Global Force Management Data Initiative (GFM DI) Overview Briefing

National Defense Industrial Association

7 Mar 2007

This briefing is classified
UNCLASSIFIED

Purpose

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)
- Directed by Joint Planning Guidance VII, dated June 2006

Force Structure Pulls Everything Together

BTA
BUSINESS TRANSFORMATION AGENCY

Today

Problem: No common reference

Planning

Adaptive Planning
Plans
Capabilities
Risk Assessment

Force Structure A

Programming/Budgeting

Programs
Appropriations

Force Structure B

Execution

Military
Civilians
Contractors
Materiel

Force Structure C

Reporting

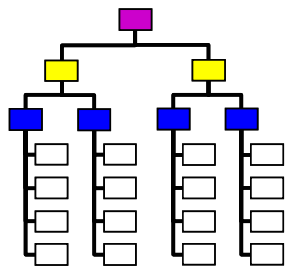
Readiness
DRRS/GVC
C2
Metrics

Force Structure D

Future

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



BTA Strategic Objectives

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

BTA
BUSINESS TRANSFORMATION AGENCY

BTA Mission

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"

Requires information from many different systems

- 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

BTA
BUSINESS TRANSFORMATION AGENCY

GFM DI Concepts

- 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

BTA
BUSINESS TRANSFORMATION AGENCY

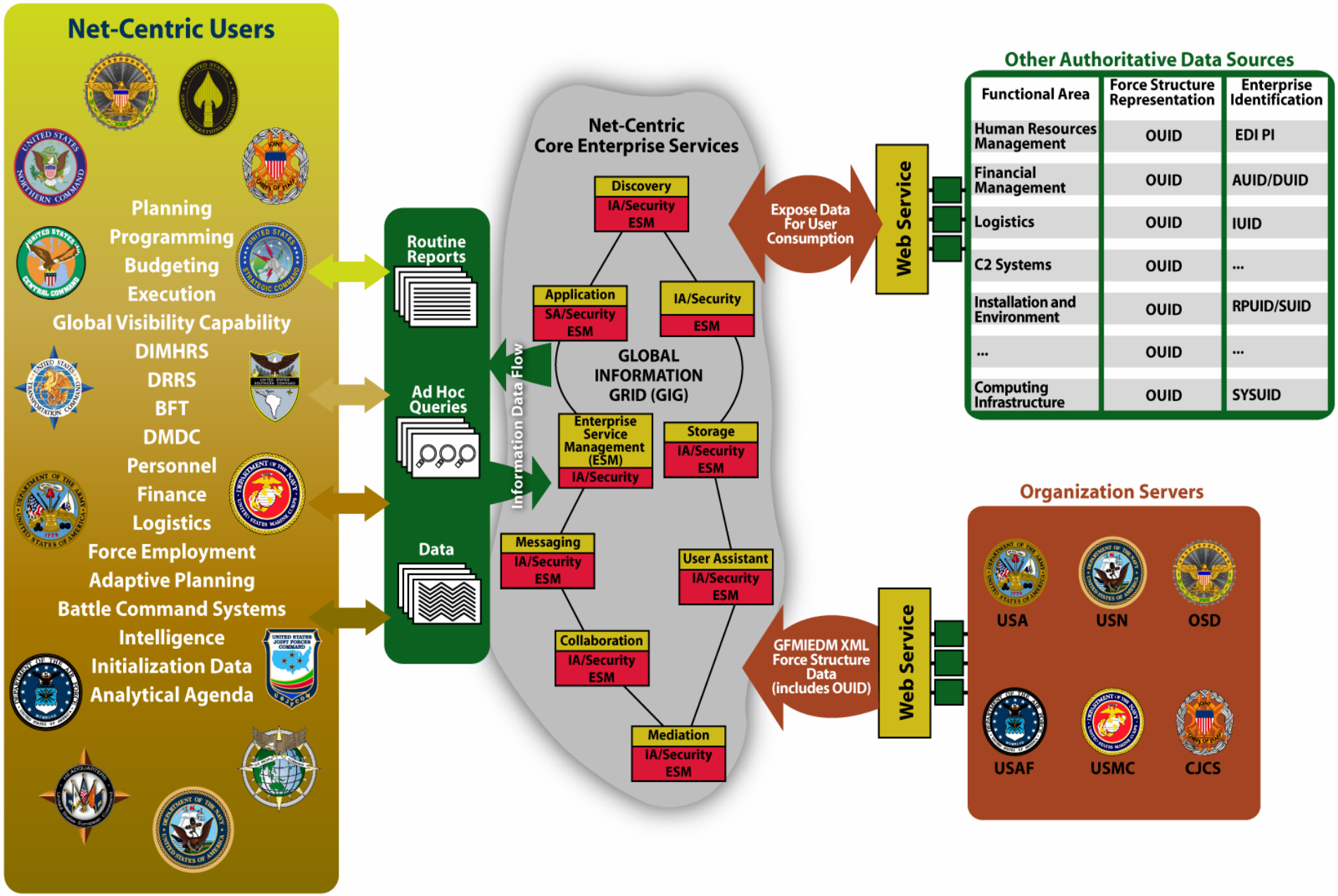
GFM DI Objective

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)

Net-Centric User (OV-1)

(Applies to Classified and Unclassified Environments)

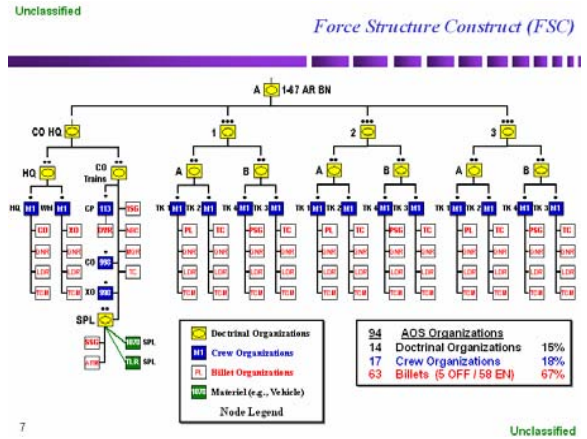


Overview
GFM Data Strategy

Document

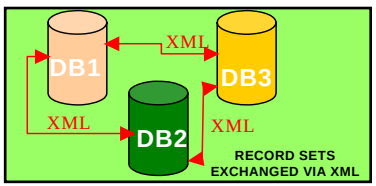
A joint way to electronically document "Authorized" force structure data for integration across Service-lines

- **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**

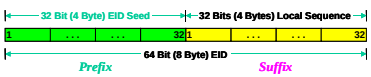


Identify

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

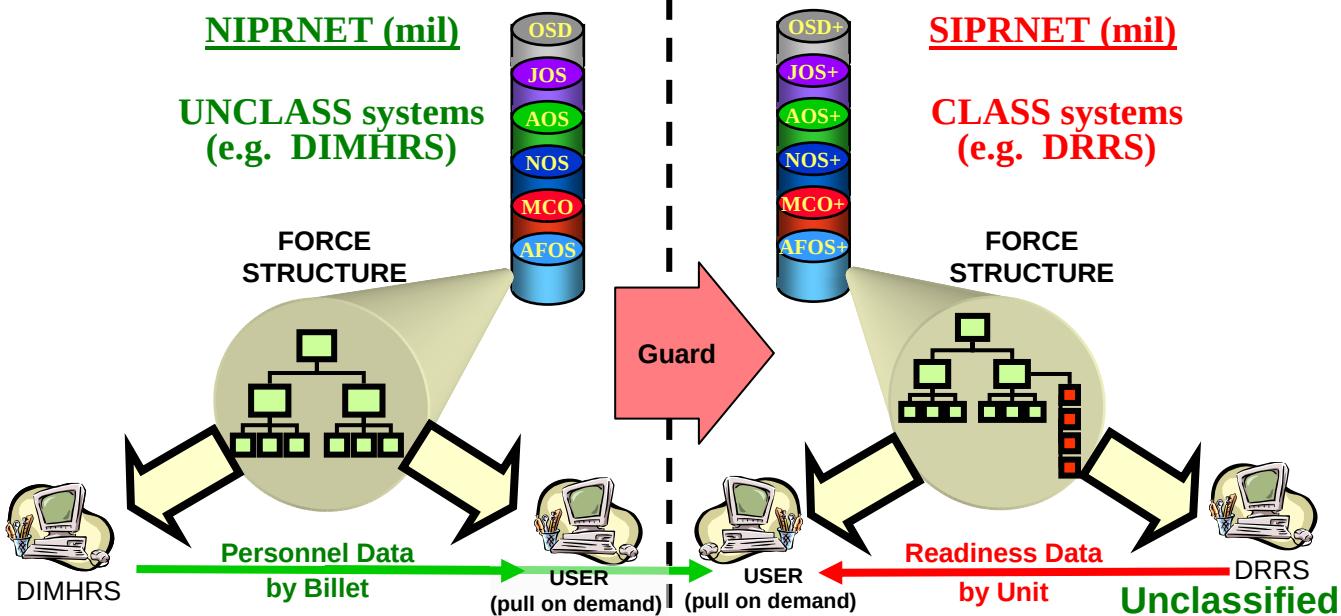


- **FMIDS (unique data identifiers) to allow data integration**



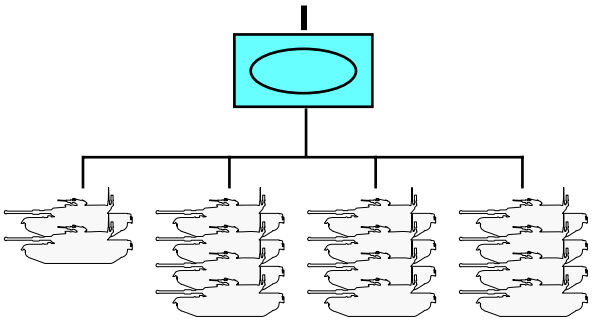
Disseminate

- **Org Servers are the Authoritative Data Source**
- **Web-Service-enabled**



Understanding 'What' is 'Where'
"Authorized" versus "On-Hand"

How many are you supposed to have?



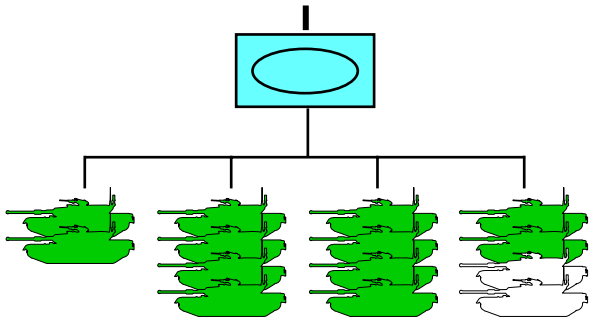
14

Authorization data

Authorized by Law and organized by the Components

Org Servers

How many do you have?

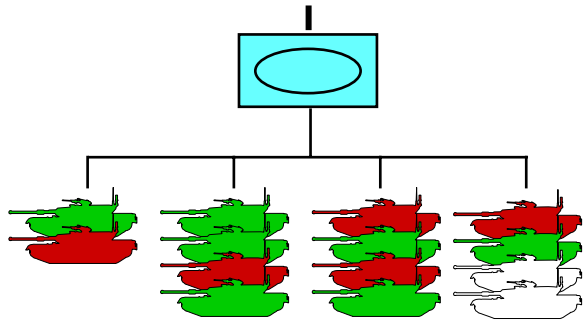


12

"On-Hand" data

Property Books & Personnel Systems

How many are working?

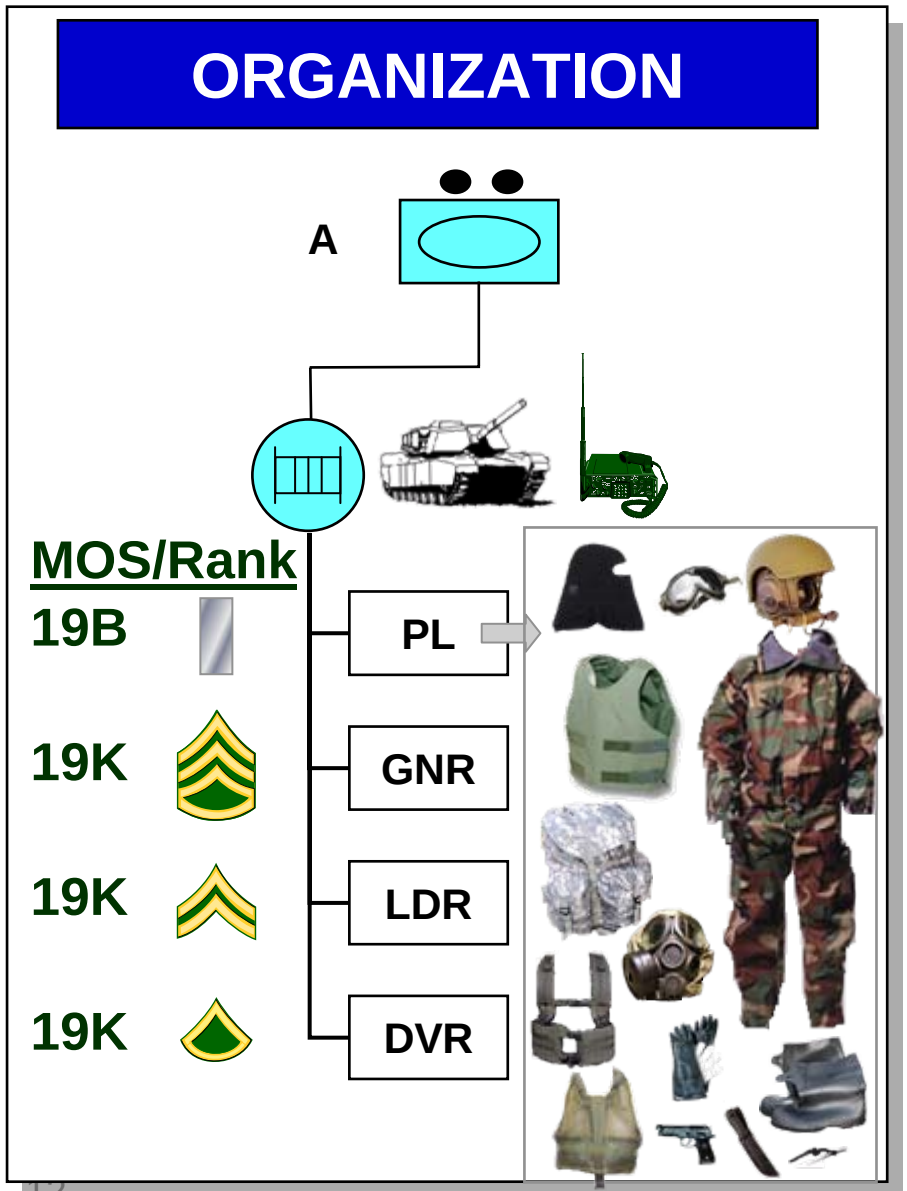


7

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!

Overview
GFM DI Prototype

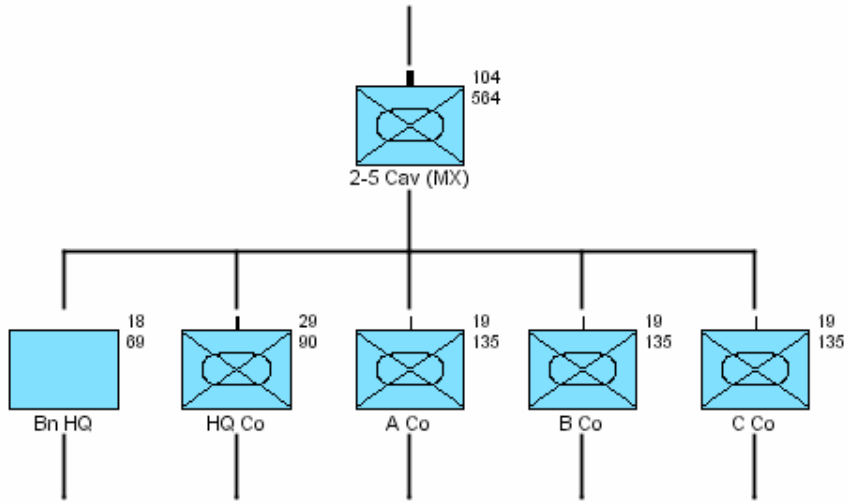
- Prepared a “Combat Slice” from each of the Services and putting it into GFMIEDM format
  - Navy – 2nd Expeditionary Strike Group (ESG)
  - USMC – 22nd Marine Expeditionary Unit (MEU)
  - Army – 1st Brigade Combat Team, 1st Cavalry Division
  - Air Force – CAF AEW / ISR AEG (AETF)
- Simultaneously prepared the Concept of the Operations (CONOPS) in three areas:
  - Organization Server Operations
  - Allocation, Assignment & Apportionment process
  - GFM in a net-centric environment

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

ARL Organization Chart Demo (build 96): wamnv4chart3 @ 2006-05-14 Mike = 01000244

File Settings Find Print Tools Show Help

Org Type Tree | Organization Tree



Organization Server data

Organization: 2nd Battalion, 5th Cavalry

	..	Qty	Name	..	Categ...
o	...	1	2nd Battalion, 5th Cavalry	...	UN
o	...	1	Battalion Headquarters	...	UN
o	...	1	Command Section	...	UN
o	...	1	Commander	...	BL
o	...	1	Executive Officer	...	BL

Materiel Authorizations

	..	Qty ▽	Name	..	Stock #
o	...	416	BAYONET MULTIPURPOSE SYSTEM: XM9	...	B49004
o	...	374	SIGHT: REFLEX COLLIMATOR	...	S60288
o	...	314	ADAPTER RAIL: WEAPON MOUNTED M5	...	A13362
o	...	314	RIFLE: 5.56MM M16A4	...	R97175
o	...	261	AIMING LIGHT INFRARED: AN/PAQ-4	...	A34938

Primary Person Types

	..	Qty	Name	..	Skill Attr ...
o	...	1	CMD SGT MAJOR	...	00Z5O E-9
o	...	16	INFANTRY, O-2	...	11A00 O-2
o	...	7	INFANTRY, O-3	...	11A00 O-3
o	...	2	INFANTRY, O-4	...	11A00 O-4
o	...	1	INFANTRY, O-5	...	11A00 O-5

Additional Skills

	..	Qty	Name	..	Skill Attr ...
o	...	25	ALSO LIGHT VEHICLE DRIVER	...	01
o	...	20	ALSO TRACK VEHICLE DRIVER	...	03
o	...	102	ALSO RADIO OPERATOR	...	04
o	...	5	ALSO SWITCHBOARD OPERATOR	...	05
o	...	1	ALSO INFORMATION NCO	...	07
o	...	1	ALSO EDUCATION NCO	...	08
o	...	40	ARMED WITH PISTOL/REVOLVER	...	11
o	...	78	ARMED WITH CARBINE, 5.56 MM	...	12
o	...	1	ALSO OPSEC OFFICER	...	27
o	...	1	ADVANCED TRAUMA LIFE SUPPORT (ATLS) T...	...	28
o	...	33	JAVELIN GUNNERY	...	2C
o	...	7	BATTLE STAFF OPERATIONS	...	2S
o	...	1	M1A2 ABRAMS TANK	...	3J

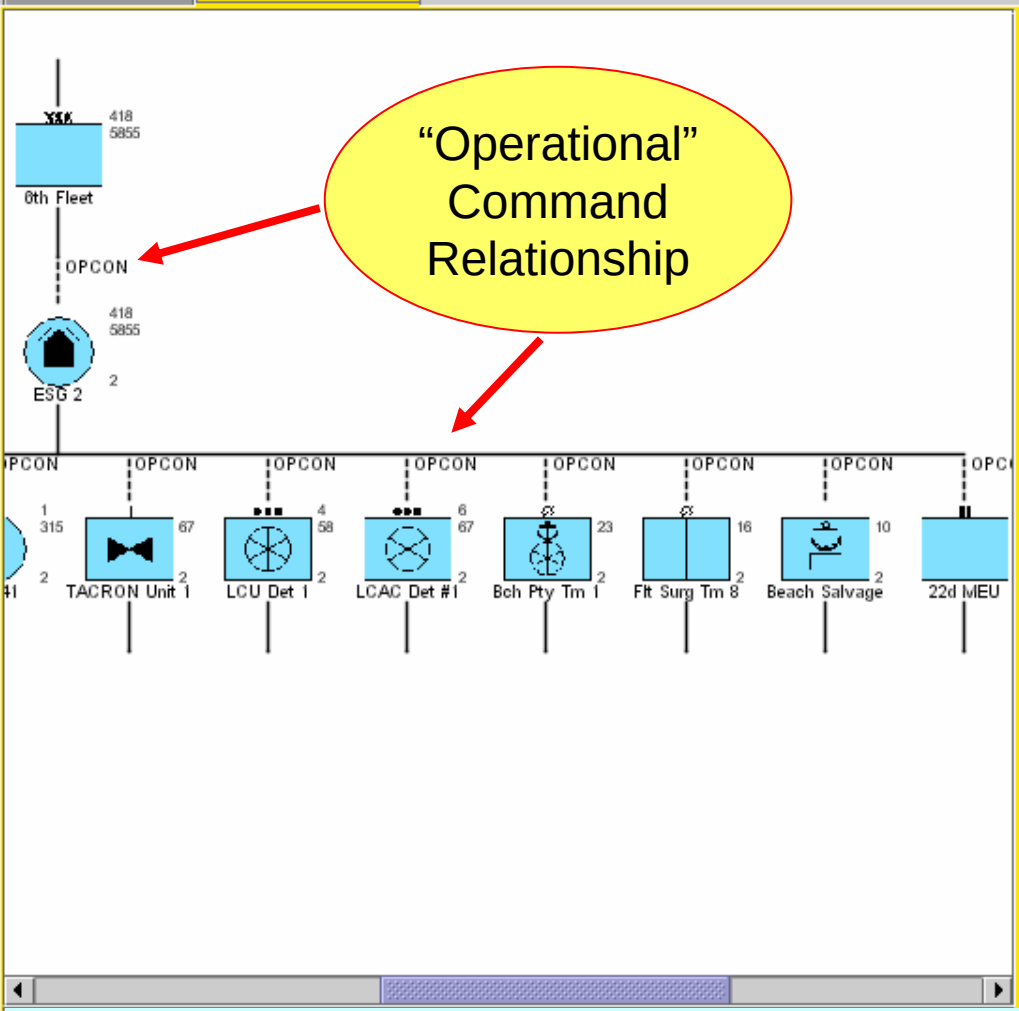
2nd Battalion, 5th Cavalry is the selected node.

start | IChart | ARL Organization Ch... | Microsoft PowerPoint ... | 8:34

ARL Organization Chart Demo (build 96): wamnv4chart3 @ 2004-05-14 Mike = 01000244

File Settings Find Print Tools Show Help

Org Type Tree | Organization Tree



C2 data allows tracking of Organizations throughout the "Execution" Cycle

Organization: EXPEDITIONARY STRIKE GROUP 2

	Qty	Name	Categ...
0	1	EXPEDITIONARY STRIKE GROUP 2	UN
0	1	PHIBRON 4	UN
0	1	EXECUTIVE DEPARTMENT	UN
0	1	COMMAND	UN
0	1	CDR OPFOR CMD CAPT	BL

Materiel Authorizations

	Qty	Name	Stock #
0	1	LHD 1 class ship	LHD 1
0	2	CG 47 class ship	CG 47
0	4	SH-60B	SH-60B
0	1	DDG 51 (flight 2) class ship	DDG 51 fl 2
0	1	LPD 4 class ship	LPD 4

Primary Person Types

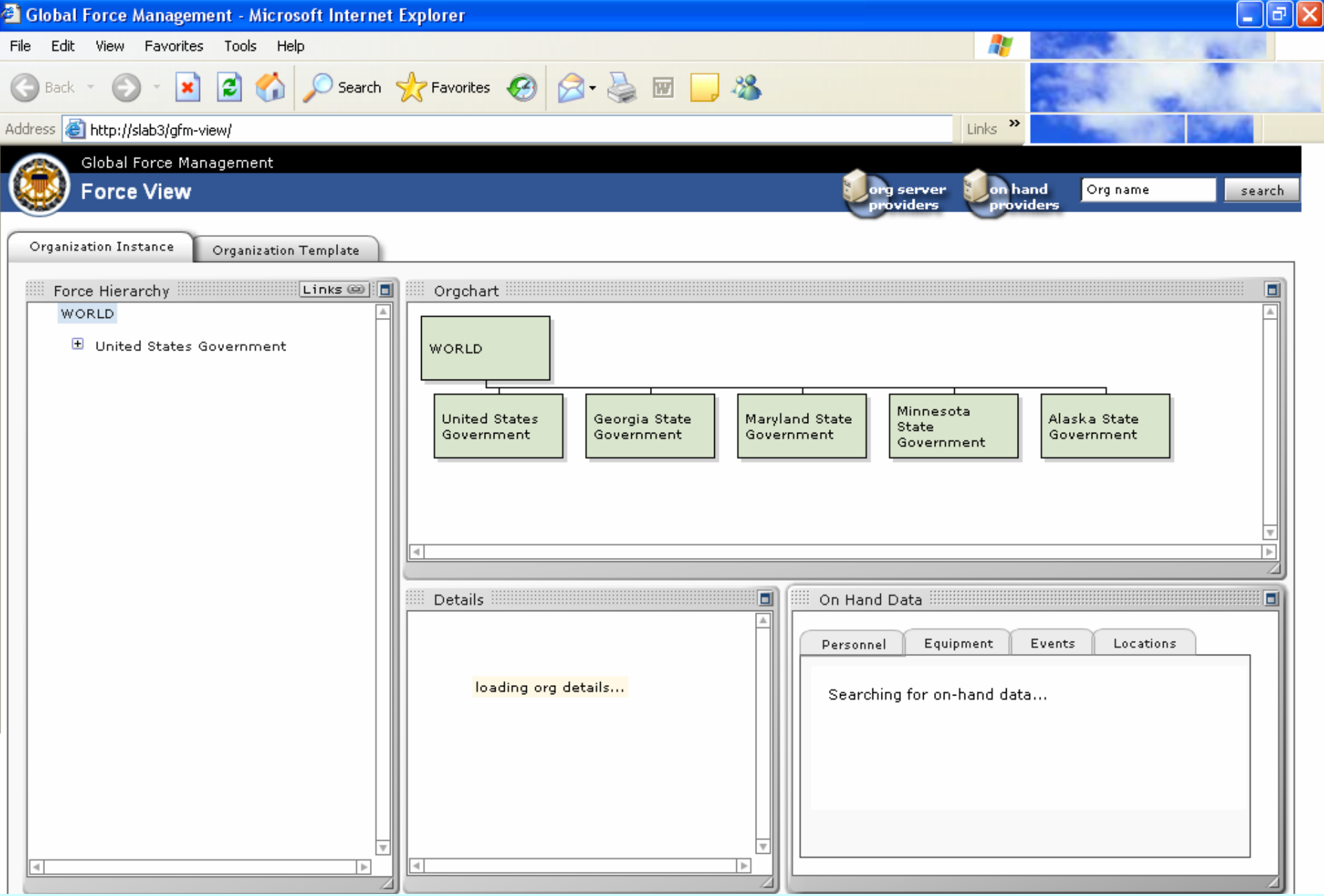
	Qty	Name	Skill Attr ...
0	33	EN3 NKN	EN3 NKN
0	35	MORTAR MAN,E-1	0341 E-1
0	38	RIFLEMAN,E-5	0311 E-5
0	40	BM3 NKN	BM3 NKN
0	40	ENFN NKN	ENFN NKN
0	42	MOTOR VEHICLE OPERATOR,E-4	3531 E-4
0	52	COMBAT ENGINEER,E-2	1371 E-2
0	66	MMFN NKN	MMFN NKN
0	75	MM3 NKN	MM3 NKN
0	89	RIFLEMAN,E-4	0311 E-4
0	97	RIFLEMAN,E-1	0311 E-1
0	99	AN NKN	AN NKN
0	167	RIFLEMAN,E-3	0311 E-3

Additional Skills

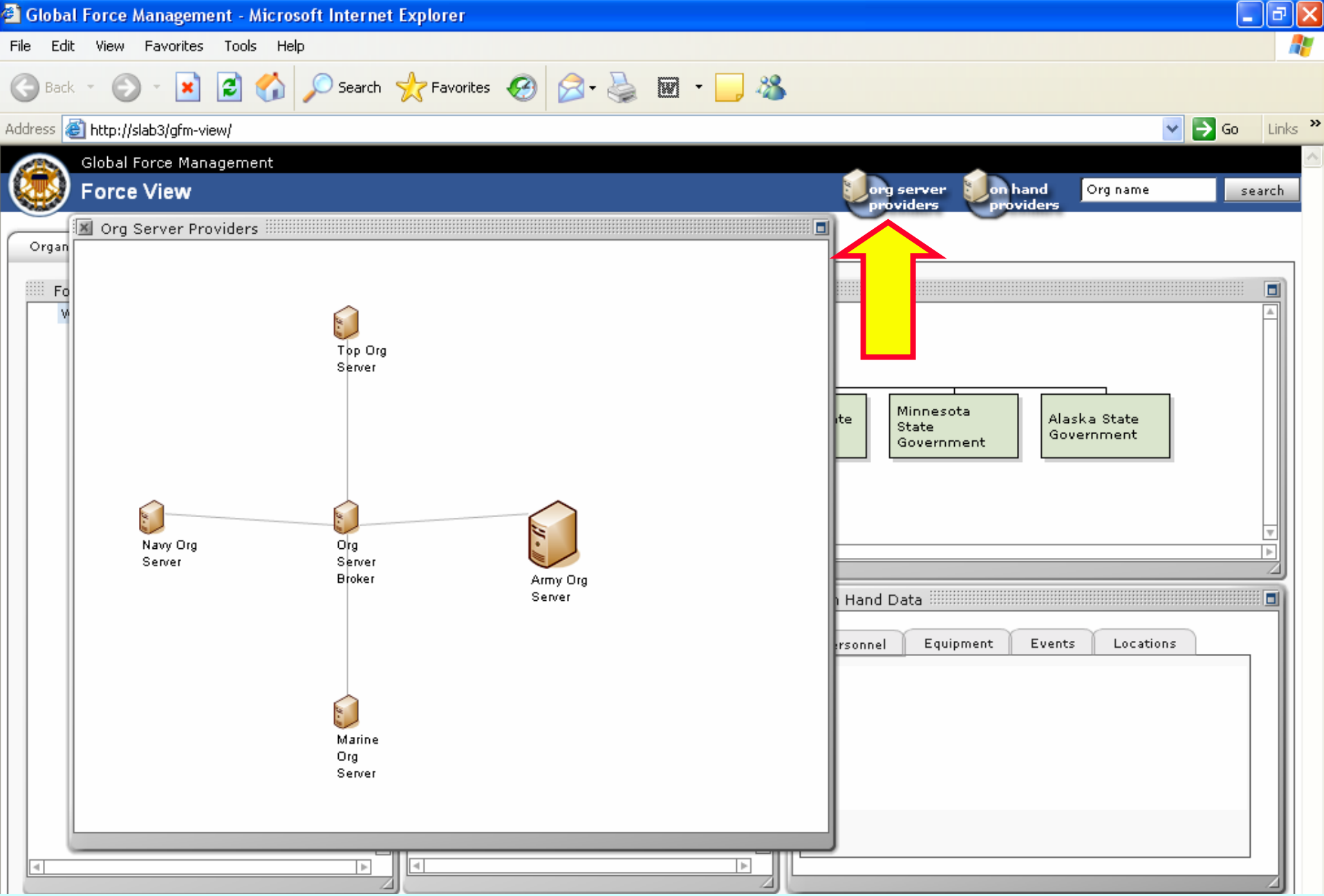
	Qty	Name	Skill Attr ...
0	12	NAVAL C4 BASIC	VX1
0	3	ANY HELO	DY0
0	1	SERVED AVIATION COMMANDER CMD	DU1
0	1	QUALIFIED SURFACE WARFARE	LA9
0	4	GENERAL ENGINEERING AND TECHNOLOG...	5000P

EXPEDITIONARY STRIKE GROUP 2 is the selected node.

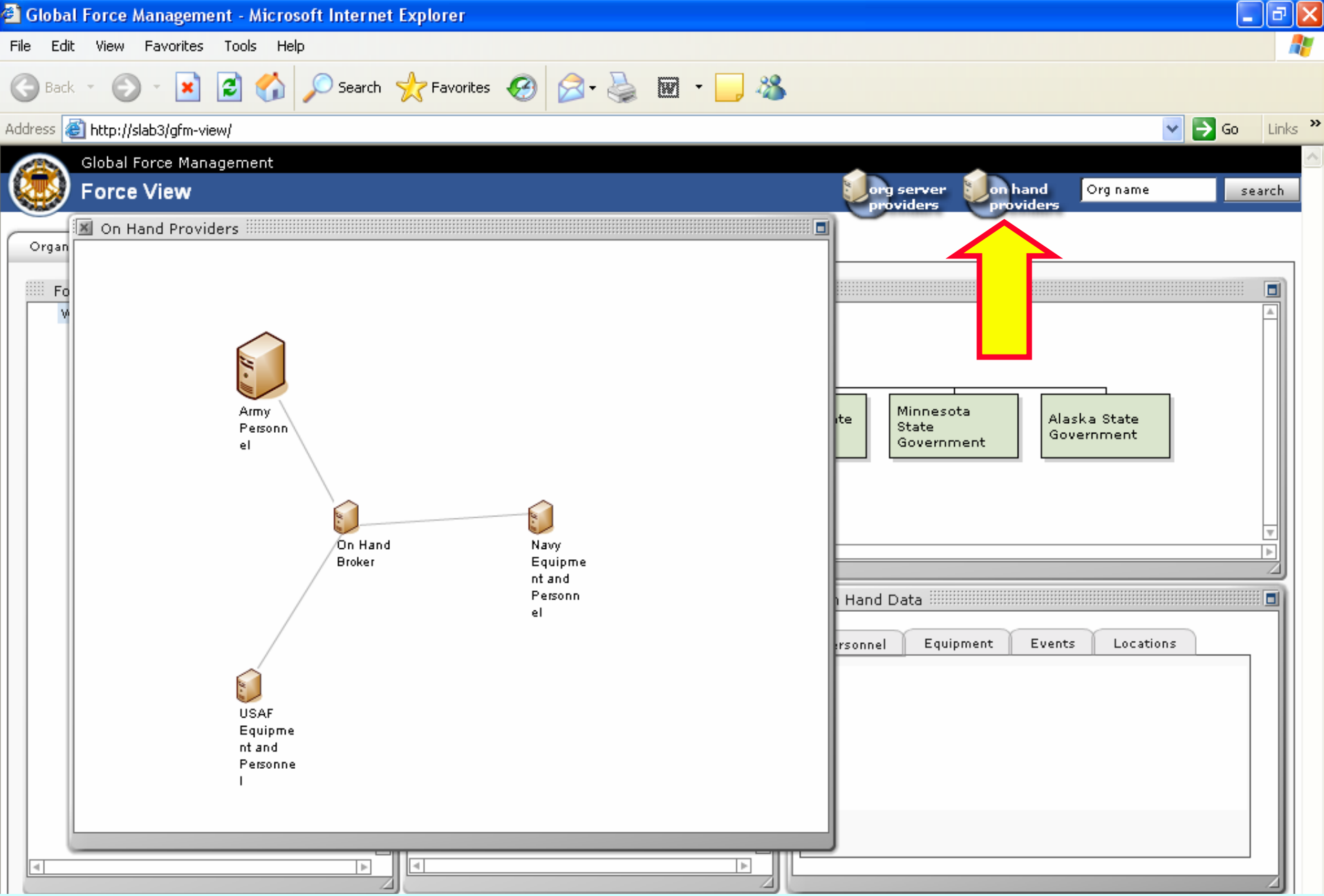
start | IChart | ARL Organization Ch... | Microsoft PowerPoint ... | 8:38



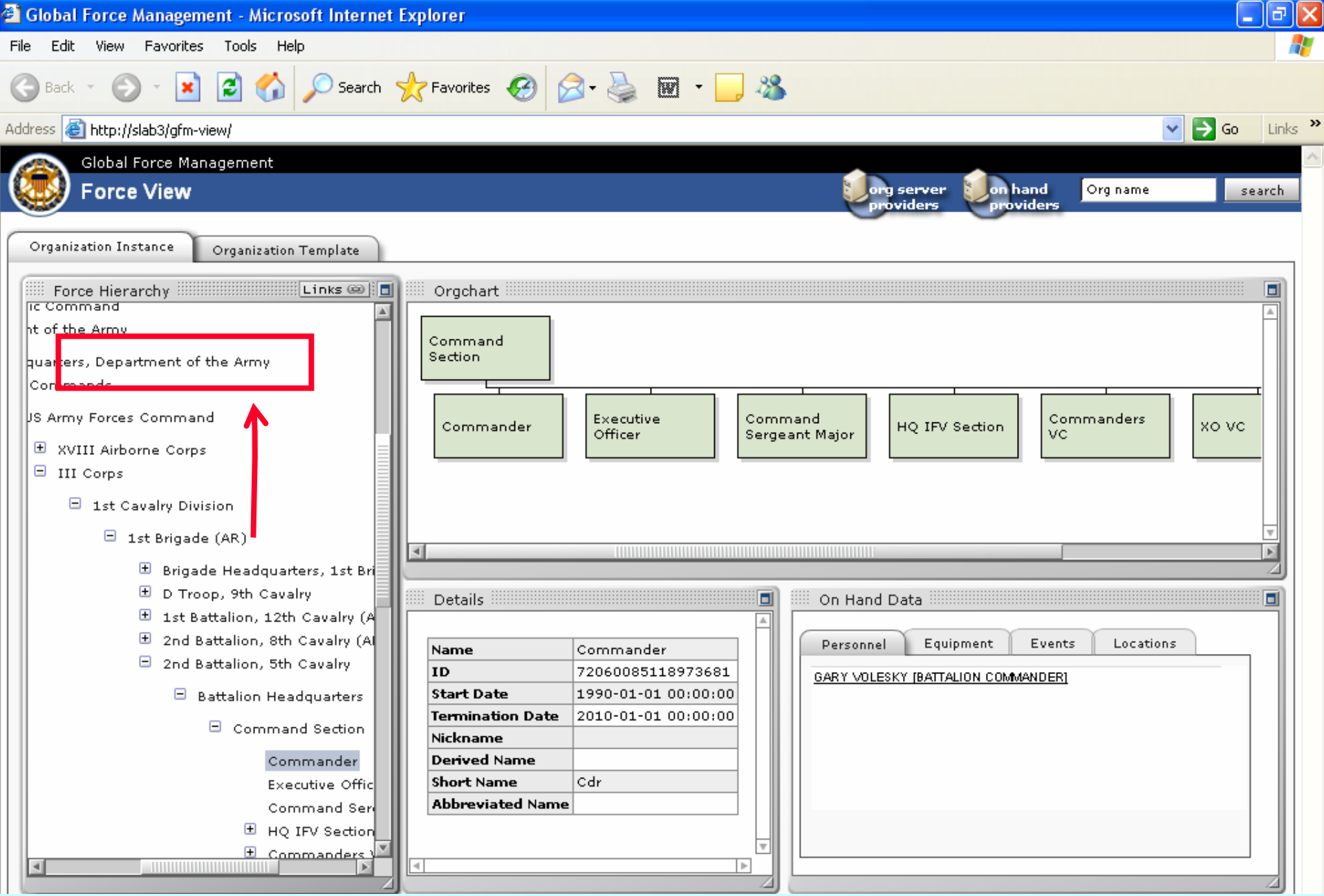
"Force View" is an example of a net-centric "user" application



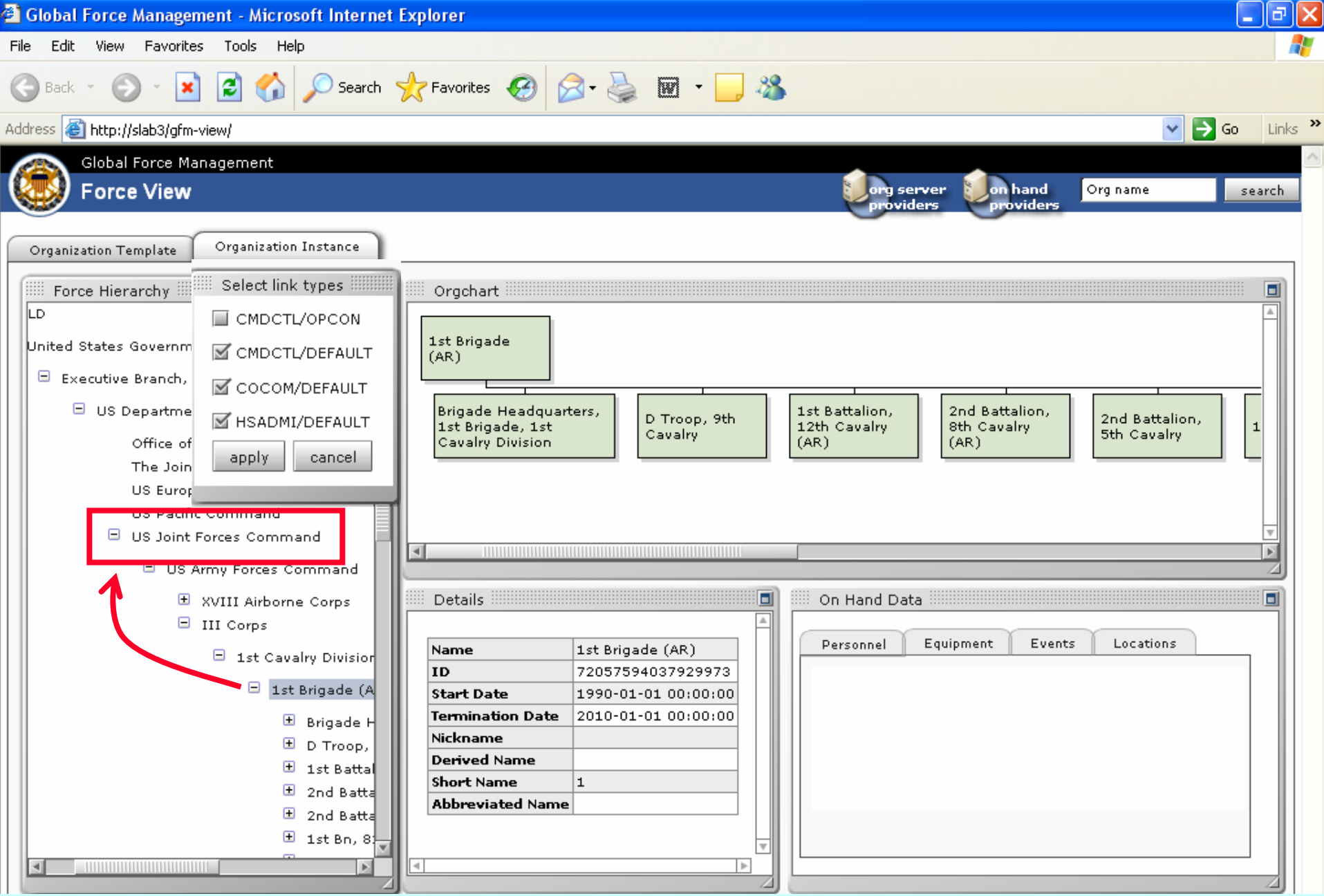
"Discovery Services" finds a suite of Organization Servers



“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

BTA
BUSINESS TRANSFORMATION AGENCY

Questions?

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**