A Problem

Today's Processes



Data is not visible,
accessible or usable



GFM Data Needs

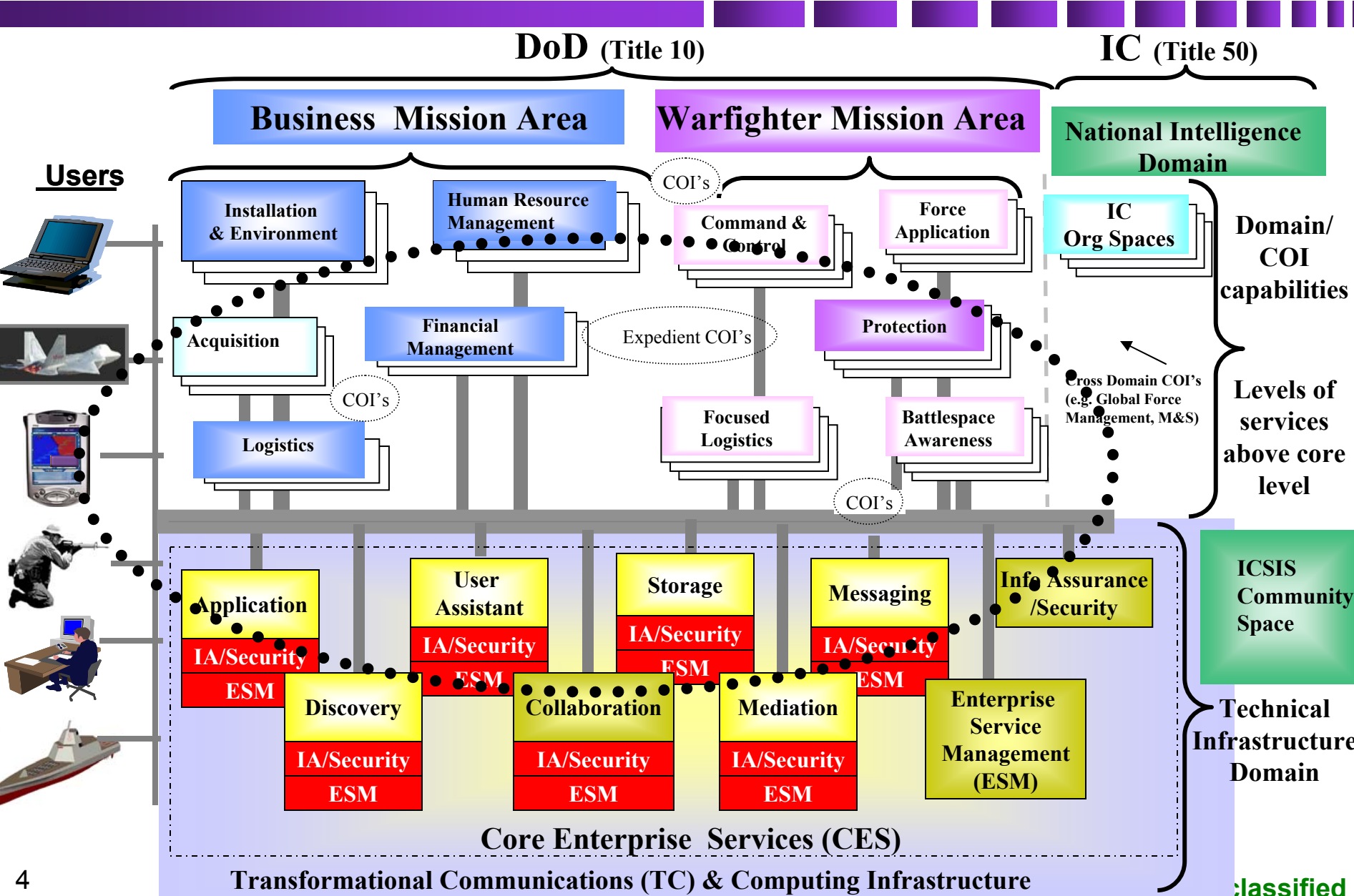
- Force Structure Data
 - Current Unit Locations
 - “Event” data
 - Operational Availability
 - Total US Inventory
 - Joint hierarchically organized
- Historical archive
- Timely, reliable, and authoritative

Process is not integrated

Directives

1. Per SecDef's Memo, JS to integrate assignment, allocation and apportionment processes
2. Per SROC Guidance, the JS will implement enterprise-wide unit identifiers
3. Per SPG FY06-11, CJCS to develop/organize force structure data across Service lines
4. Per JPG DepSecDef Memo, USN, USAF, USMC add \$ during FY 2006-2011 for development of standardized force structure data to provide on-demand information in a net-centric environment

The GFM DI's Scope Is Enterprise Wide, Making It A Special Challenge For A COI



COI Representatives Fluctuate As The Solution Evolves

Personnel/Manpower



Resources



Materiel



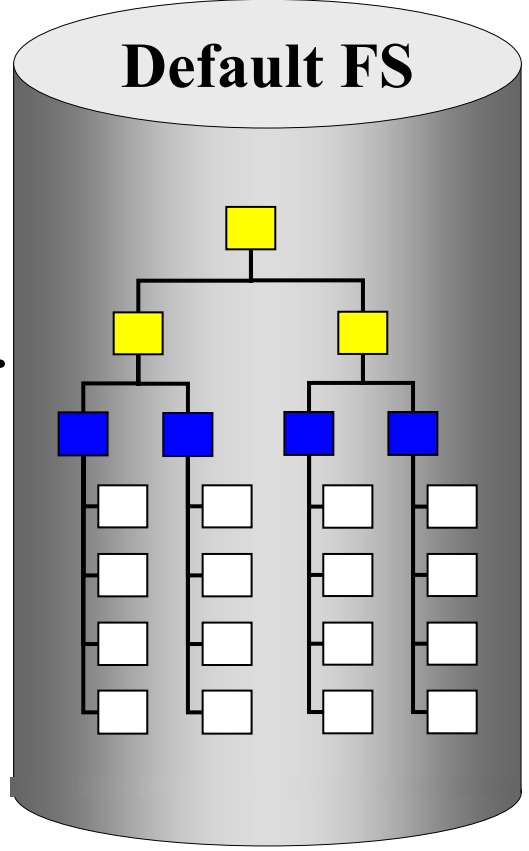
Plans/Readiness



Capabilities

Orders C2 +
Objectives Targeting +

Uses Force Structure (FS) to integrate data



- **Hardcore computer science problem**
 - No “silver bullet”
 - Must create the data
- **Must document all organizations**
 - Administrative
 - Combatant
 - Operational
 - Rigorously reported
 - Starting point for any joint task organization
- **Common identification (XML & FMIDS)**
- **Disseminate from a single authoritative data source**

Vision Without Funding Is Hallucination (GFM EPP Tasks)

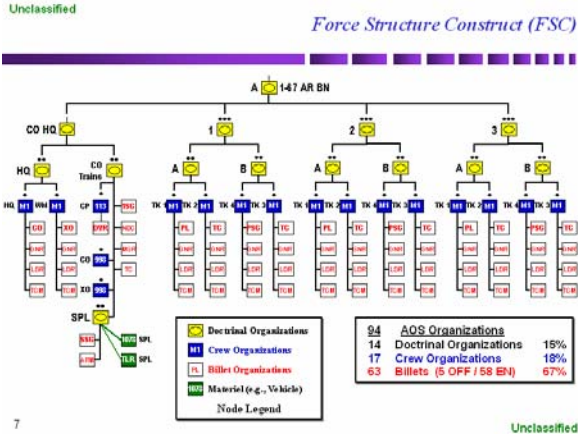
- **Task 1: Joint Staff, J-8 identifies required GFM data elements (unit, location, event, ...) to include Defense readiness Reporting System (DRRS) data elements NLT 2 Feb 04**
- **Task 2: Components identify all GFM authoritative sources (databases) to match the data model resulting from Task 1 NLT 17 Feb 04**
- **Task 3: Components will identify and develop roadmaps on when these GFM authoritative sources will be created and web-service-enabled NLT 1 Mar 04**
- **Task 4: Joint Staff and GFM Enhanced Planning Process (EPP) Issue Team will evaluate the roadmaps to web-service-enabled GFM authoritative sources to achieve desired capabilities NLT 1 Apr 04**
- **Task 5: Joint Staff and GFM EPP Issue Team develop draft Joint Programming Guidance (JPG) language NLT 15 Apr 04**
- **Task 6: Components review draft JPG language NLT 1 May 04**

A COI Requires a Set of Guiding Principles and Tenets

Document

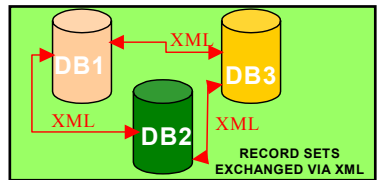
A hierarchical way to organize (document) force structure data for integration across Service-lines

- Top to bottom (billet level) organizations with operational organizational aspects (Tactics, Techniques, and Procedures)
- The **GFMIEDM** provides common semantics and rules
- Documented in an single authoritative data source call the **Organizational Server**.

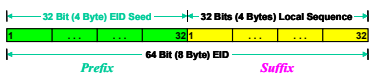


Identify

- XML tagging for web services (e.g., discovery, collaboration, mediation, etc.)

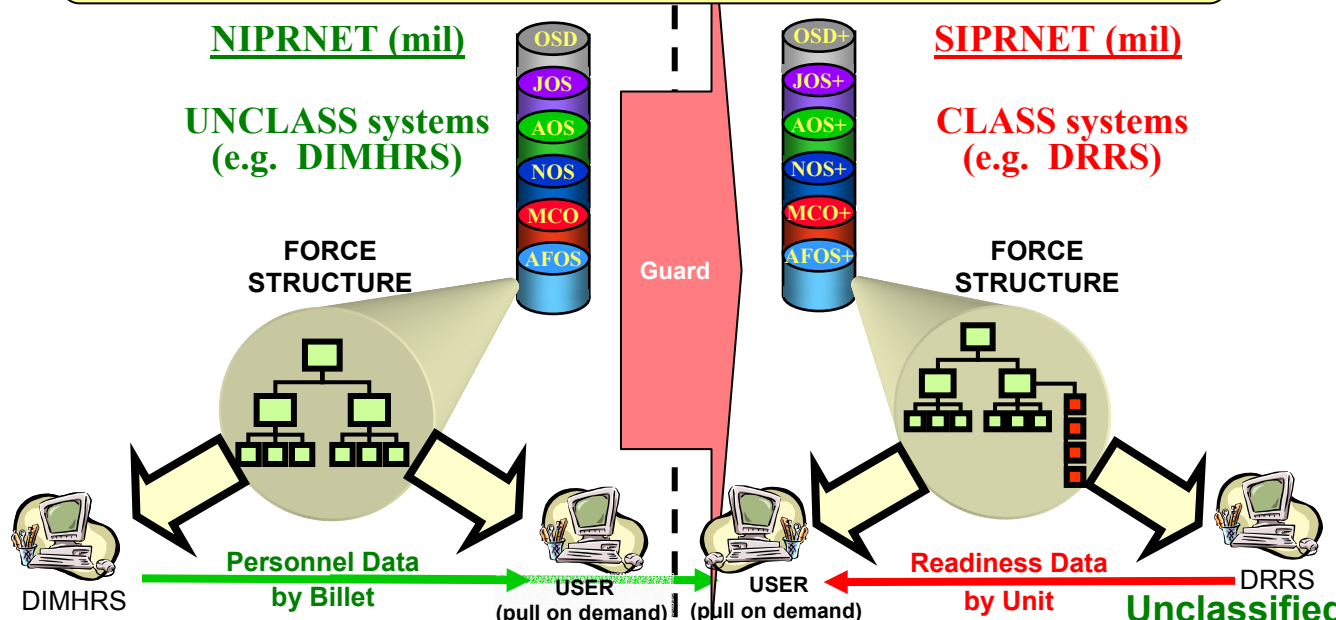


- FMIDS (unique data identifiers) to allow data integration



Disseminate

- Org Servers are the Authoritative Data Source
- Web-service-enabled

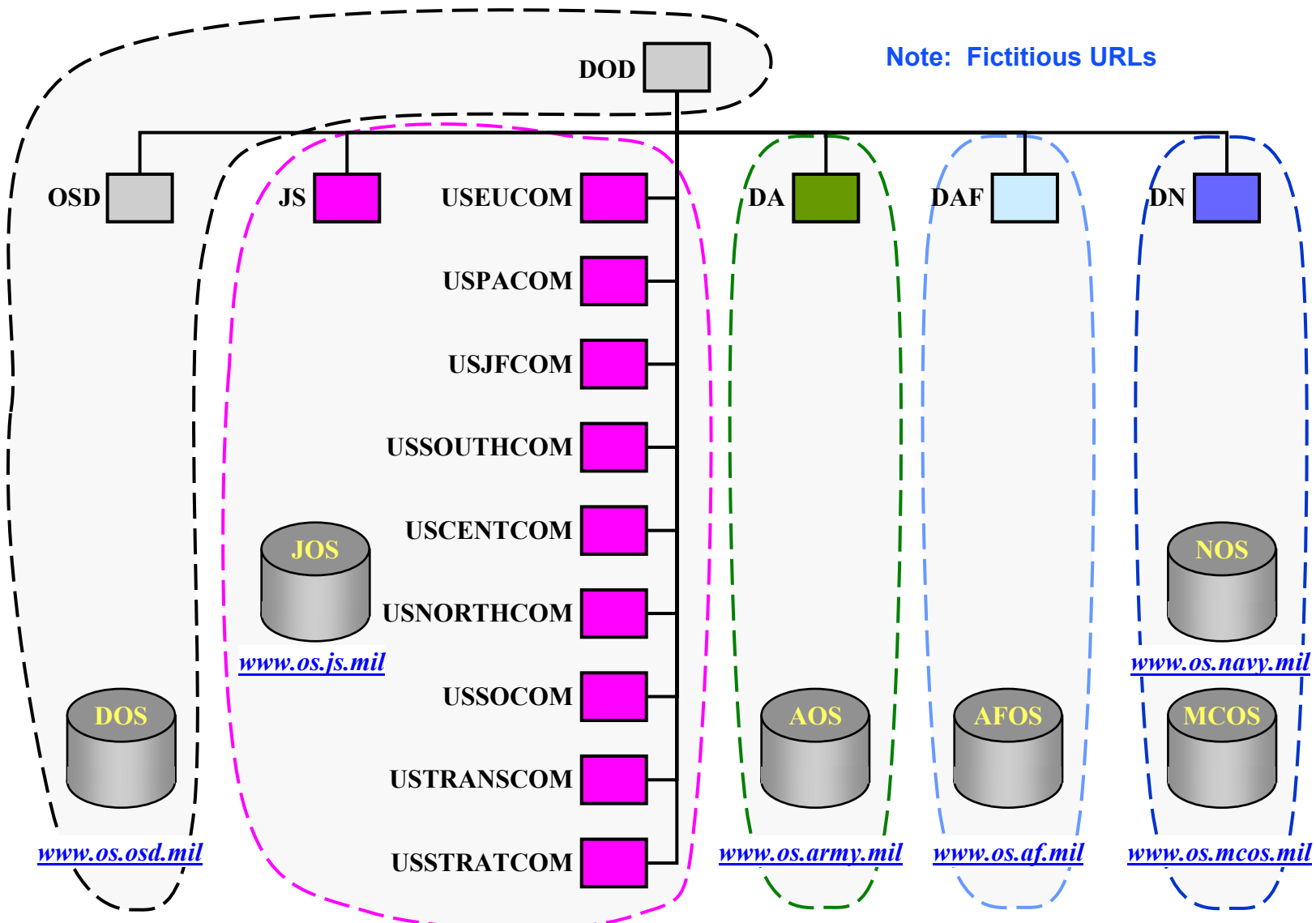


Development of a Prototype Is Instrumental [1]

- **Preparing a “Combat Slice” from each of the Services and putting it into GFMIEDM format**
 - Navy – 2nd Expeditionary Strike Group (ESG)
 - USMC – 26th Marine Expeditionary Unit (MEU)
 - Army – 1st Brigade Combat Team, 1st Cavalry Division
 - Air Force – 4404th Wing (Provisional) - AEW
- **Simultaneously preparing the Concept of the Operations (CONOPS) in three areas:**
 - Organization Server Operations
 - Allocation, Assignment & Apportionment process
 - GFM in a net-centric environment

Objectives: Define business rules, flush out GFMIEDM, and demonstrate capabilities of GFM DI prototype

Development of a Prototype Is Instrumental [2]



Development of a Prototype Is Instrumental [3]

Organization Chart Demo (build 49): dtrp9cavfinalchart3 @ 2005-05-09 Mike = 01000244

File Settings Find Print Tools Show Help

Org Type Tree Organization Tree

Org Type or Organization

Materiel Type Estab

Primary Person Type Estab

Additional Person Type Estab

D Troop, 9th Cavalry is the selected node.

This what the organization looks like in the *Organizational & Force Structure Construct*

- Includes all force structure elements used
- Based on fewest changes required by operators

D Troop, 9th Cavalry in the Organizational & Force Structure Construct (OFSC)

Development of a Prototype Is Instrumental [4]

Organization Chart Demo: dtv3chart3 @ 2005-03-28 Mike = 01000244

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Org Type Tree Organization Tree

Org Type or Organization

Material Type Estab

Person Type Estab

Skill Type

1st Platoon, D Troop, 9th Cavalry OFSC

First Scout Platoon is the selected node.

Development of a Prototype Is Instrumental [5]

Organization Chart Demo: dtv3chart3 @ 2005-03-28 Mike = 01000244

File Settings Find Print Show Help

Org Type Tree Organization Tree

```

graph TD
    UN1[UN  
Sct Sec A] --- CR1[CR  
SL Vec]
    UN1 --- CR2[CR  
Sqd Ldr Vec]
    CR1 --- BL1[BL  
Sec Ldr]
    CR1 --- BL2[BL  
Sct Dvr]
    CR1 --- BL3[BL  
Sct]
    CR1 --- UN2[UN  
Dmtd Tm]
    CR2 --- BL4[BL  
Sqd Ldr]
    CR2 --- BL5[BL  
Sct Dvr]
    CR2 --- BL6[BL  
Sct]
    CR2 --- UN3[UN  
Dmtd Tm]
  
```

Org Type or Organization

Matériel Type Estab


Person Type Estab

Skill Type

Scout Section "A", 1st Platoon, D Troop, 9th Cavalry OFSC

Scout Section A is the selected node.

Summary

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