To provide an overview of the Global Force Management Data Initiative (GFM DI)

- GFM DI will make force structure authorization data visible, accessible and understandable across the Department
- GFM DI will provide the authoritative data source for all DoD force structure – to be used by and integrated with all other systems that use force structure (i.e. everything)
**Problem:** No common reference

**Solution:** Common Force Structure reference

- Common Force Structure representation for **ALL** Domains and user needs
  - Consistent structure
  - High resolution
- Based on:
  - Command & Support Relationships
  - Time
- Visible and accessible from a single source in a net-centric environment
- Foundational for net-centricity:
  - Universal key to integrate data
  - Realizes the power of the information

**Force Structure Pulls Everything Together**
Support the Joint Warfighting Capability of the DoD

Enable Rapid Access to Information for Strategic Decisions

Reduce the Cost of Defense Business Operations

Improve Financial Stewardship to the American People
To guide transformation of business operations throughout the Department of Defense and to deliver Enterprise-level capabilities that align to warfighter needs.
Background—Capability Gaps

• It can take months to answer:
  – “where are my forces,”
  – “how much am I spending,” and
  – “what capabilities can I employ”

• 30+ DoD force structure authorization systems evolved separately…cannot easily exchange data

• Command relationships are poorly documented
  – ADCON, COCOM, OPCON not always captured
  – Deployments and activities still recorded manually

GFM DI addresses these shortfalls

DoDI 8260.03 directs GFM DI to be the authoritative data source for all force structure users
Each “Component” (OSD, Joint, Services) will build and maintain an “Org Server” with force structure data to be shared and used in the Enterprise.

Unique identifiers will associate billets, crews, equipment, and chain-of-command links, allowing easy machine manipulation.

Provides a common reference for DoD business, readiness, and C2 IT systems:
  - Everyone uses the same force structure foundation, with well-defined Command Relationships
  - Allows integration of “authorization” data with “on-hand” systems
  - Enables DRRS, GVC, DIMHRS, Adaptive Planning, NECC, SFIS, and future systems
Objective is to develop a single construct that everyone (read computer systems and humans) uses

- Managed through the GFM Community of Interest (COI)
- Incorporates everyone’s needs
- Give systems the same start point (i.e., the ‘Authorized’ structure)
- Provides common understanding for different ways of doing business
- Uses North Atlantic Treaty Organization (NATO) Information Exchange Data Model as the start point for information exchange
- Allows unambiguous assembly of everyone else's data — data that you need:
  - Force Structure (e.g., managing the force)
  - Resources (e.g., funding, personnel, equipment)
  - Assessment (e.g., analytic agenda)
Overview

GFM Data Strategy

A joint way to electronically document “Authorized” force structure data for integration across Service-lines

- Organizational & Force Structure Construct (OFSC)
- All Organizations & their Cmd & Spt Relationships
- The GFMIEDM provides common data exchange
- The Organization Server is the single authoritative data source

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

NIPRNET (mil)
UNCLASS systems (e.g. DIMHRS)

SIPRNET (mil)
CLASS systems (e.g. DRRS)

DIMHRS
FORCE STRUCTURE
PERSONNEL DATA
by Billet

OSD
JOE
AOS
NOS
MCO

FDSS
FORCE STRUCTURE
READINESS DATA
by Unit

USER
(pull on demand)

Guard

Digital Readiness Resource System (DRRS)
Understanding ‘What’ is ‘Where’
“Authorized” versus “On-Hand”

How many are you supposed to have?

14
Authorization data
Authorized by Law and organized by the Components
Org Servers

How many do you have?

12
“On-Hand” data
Property Books & Personnel Systems

How many are working?

7
Readiness data
Logistics & Personnel Systems
Behind the Org Chart
...everything that’s supposed to be there

Contains:

• People authorizations
  – Military
  – Government Civilians (GS, SES, part-time, job share)
  – Non-Government Civilians (NAF, Contractors, Volunteers)

• Equipment authorizations
• Home station
• Relationships
• Names (e.g., the OUID)
• Graphics (Mil Std 2525B)
• Definitions

Force Developers maintain the data!
• Prepared a “Combat Slice” from each of the Services and putting it into GFMIEDM format
  – Navy – 2\textsuperscript{nd} Expeditionary Strike Group (ESG)
  – USMC – 22\textsuperscript{nd} Marine Expeditionary Unit (MEU)
  – Army – 1\textsuperscript{st} Brigade Combat Team, 1\textsuperscript{st} Cavalry Division
  – Air Force – CAF AEW / ISR AEG (AETF)

• Simultaneously prepared the Concept of the Operations (CONOPS) in three areas:
  – Organization Server Operations
  – Allocation, Assignment & Apportionment process
  – GFM in a net-centric environment

\textbf{Objectives:} Define business rules, flush out GFMIEDM, demonstrate capabilities, and data standard of GFM DI prototype to enable the Services to build the Org Servers
### Organization: 2nd Battalion, 5th Cavalry

<table>
<thead>
<tr>
<th>Qty</th>
<th>Name</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2nd Battalion, 5th Cavalry</td>
<td>UN</td>
</tr>
<tr>
<td>1</td>
<td>Battalion Headquarters</td>
<td>UN</td>
</tr>
<tr>
<td>1</td>
<td>Command Section</td>
<td>UN</td>
</tr>
<tr>
<td>1</td>
<td>Commander</td>
<td>BL</td>
</tr>
<tr>
<td>1</td>
<td>Executive Officer</td>
<td>BL</td>
</tr>
</tbody>
</table>

#### Materiel Authorizations

<table>
<thead>
<tr>
<th>Qty</th>
<th>Name</th>
<th>Stock #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BAYNET MULTIPURPOSE SYSTEM XM3</td>
<td>B48904</td>
</tr>
<tr>
<td>1</td>
<td>SIGHT: REFLEX COLLIMATOR</td>
<td>S80288</td>
</tr>
<tr>
<td>1</td>
<td>ADAPTER RAIL: WEAPON MOUNTED M5</td>
<td>A13362</td>
</tr>
<tr>
<td>1</td>
<td>RIFLE: 5.56MM M16A4</td>
<td>R97175</td>
</tr>
<tr>
<td>1</td>
<td>AIMING LIGHT INFRARED: AN/PAQ-4</td>
<td>A34939</td>
</tr>
</tbody>
</table>

#### Primary Person Types

<table>
<thead>
<tr>
<th>Qty</th>
<th>Name</th>
<th>Skill Attr</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CMD SGT MAJOR</td>
<td>00250 E-9</td>
</tr>
<tr>
<td>15</td>
<td>INFANTRY, O-2</td>
<td>11A00 0-2</td>
</tr>
<tr>
<td>7</td>
<td>INFANTRY, O-3</td>
<td>11A00 0-3</td>
</tr>
<tr>
<td>2</td>
<td>INFANTRY, O-4</td>
<td>11A00 0-4</td>
</tr>
<tr>
<td>1</td>
<td>INFANTRY, O-5</td>
<td>11A00 0-5</td>
</tr>
</tbody>
</table>

#### Additional Skills

<table>
<thead>
<tr>
<th>Qty</th>
<th>Name</th>
<th>Skill Attr</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>ALSO LIGHT VEHICLE DRIVER</td>
<td>01</td>
</tr>
<tr>
<td>20</td>
<td>ALSO TRACK VEHICLE DRIVER</td>
<td>03</td>
</tr>
<tr>
<td>102</td>
<td>ALSO RADIO OPERATOR</td>
<td>04</td>
</tr>
<tr>
<td>1</td>
<td>ALSO SWITCHBOARD OPERATOR</td>
<td>05</td>
</tr>
<tr>
<td>1</td>
<td>ALSO INFORMATION NCO</td>
<td>07</td>
</tr>
<tr>
<td>1</td>
<td>ALSO EDUCATION NCO</td>
<td>08</td>
</tr>
<tr>
<td>1</td>
<td>ARMED WITH PISTOL/REVOLVER</td>
<td>11</td>
</tr>
<tr>
<td>79</td>
<td>ARMED WITH CARBINE, 5.56 MM</td>
<td>12</td>
</tr>
<tr>
<td>1</td>
<td>ALSO OPSEC OFFICER</td>
<td>27</td>
</tr>
<tr>
<td>1</td>
<td>ADVANCED TRAUMA LIFE SUPPORT (ATLS) T...</td>
<td>28</td>
</tr>
<tr>
<td>33</td>
<td>JAVELIN GUNNERY</td>
<td>2C</td>
</tr>
<tr>
<td>7</td>
<td>BATTLE STAFF OPERATIONS</td>
<td>25</td>
</tr>
<tr>
<td>1</td>
<td>M1A2 ABRAMS TANK</td>
<td>3J</td>
</tr>
</tbody>
</table>

2nd Battalion, 5th Cavalry is the selected node.

Organization Server data
C2 data allows tracking of Organizations throughout the “Execution” Cycle

“Operational” Command Relationship
“Force View” is an example of a net-centric “user” application
"Discovery Services" finds a suite of Organization Servers
“Discovery Services” finds Army personnel data on the Web
“Authorizations” are documented in the Services
The same unit can have multiple command & support relationships (“Links”). “Assignment” information – shows all forces assigned to COCOMs.
Delivery Timeline

• Force structure authorization data visible and accessible for operational force by Sep 08
  – OSD, Joint, USMC – Sep 07
  – USA, USN, USAF – Sep 08
  – Authorization data for all forces that could be assigned to Combatant Commanders. Includes:
    • Active, Guard, and Reserve forces
    • Embedded civilian & contractor
    • Unique Equipment (i.e., crew vehicles)

• Phased implementation and linked to on-hand data by Sep 09
Points of Contact (Joint Staff J8 MASO):

- Mr. George Sprung    (703) 697-7413
- COL Phil Beaver      (703) 697-7729
- LTC Ilean Keltz      (703) 697-7424
- Maj Glenn Hillis     (703) 697-7544

- Dr. Sam Chamberlain  (ARL) (410) 278-8948

Questions?