



Moving Data through Early Planning into Design and Operations

Stephen R Hagan FAIA

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Russell Manning

Federal Facilities Council

U.S. Department of Agriculture

- Agricultural Research

U.S. Department of the Air Force

- Air National Guard; Installations and Management Support
- Office of the Civil Engineer

U.S. Department of the Army

- Assistant Chief of Staff for Installations Management
- Army Corps of Engineers

U.S. Department of Commerce

- Office of Real Estate Policy
- National Oceanic and Atmospheric Administration

U.S. Department of Defense

- Washington Headquarters Services

U.S. Department of Energy

- Office of Management
- National Nuclear Security Administration
- Office of Science

U.S. Department of Homeland Security

- Science and Technology Directorate
- Customs and Border Protection
- U.S. Coast Guard

U.S. Department of Health and Human Services

- National Institutes of Health
- **Indian Health Service**

U.S. Department of Navy

U.S. Department of State

U.S. Department of Veterans Affairs

Architect of the Capitol

General Services Administration

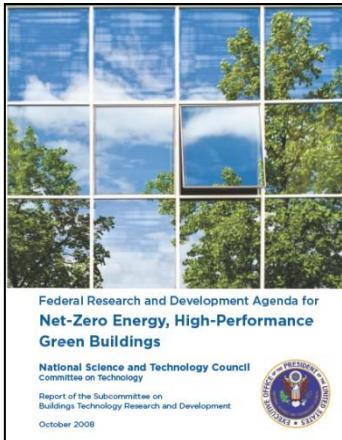
National Aeronautics & Space Administration

Smithsonian Institution



What is the Scale of Federal Facilities?

	U.S. Commercial (Millions)	Federal Facilities
• Number of Bldgs	4.9	505,559
• Total Square Feet	71.7	3.87 (billions SF)



Characteristics of U.S. Government Real Assets Worldwide (2006)

Total Federal Assets	Total Building Assets	Total Land Records	Total Area of Building Assets
1,253,821	505,559	239,899	3.87 billion square feet

Source: GSA Federal Real Property Council (FRPC) 2007,
www.gsa.gov/gsa/cm_attachments/GSA_DOCUMENT/FRPP112007_R2-tl3-v_0Z5RDZ-i34K-pR.pdf

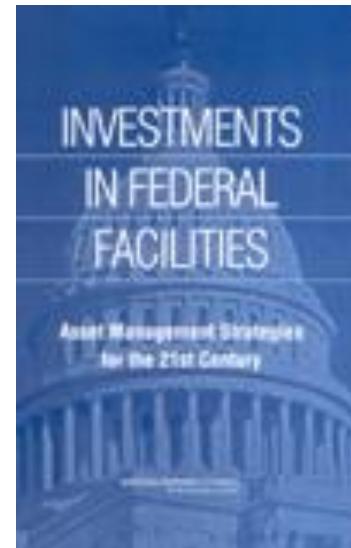
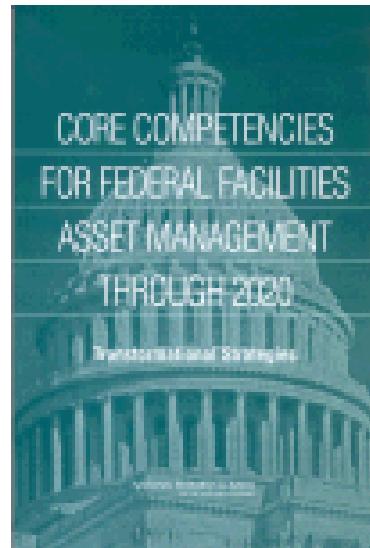
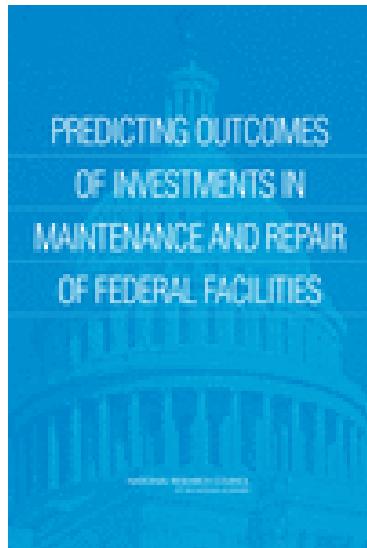


How Well are Federal Facilities Performing? And How Well are We Maintaining Them?

2012

2008

2004



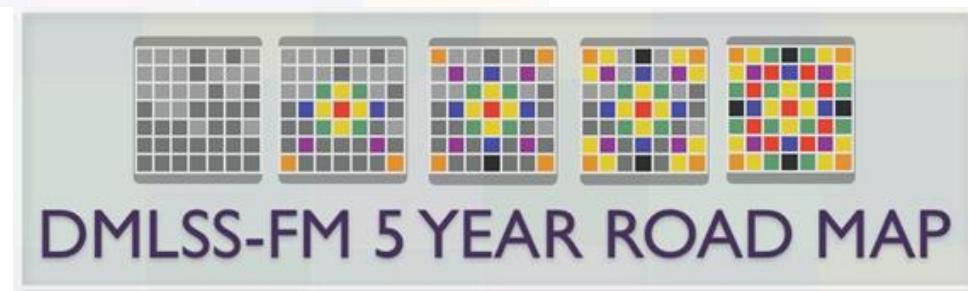
Presentation Purpose and Outcomes

- Introducing FED iFM
 - Outline a Strategic Vision
 - Build Awareness
 - Enlist Support
 - Gather input and feedback



Data and Facility Lifecycle

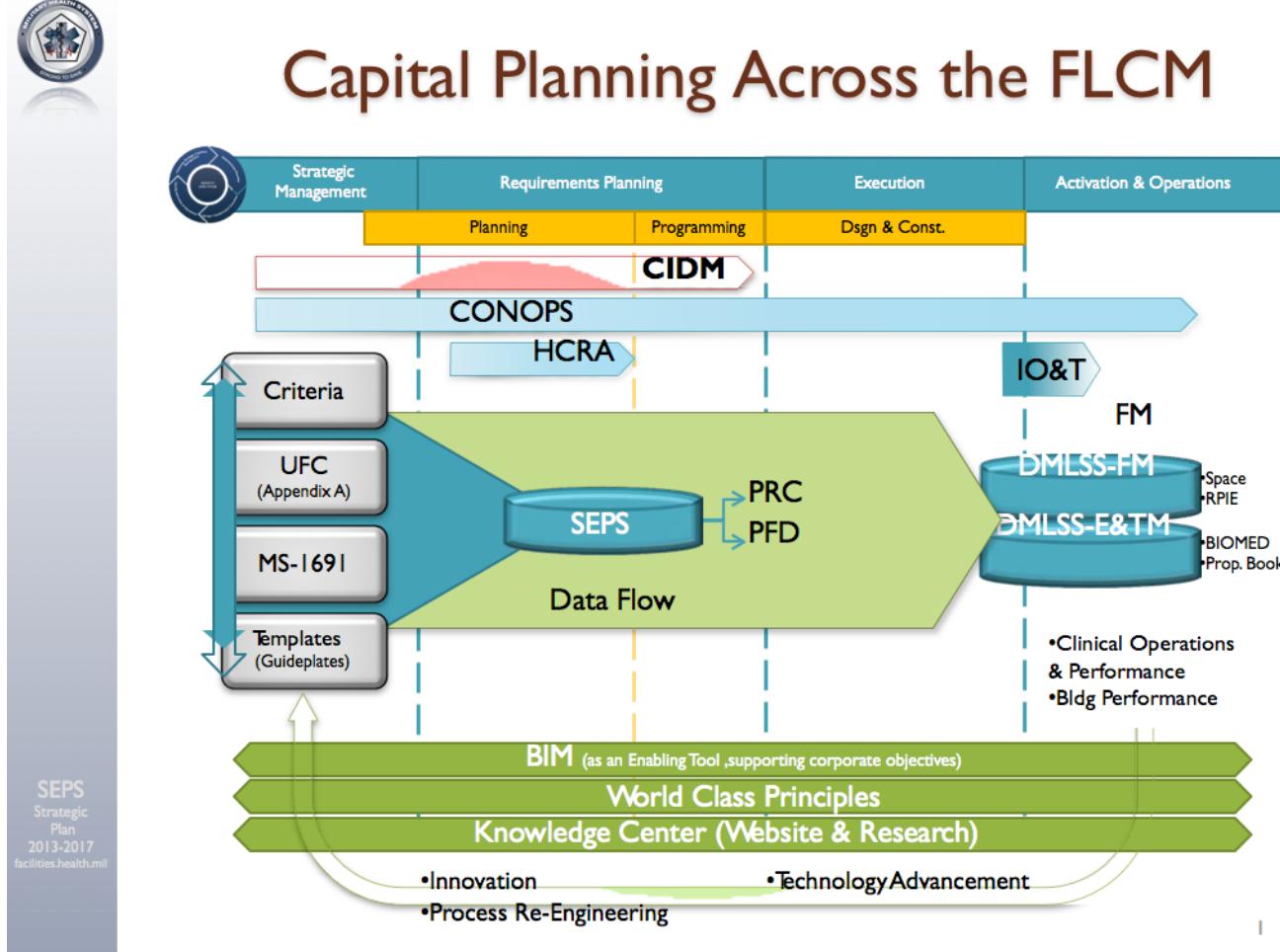
- Building on Strategic Plans and Roadmaps for Department of Defense Military Health System and VA



Data and Facility Lifecycle



FED iFM



Goals of FED iFM

- Introduce a strategic vision for FED iFM
- Share the results of current federal agency initiatives that are striving for the FED iFM vision
- Engage with private sector owners, architects and professional organizations to build a bridge of collaboration and shared interests in achieving the FED iFM vision; and
- Enlist technology service providers to build platforms, applications (apps) and app marketplaces to access agency data repositories and to foster and enable the realization and success of the FED iFM vision



What is FED iFM ?

- Integrated Facility Management for Federal Agencies and the Private Sector
- A Community of Practice
- A Focus on Moving Data from Early Planning through Design, Construction and into Operations and Facility Sustainment
- A Vision of a Technology “hub”—a Software and “App” Ecosystem--for *Rapid and Agile Deployment of Tools and Innovative Practices to Dramatically Improve Efficiency and Effectiveness*



What is FED iFM ? (cont)

- At the outset, focus on Health Care Facilities at the DoD Military Health System and VA and partner with GSA, Smithsonian Institution, NAVFAC, Indian Health Service.
- A broader horizon for all Federal Facilities and the common and shared issues and challenges that need to be addressed
- Founding Stakeholders are: Federal Facility Council (FFC), NIBS Committees, AIA and IFMA
- Open source as well as proprietary commercial technologies
- Cloud- and App-based Agile Environments

FED iFM 2014 Industry Outreach

- Federal Facilities Council
- Private health care owners
- Orgs: AIA AGC IFMA FIATECH NIBS WBDG OGC SAME
- A/Es, CM, constructors, facility managers
- Consultants
- Technology Providers



www.wbdg.org/fedifm (Sign up!)



WBDG
a program of the
National Institute of Building Sciences

DESIGN GUIDANCE PROJECT MANAGEMENT OPERATIONS & MAINTENANCE DOCUMENTS & REFERENCES TOOLS CONTINUING EDUCATION BIM

FEDERAL HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS

FEDERAL MANDATES

CONSTRUCTION CRITERIA BASE

PRODUCTGUIDE

PERIODICALS

CASE STUDIES

PARTICIPATING AGENCIES

INDUSTRY ORGANIZATIONS

[Home](#) > [Documents & References](#) > [FED iFM](#)

Integrated Facility Management for Federal Agencies

FED iFM is an initiative to create shared and common practices for integrated facility management in federal agencies and the private sector. The vision is a technology hub of software and applications that can be used for rapid and agile development of tools or innovative practices for moving data from early planning through design, construction and into operations and facility sustainment. Open source as well as proprietary technologies will be evaluated within an integrated platform of cloud and server-based environments.

Founding stakeholders are the Federal Facility Council, National Institute of Building Sciences, American Institute of Architects and International Facility Management Association. Initially, the focus will be on health care facilities at the Department of Defense Military Health System, General Services Administration, Smithsonian Institution, and Indian Health Service.

Please check back again soon for more information as well as:

- Case studies
- Best practices
- Data standards
- Pilot prototypes
- Community events

UPDATES

Sign up below to receive notifications of new developments in FED iFM.

Name

Email

 COMMENT
 BOOKMARK



Federal Integrated Facilities Management (FED iFM)

Russ Manning

Chief, Operations & Life Cycle Integration Branch

06 February 2014



Challenge

■ Integrated Facility Management

- Computerized Maintenance Management System (CMMS)
 - The CMMS component provides the means to manage the data relating to the real property installed equipment (RPIE) for the facility and its associated preventative maintenance work orders, project management, etc..
- Computer-Aided Facility Management (CAFM) system
 - The CAFM component provides a means to manage the space utilization for the facility in a graphical manner and link to relevant CMMS data. The CAFM also provides a means for the DoD-MHS to comply with the DoD OSD/IE Real Property Inventory Requirements (RPIR).



Major Element Tasks to Support



■ CMMS

- Preventative Maintenance (PM)
- Work Orders
- Asset Management / Real Property (RPIE)
- The Joint Commission (TJC) Environment of Care (EoC)
- Project Management
- Reports
- Etc.

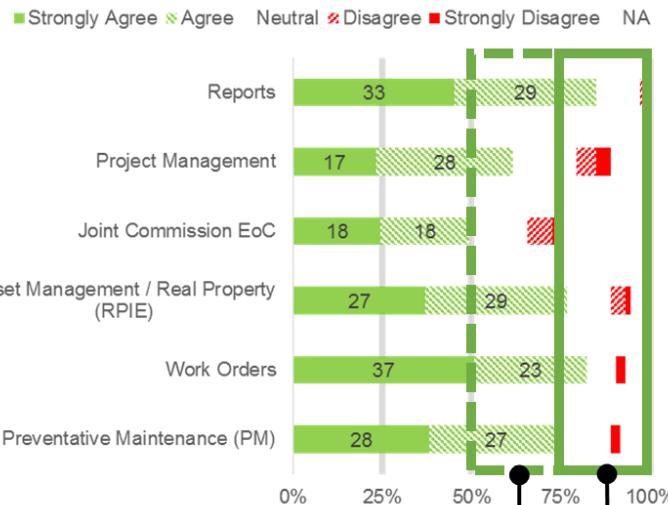
■ CAFM

- Drawings / Drawbase
- Space Management
- Key Control ♣
- Real Property Inventory Requirements (RPIR) Fields
- Reports
- Etc.

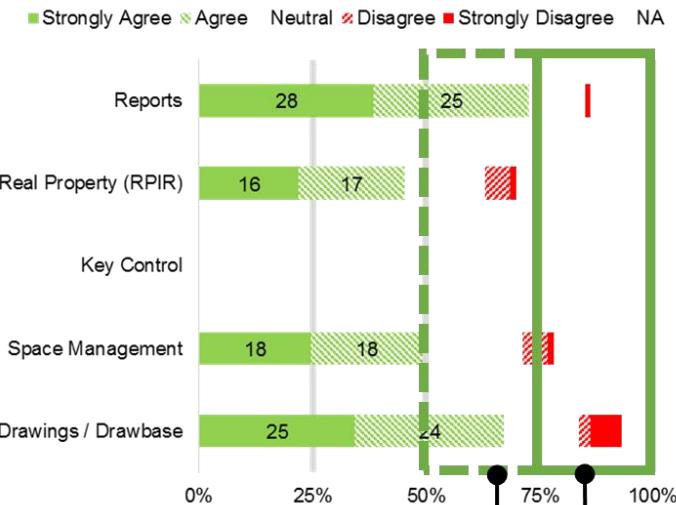


Current User Feedback “Supports Doing the Job”

CMMS



CAFM

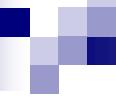


Strongly Agree in the 3rd Quartile

Agree + Strongly Agree in the 4th Quartile

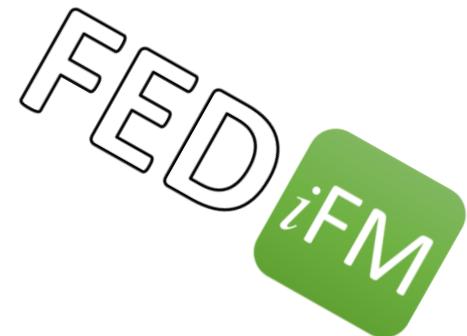
Strongly Agree in the 3rd Quartile

Agree + Strongly Agree in the 4th Quartile



Vision / Concepts / Goals

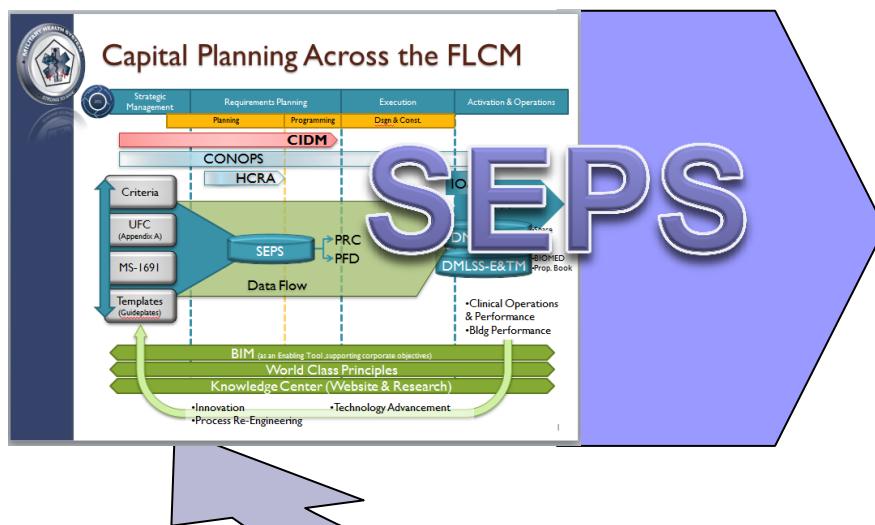
- Integrating FM solutions
- Shared data set across tools
 - NOT each tool capturing the same data
- Best tools for the given tasks
 - Sharing data from central data repository
- Web-centric solutions
- Secure to DoD Standards
- Working collaboratively with other Federal FM community partners





Broader Integration Vision

Objective: Effective **Data** Exchange across the Life Cycle



**BIM
GIS
COBIE
ETC.**

FED iFM

Russell Manning DHA Kimon Onuma FAIA





Department of Defense Military Health Current Work Order Process

Imagine if this can be
reduced by 30% per year

114,322 days per year to manage DMLSS FM Work Orders

114,322 Days x \$992 Per Day Full Burdened Rate = \$113,407,424

Calculated
as 8 hour
days

16,332 Days

+

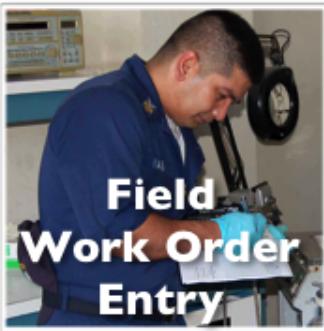
32,663 Days

+

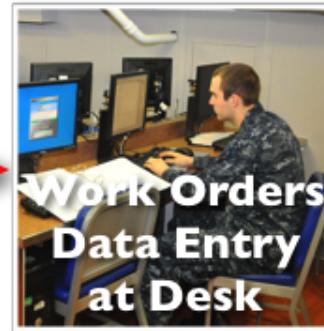
48,995 Days

+

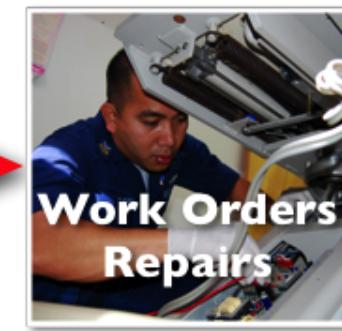
16,332 Days



DoD Wide
783,917
Work Request
in 2012



Go back to
Workstation
Enter into
DMLSS FM



Send Field
Tech to
Respond



Close out
Work
Order

Hosted DMZ Test Environment from V3.5-v3.9

DMLSS FM Data - Services Oriented Architecture

The tools used to demonstrate the concept are not selected as the only solutions possible, but to illustrate what type of an ecosystem could develop in the next version of DMLSS FM once a services oriented architecture is enabled. Other vendors are encouraged to demonstrate how their solutions fit into the DMLSS FM Ecosystem.



(Or other Server)





Other Agencies and Potential Connections



West Point
The United States Military Academy

HBC
Healthcare
BIM
Consortium

National Institute of
BUILDING SCIENCES
for the Built Environment



GSA

FOUNDATION for CALIFORNIA
COMMUNITY COLLEGES

TECH

UNIVERSITY OF CALIFORNIA
OFFICE OF THE PRESIDENT



Many
More..



Strategy & Programming



Early Planning



Design



Construction



Operations

Cross Cut through All

KML

GML

XML

IFC

COBie

REST



DMLSS FM Data - Services Oriented Architecture

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(Or other Server)





Concept

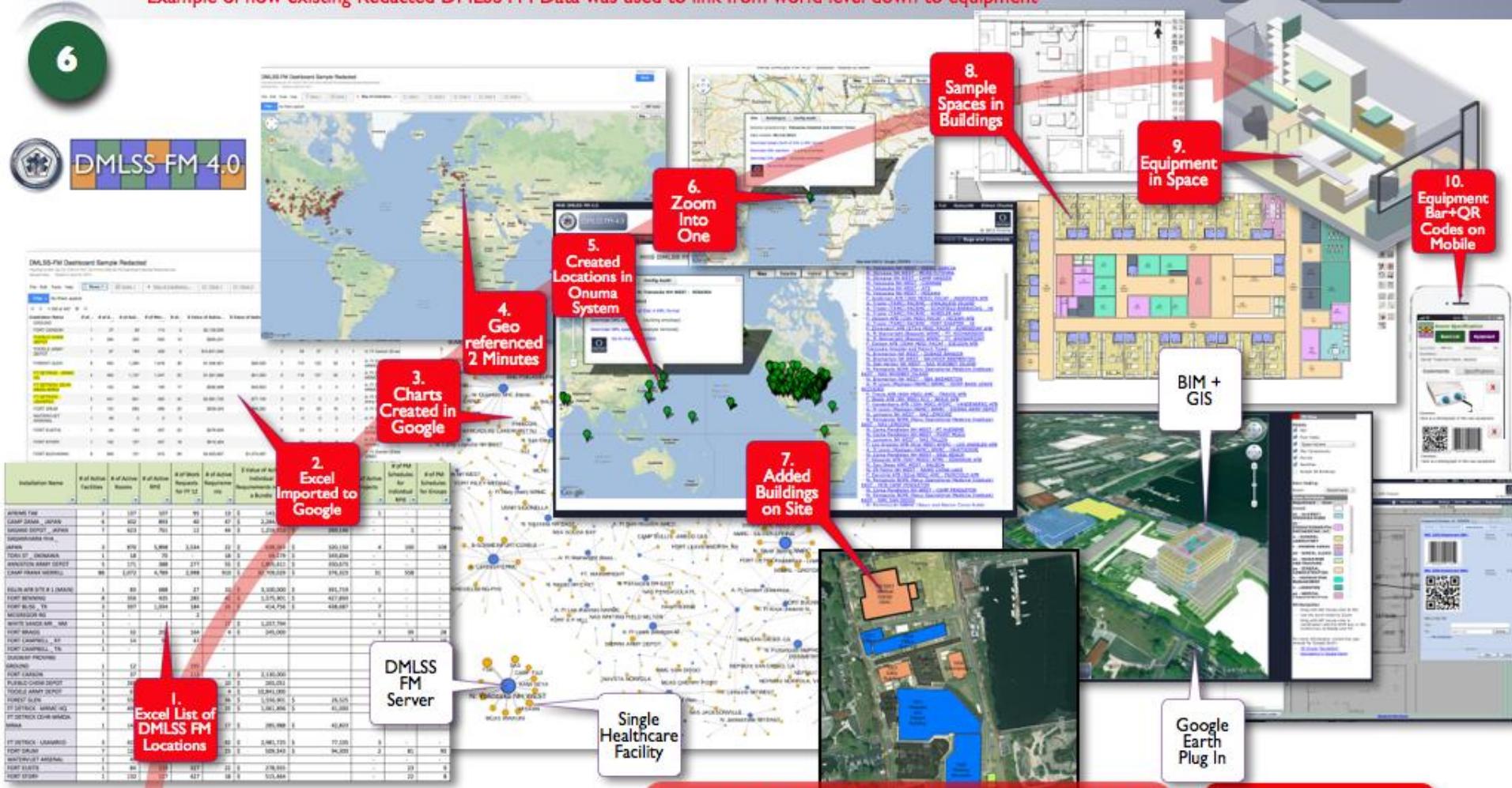
Portfolio and Life Cycle

Example of how existing Redacted DMLSS FM Data was used to link from world level down to equipment



6

DMLSS FM 4.0



DMLSS FM Data - Services Oriented Architecture

The tools used to demonstrate the concept are not selected as the only solutions possible, but to illustrate what type of an ecosystem could develop in the next version of DMLSS FM once a services oriented architecture is enabled. Other vendors are encouraged to demonstrate how their solutions fit into the DMLSS FM Ecosystem.



(Or other Server)



Prepared by: Onuma, Inc.

HT9402-11-D-0001 - Task Order 0012 - 100% Submittal





The Technology is Available Today to Webservice Enable Complex Data



Is this a Dashboard, GIS, BIM, or Facility Application?

It is all and more & DMLSS FM 4.0 should function like this.

Enabled by GPS

The servers are accessible 99.9% of the time. IT just works.

Users have come to expect this level of interactivity with data.

Searches through **massive amount** of facility data from multiple sources in real time, on your phone....

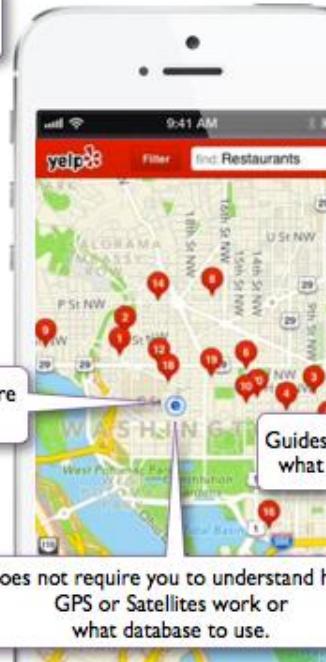
Dashboard

Live Data, Review, Address, Links
Ratings, Cost, Photos



Location

Maps, Google, Bing, ESRI + More
Filter and Create Map on Fly



Facility Data

Contact, Menu, Live Reservations
Live Reviews, Website Link



Much More

Map, Directions, Transit,
Write Review, Add your Photos



Zero training Needed.

Knows where you are.

Does not require you to understand how GPS or Satellites work or what database to use.

Guides you on what to do.

Voice recognition allows you to ask questions in English

Shares photos that others have taken with you.

Automating Machine to Machine Communication lets humans focus on the task at hand.

Asking for direction can launch another mapping app to show you live traffic.

Lets you add your own data to share with others.

And it is free.

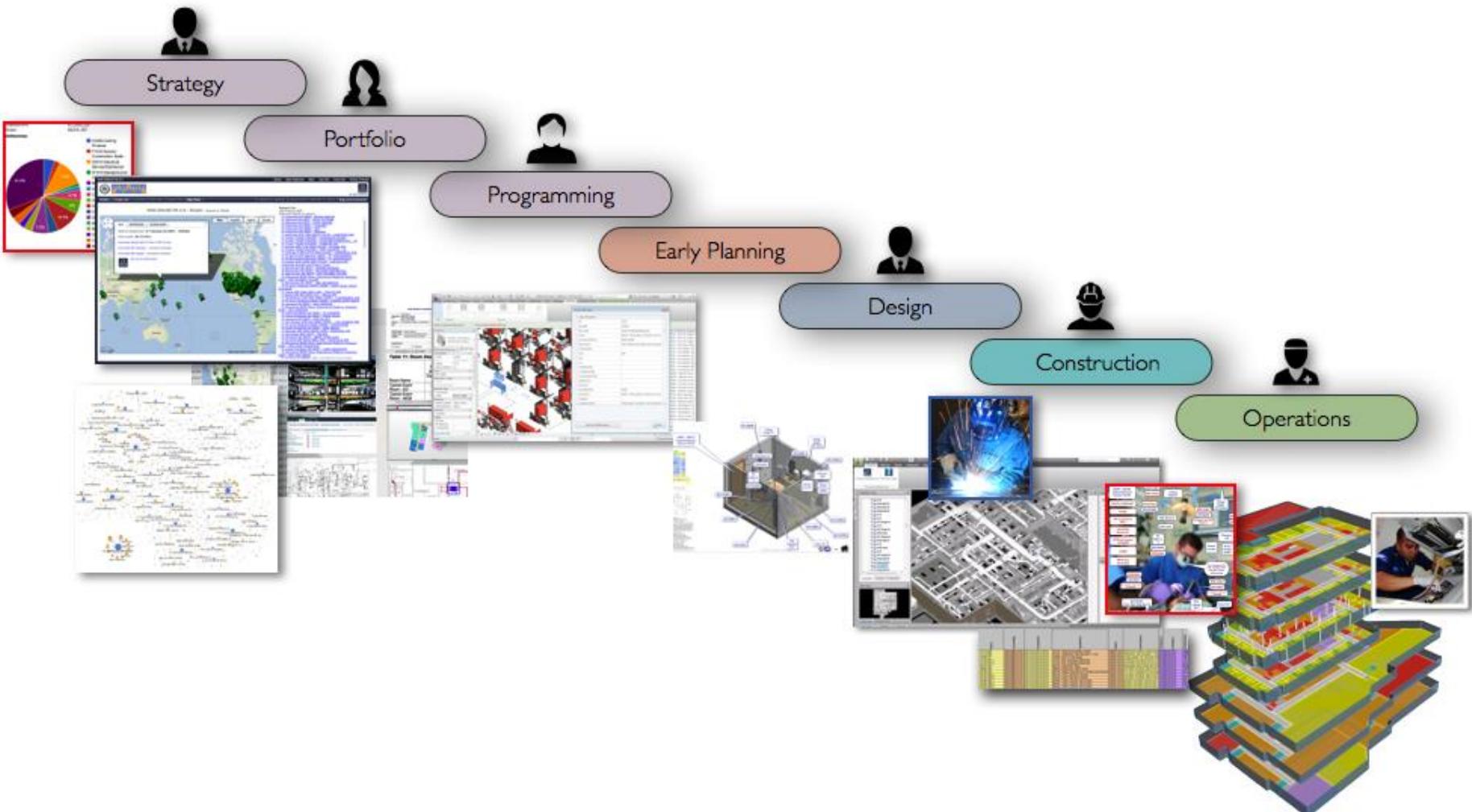
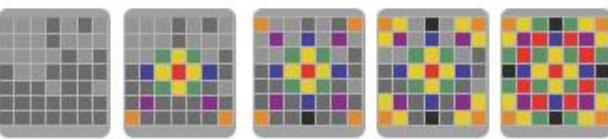
DMLSS FM Data - Services Oriented Architecture

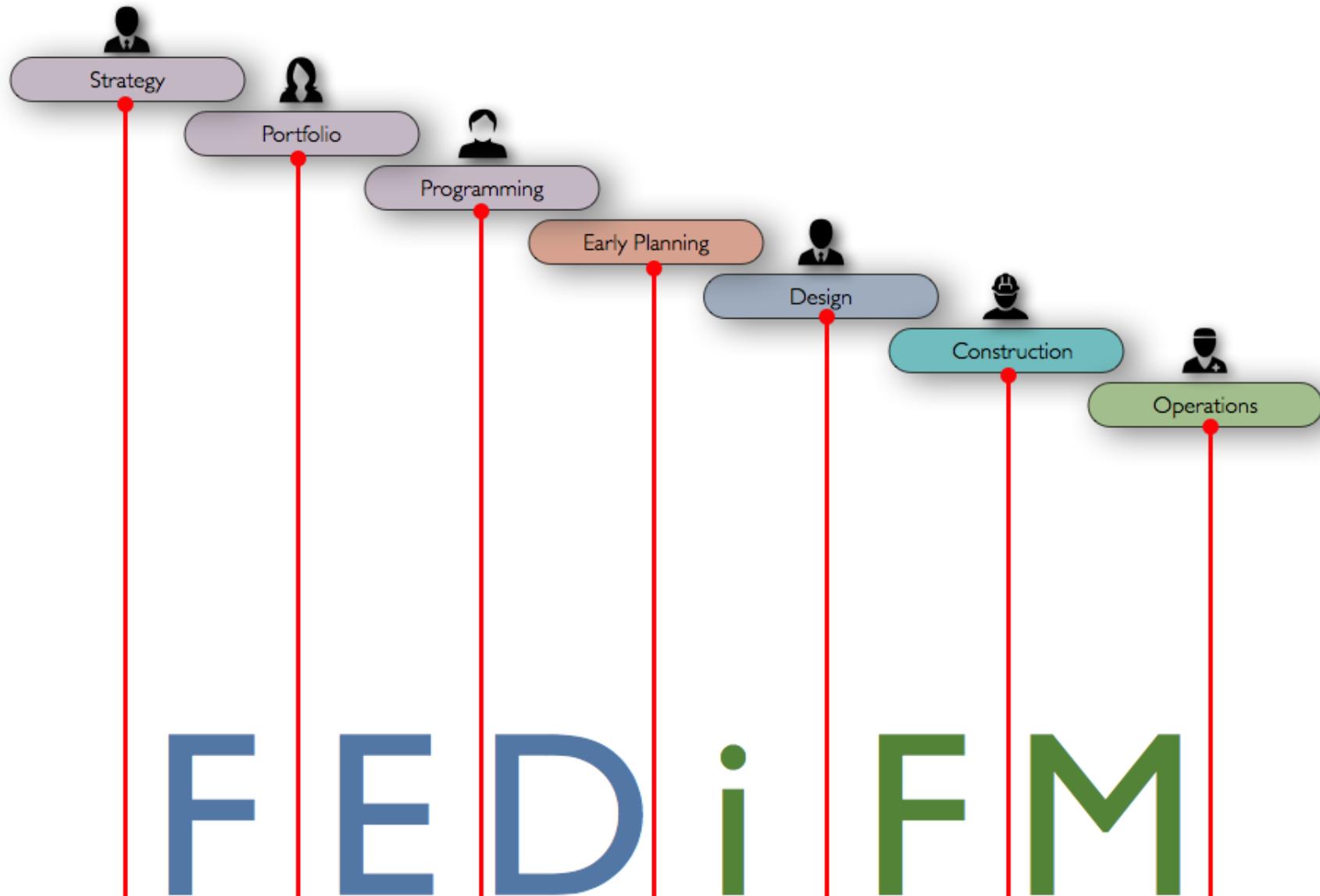
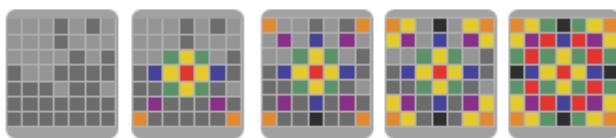
The tools used to demonstrate the concept are not selected as the only solutions possible, but to illustrate what type of an ecosystem could develop in the next version of DMLSS FM once a services oriented architecture is enabled. Other vendors are encouraged to demonstrate how their solutions fit into the DMLSS FM Ecosystem.



Screenshots of Yelp iOS App









FM

Section 02: Equipment Definitions

GSA National Equipment Standard

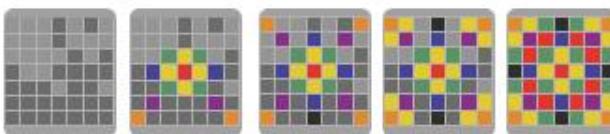
www.gsa.gov/bim



Design

Build

Operate



RPIM

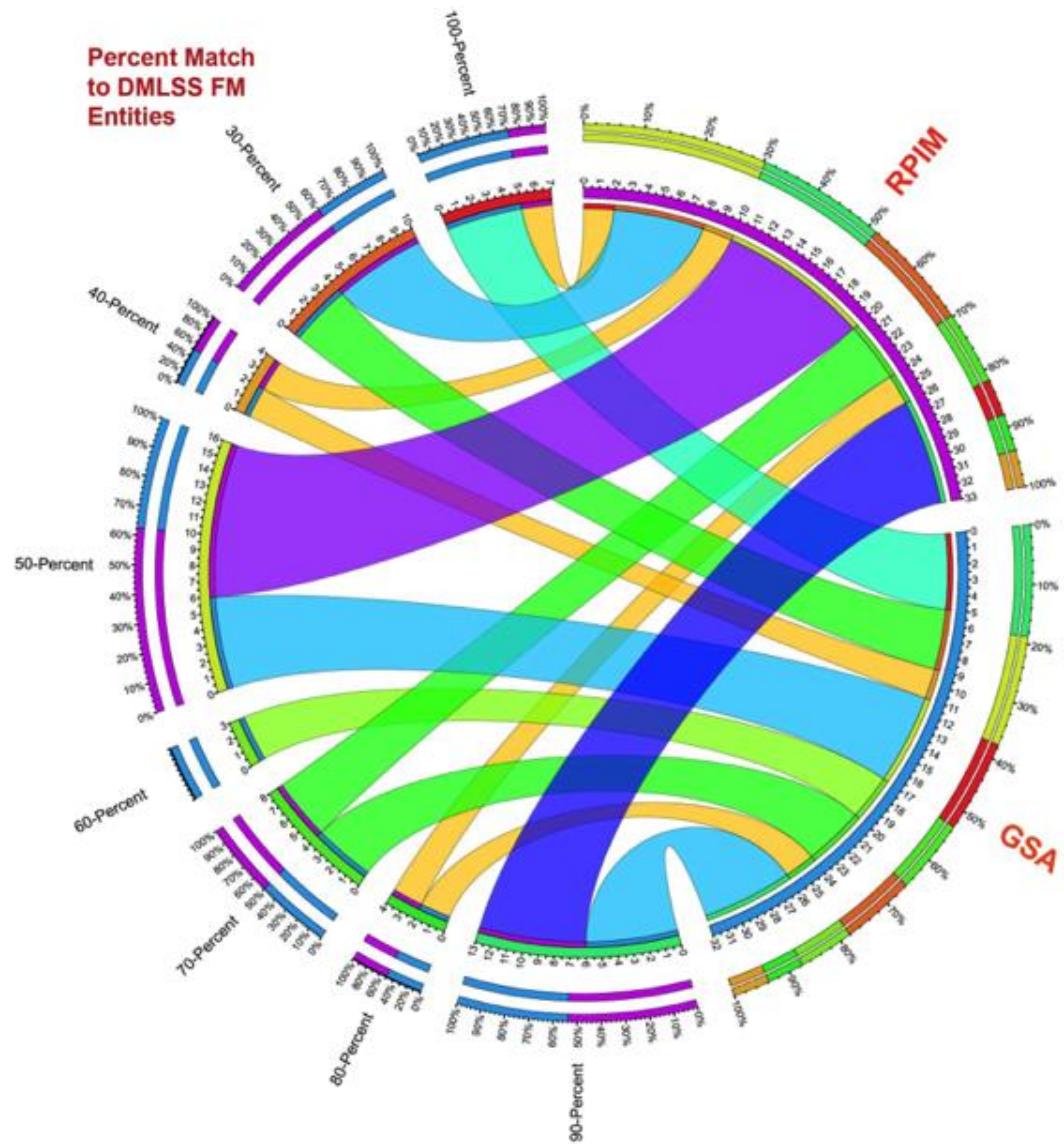
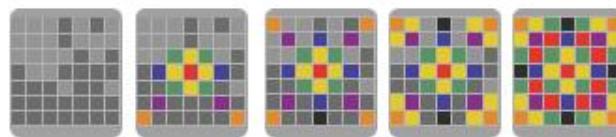
DMLSS - FM

GSA NEST

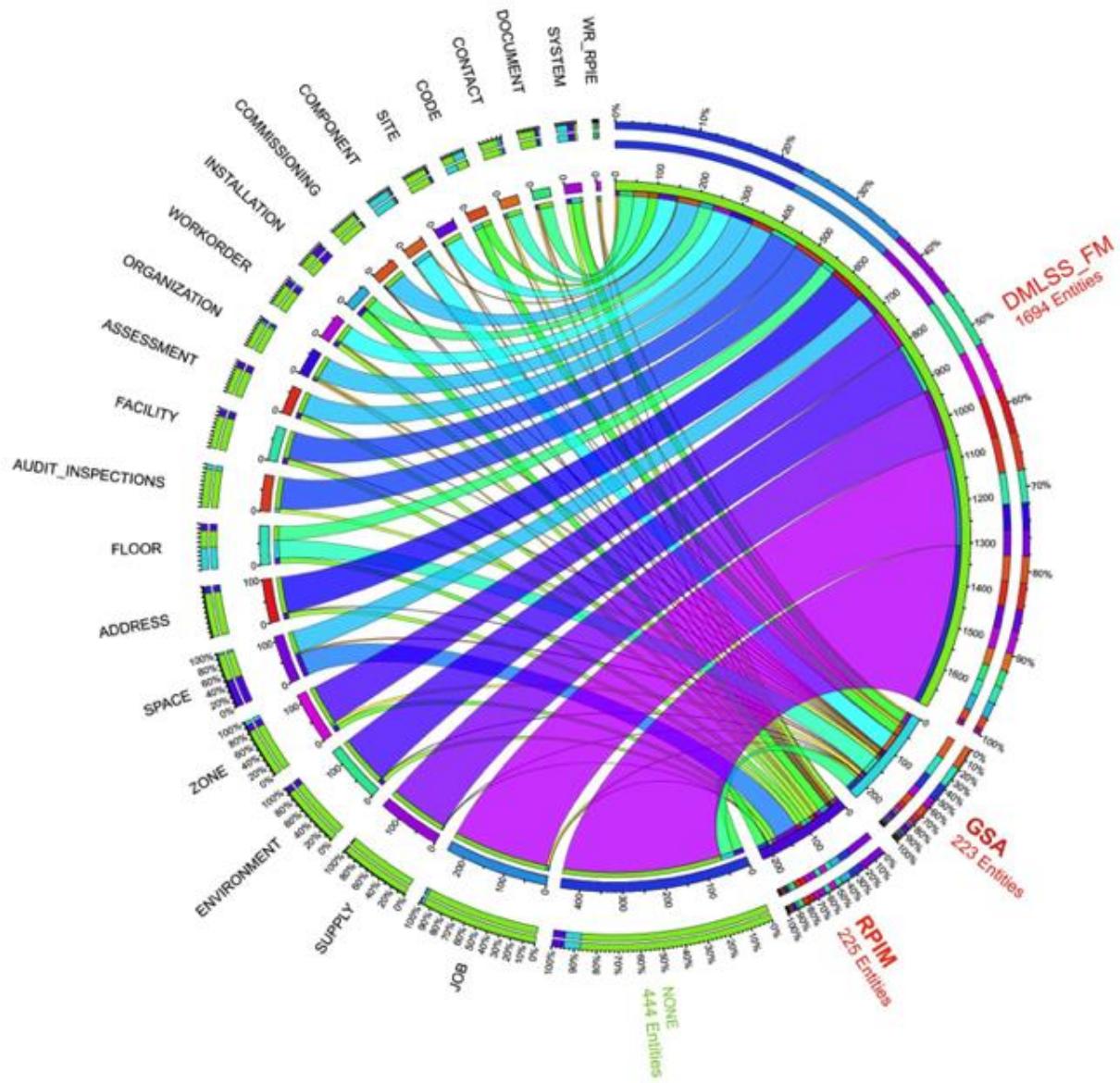
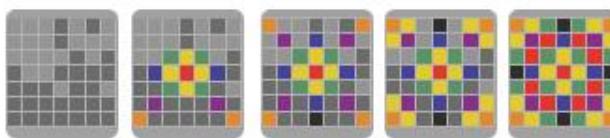
No Single System
Covers Everything

Step A - Map DMLSS to RPIM and GSA Entities

Percentage of Match Confidence Level

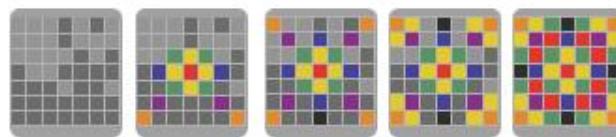


Step B - Map to Common FED iFM Entities



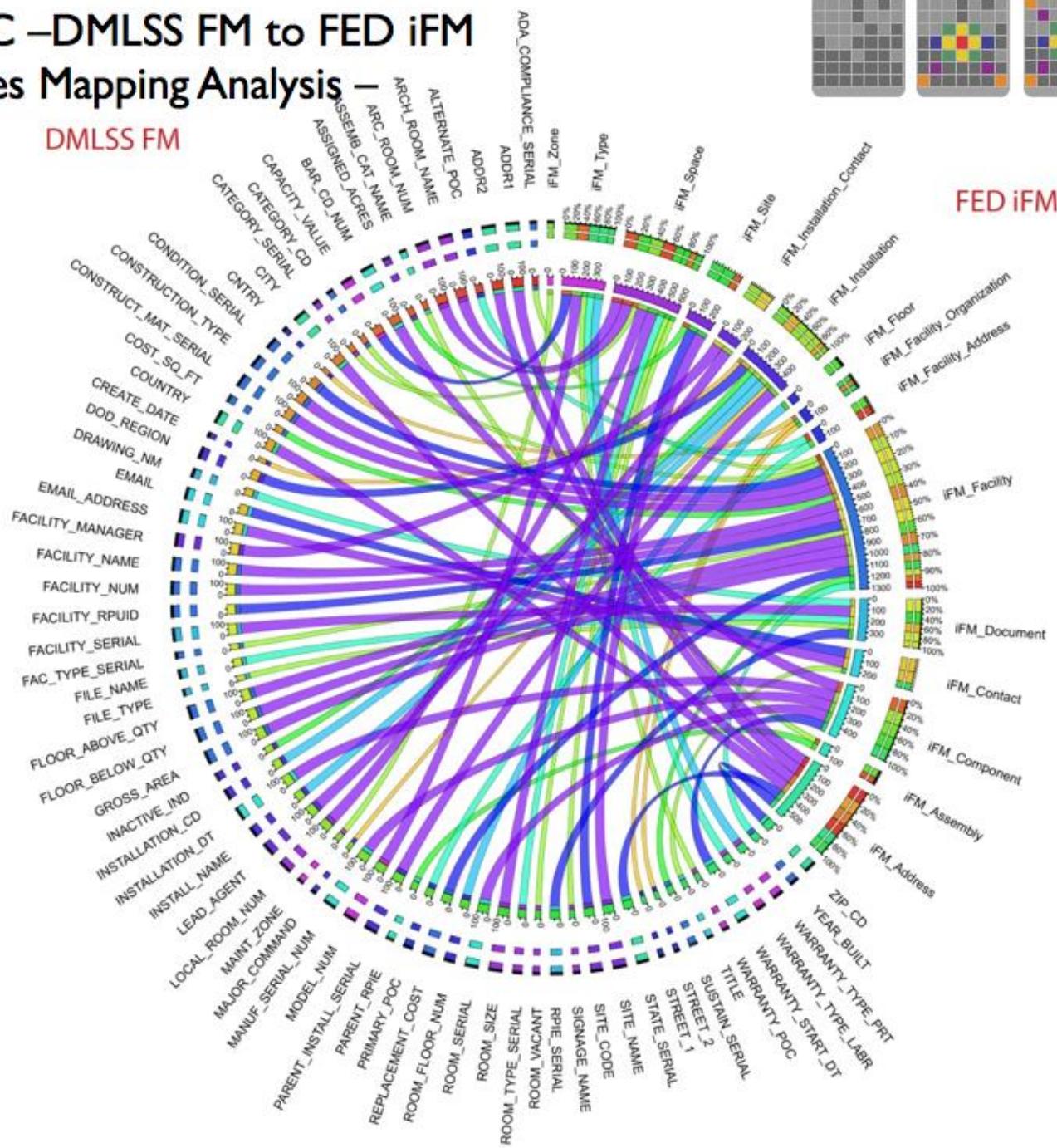
Step C –DMLSS FM to FED iFM

Entities Mapping Analysis –

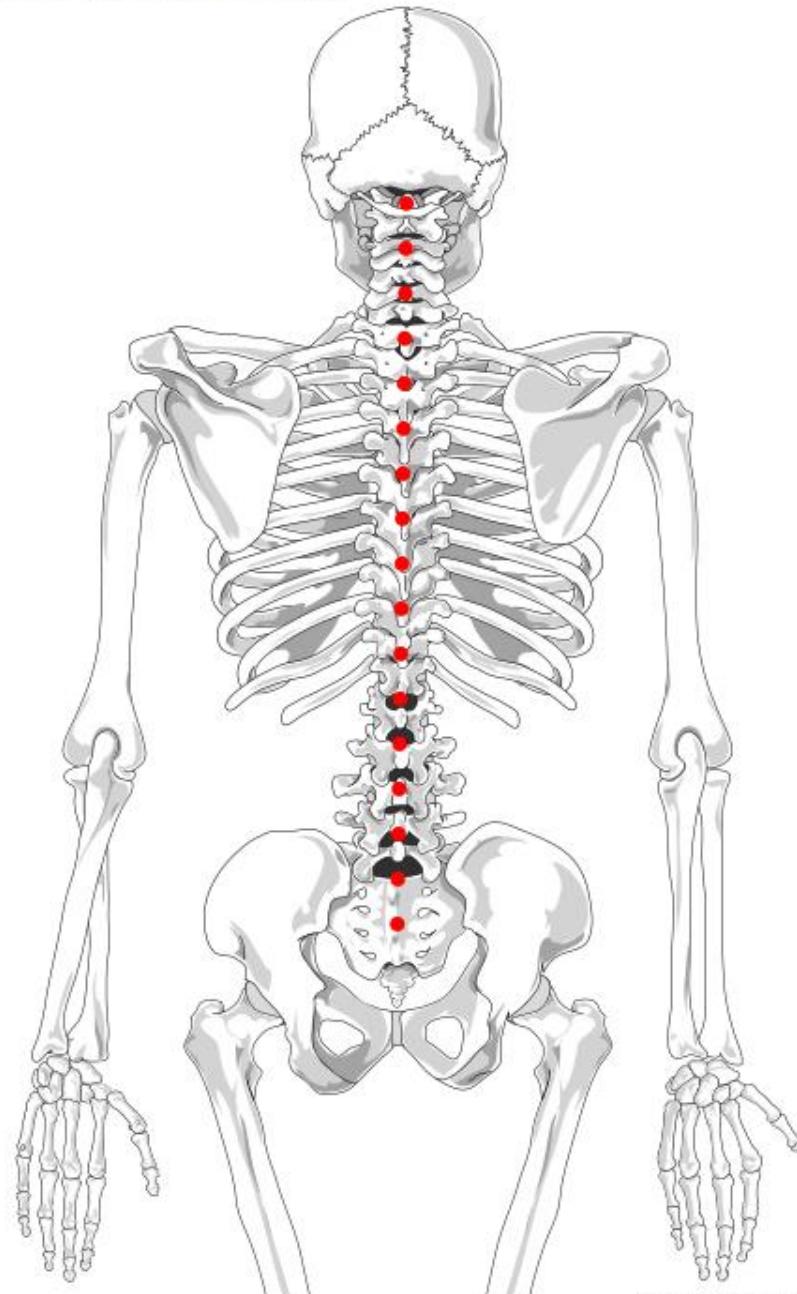


DMLSS FM

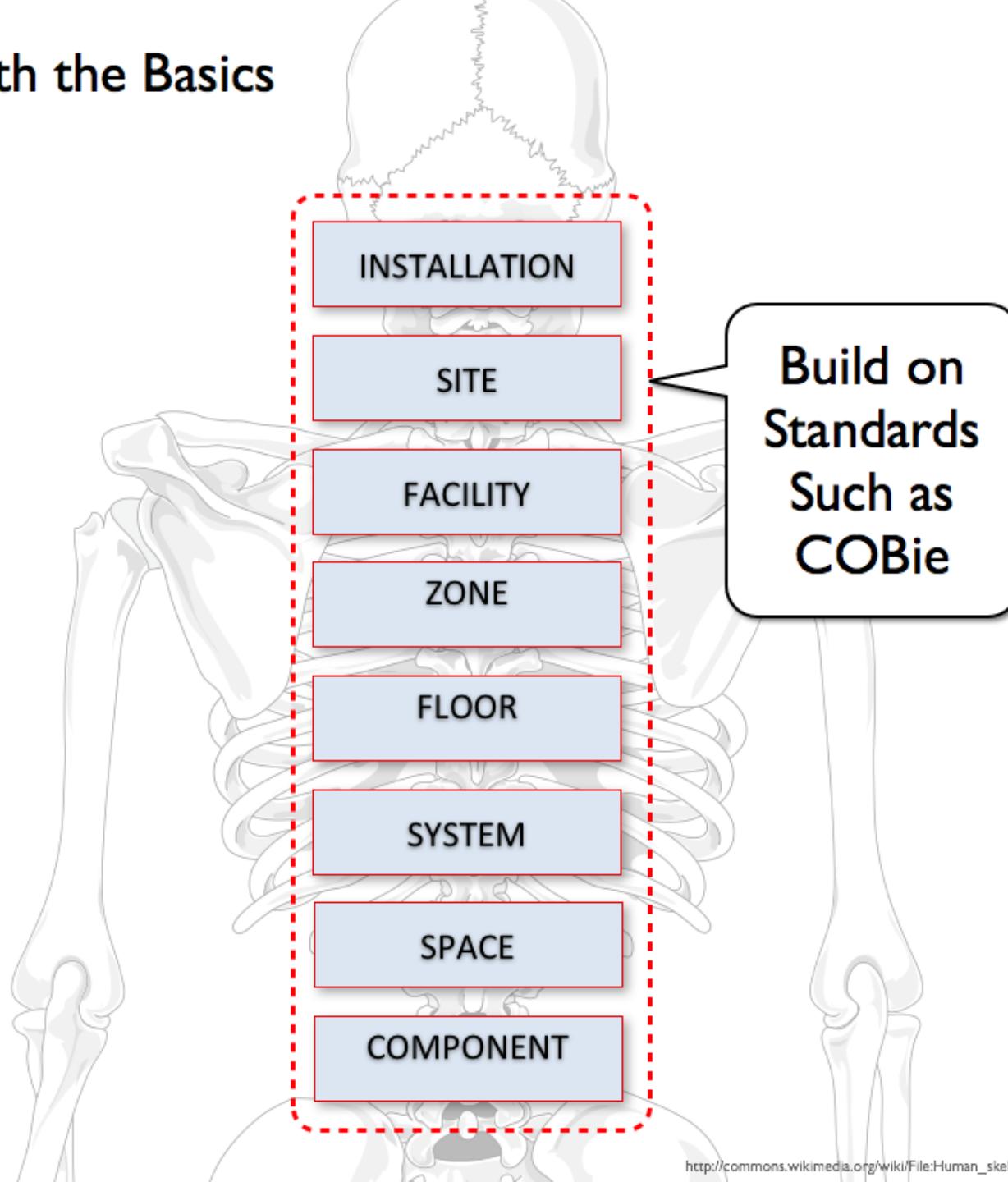
FED iFM



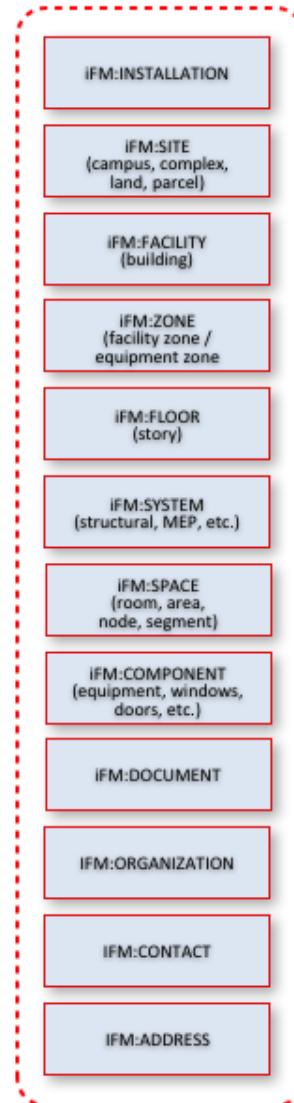
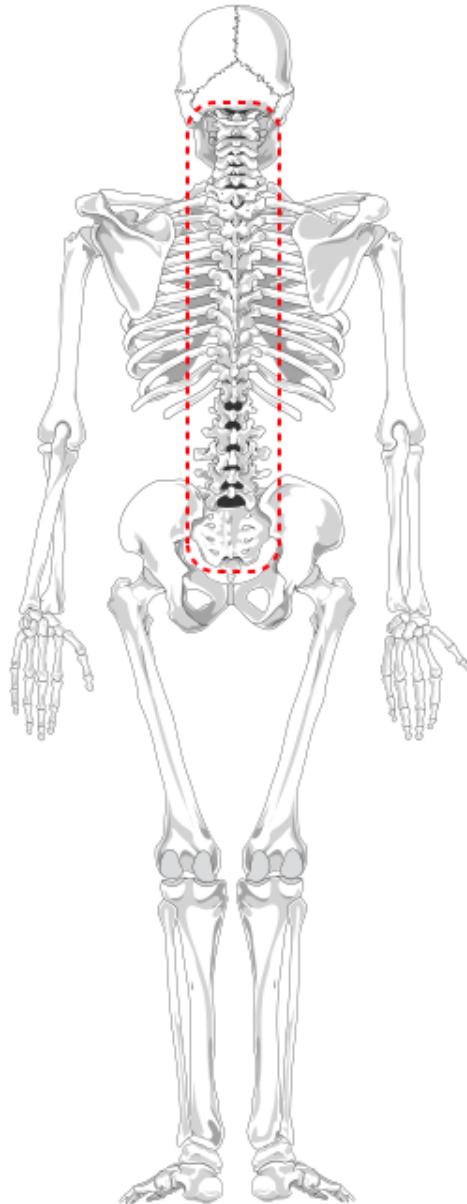
FED iFM is Like a Backbone



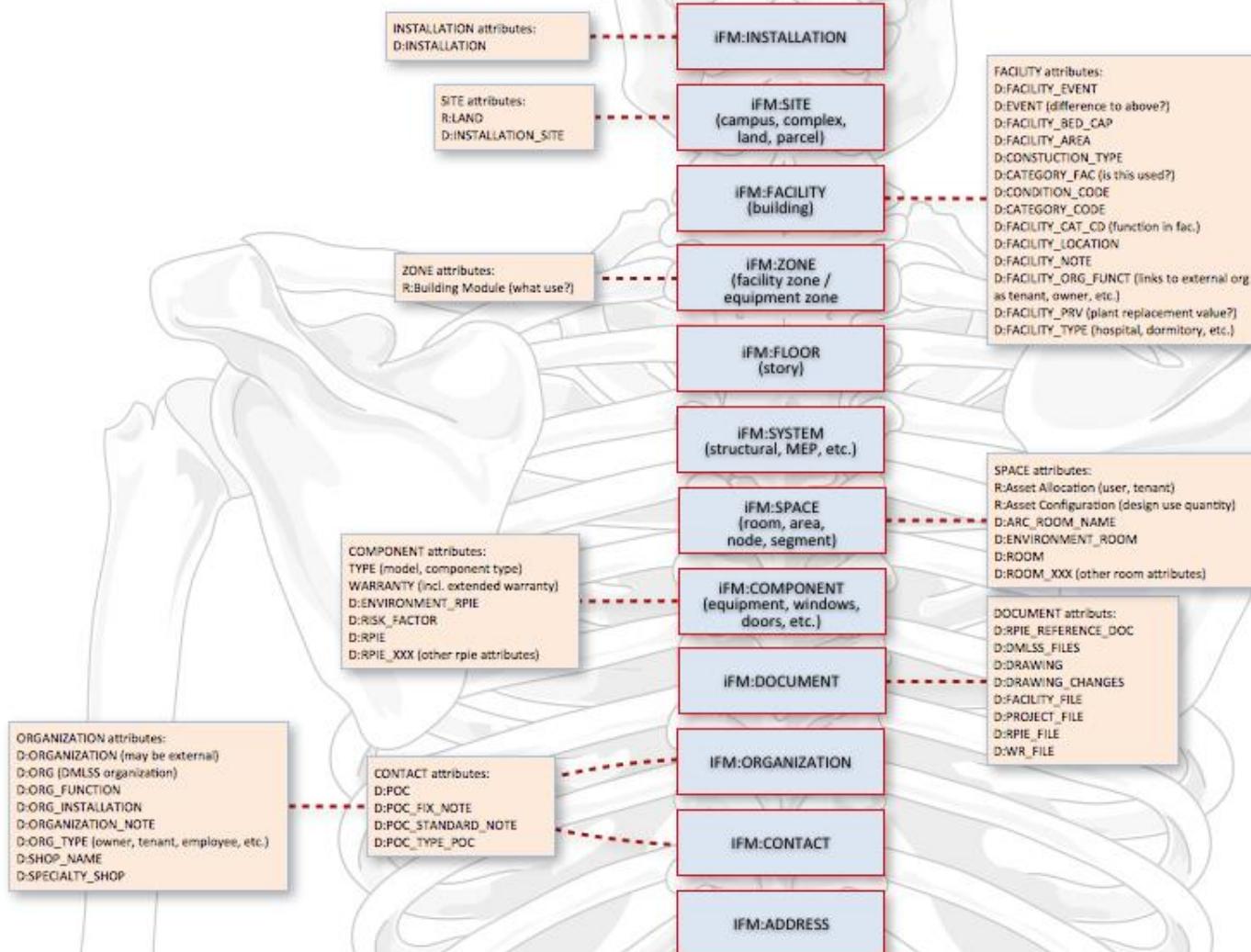
Start with the Basics



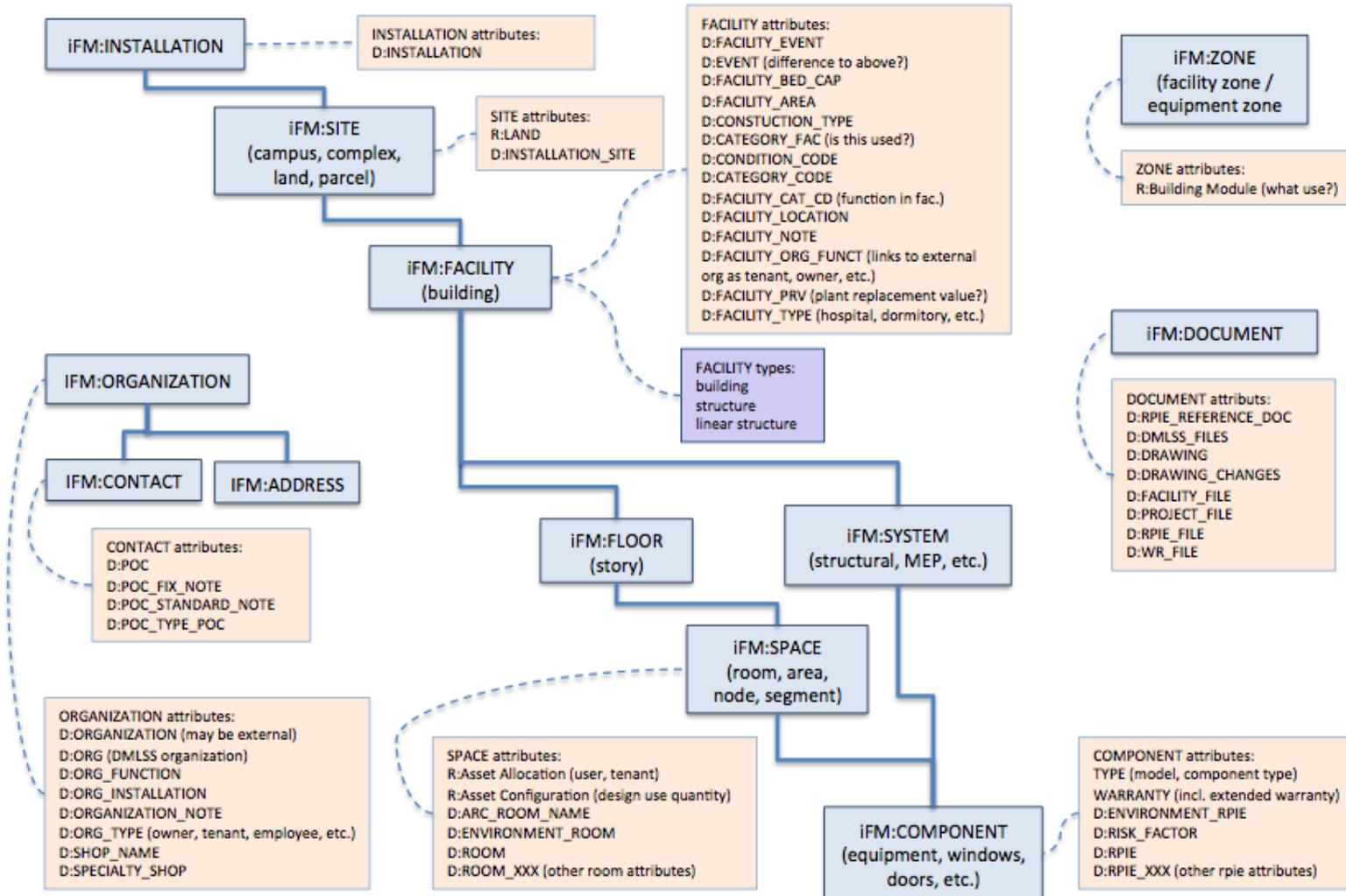
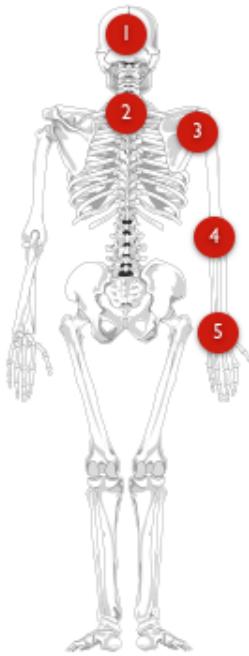
Build a Backbone First



Expand with Attributes



Define Relationships



IFM:WORKORDER
 D:WR_RPIE

work order attributes:

- D:COORDINATION (manager to liaison)
- D:CONTRACT_FM (contract information)
- D:CLASS_TYPE
- D:WR_RPIE
- D:ASSIGNMENT
- D:ASSIGNEMENT_REASON
- D:CLOSE_OUT_REASON (cancelled, invalid, etc.)
- D:COST_INFORMATION
- D:FM_ESTIMATE (how is this used?)
- D:IMPACT
- D:IMPACT_REASON
- D:IMPACT_TYPE
- D:LABOR_ESTIMATE
- D:PRIORITY_GROUP
- D:PROJ_JOURN_ACTION
- D:PROJ_PRIORITY_TYPE
- D:PROJ_PROJ_CODE
- D:PROJECT
- D:PROJECT_XXX (all project related attributes)
- D:RELATED_CAUSE
- D:WORK_REQ
- D:WORK_XXX (all work request related attrib.)
- D:WR_ACTION (work request action)
- D:WR_XXX (all WR related attributes)
- D:WR_WR (preventive vs repair)

IFM:SUPPLY

SUPPLY attributes:

- D:CUST_CAT (catalog items)
- D:COMM_CLASS (supply categories)
- D:CUSTOMER (supply – is this correct?)
- D:EOQ (ordered items)
- D:EOQ_CONTRACT (ordered items)
- D:EOQ_FUND_DATA
- D:ITEM_LOC
- D:ITEM_PACKAGING
- D:ITEM_RECIPIENT
- D:MTF_CAT (purchasable item)

IFM:REFERENCES: value lists, drop down):

REFERENCES attributes:

- D:CAPACITY_UNIT
- D:CHECKLIST_DESK
- D:CHECKLIST_STATUS
- D:RECORD_TYPE
- D:SPECIFICATION_UNIT

POSSIBLE IFM ENTITIES
IFM:JOB
 (job task, sched. maintenance)

JOB attributes:

- D:MAINT_PROCEDURE
- D:MAINT_PROC_NOTE
- D:RPIE_SCHEDULE

IFM:AUDIT_INSPECTIONS

SAFETY attributes:

- D:SAF_REQ_ROOM (is this safety req?)
- D:SAFETY_CLASS
- D:SAFETY_XXX (all safety attributes)
- D:SURVEY

IFM:ENVIRONMENT

ENVIRONMENT attributes:

- D:ENVIRONMENT_HAZARD

IFM:ASSESSMENT
 (condition assessments, etc.)

IFM:CODE
 (regulations)

IFM:COMMISSIONING
REAL PROPERTY ASSET

financial
legal
physical

RPA-FINANCIAL attributes:

- D:ELEMENT_OF_RESOURCE (expenditures)
- R:Asset Review
- R:Forecasting
- R:Funding
- R:Capitol Improvement
- R:Disposal
- R:Excess
- D:FUND
- D:PROJ_FUND_SOURCE
- D:PROJ_FUND_ACT
- D:PROJECT_FUND_REQ

RPA-LEGAL attributes:

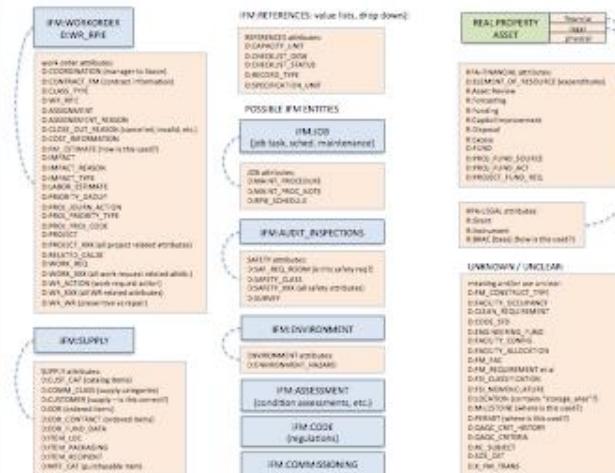
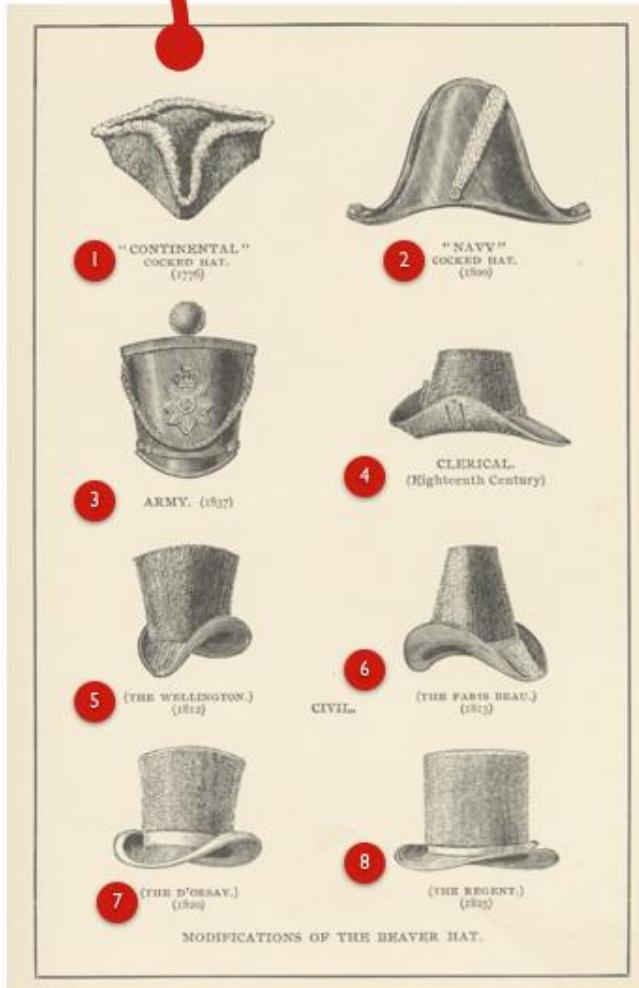
- R:Grant
- R:Instrument
- R:BRAC (base) (how is this used?)

UNKNOWN / UNCLEAR:

meaning and/or use unclear:

- D:FM_CONSTRUCT_TYPE
- D:FACILITY_OCCUPANCY
- D:CLEAN_REQUIREMENT
- D:CODE_STD
- D:ENGINEERING_FUND
- D:FACILITY_CONFIG
- D:FACILITY_ALLOCATION
- D:FM_FAC
- D:FM_REQUIREMENT et al
- D:FSI_CLASSIFICATION
- D:FSI_NOMENCLATURE
- D:LOCATION (contains "storage_area"?)
- D:MILESTONE (where is this used?)
- D:PERMIT (where is this used?)
- D:QAQC_CRIT_HISTORY
- D:QAQC_CRITERIA
- D:RC SUBJECT
- D:SOS_CAT
- D:X_FM_TRANS

Modules Allow for Infinite Expansion on Top of Backbone





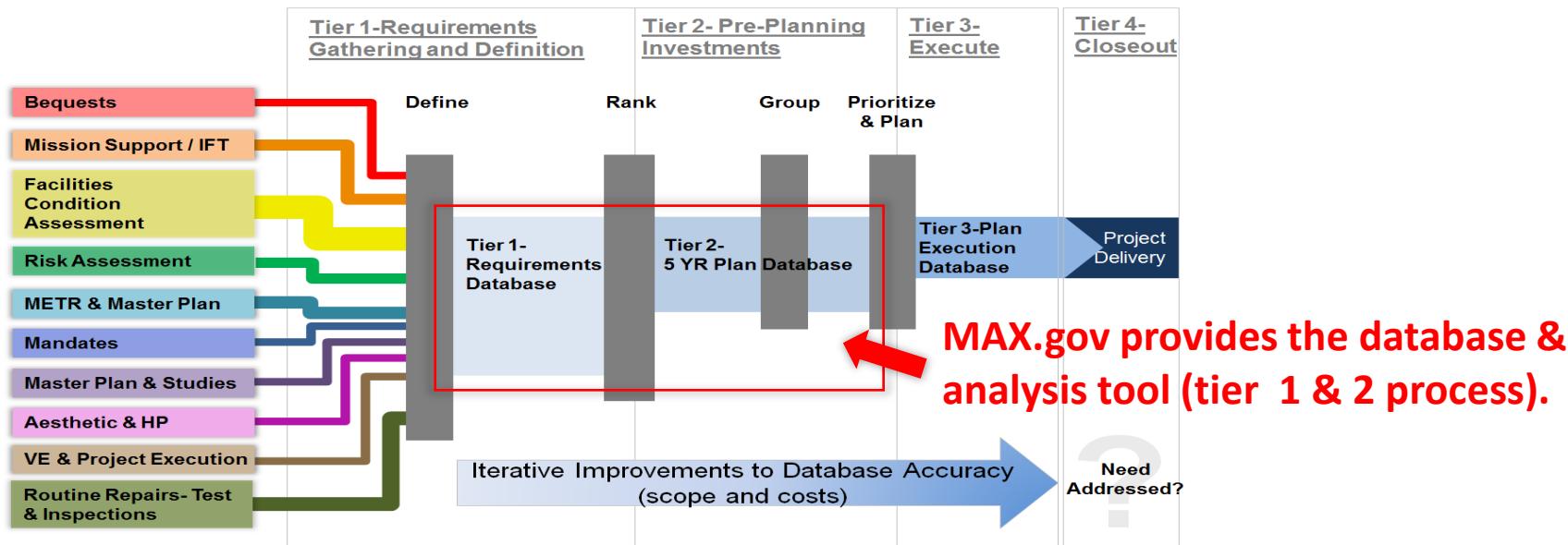
- Smithsonian Already has a Leading Initiative!
- VA and DoD are moving to Max.Gov!



Structured Work Processes for Pre Project Planning

Facility Investments and Cost Engineering (FICE) is a branch that supports the three main divisions of OPDC. Through a structured process, it reviews all project requirements to establish project budgets and prioritizations for use by the IFTs in their pre project planning process: The pre project planning structured process includes:

- Requirements (Tier 1)**
 - 1. Defining requirements to address needs based on risk,
 - 2. Ranking these requirements,
- Cost/Funding (Tier 2)**
 - 3. Forming projects based on highest ranking requirements and costs
 - 4. Prioritizing and assigning funding source with FY for 5 year planning



VA and DoD Also Leading the Way !!



U.S. Department
of Veterans Affairs



Department of Defense
**Military Health
System**

FED iFM

Welcome to the Space and Equipment Planning System (SEPS)

Space and Equipment Planning System
<https://seps.max.gov/ProjectAdministration/Home.aspx>

Tools Utilities Help Exit U.S. Departr

SEPS - Project Administration [Project Builder]

Project: POLYTRAUMA CRITERIA DEVELOPMENT (SETTING UP PROCESS FOR UPDATING CRITERIA)
Department: POLYTRAUMA REHABILITATION CENTER (111)

Display Agency Names Criteria Names

POLYTRAUMA CRITERIA DEVELOPMENT (SETTING UP PROCESS FOR UPDATING CRITERIA)
 01- POLYTRAUMA REHABILITATION CENTER (111)

General	Input Data Worksheet	Program for Design (PFD)	Contents	Permissions
Criteria Name POLYTRAUMA REHABILITATION CENTER (111)	Agency Name * POLYTRAUMA REHABILITATION CENTER (111)	Default NTG Factor 1.65	Current NTG Factor * 1.65	
Department Notes				



- Security is Critical and a Top Priority!!!
 - Michael Chipley



Securing the Data – MAX.gov

The screenshot shows the MAX.gov login interface. At the top, there is a navigation bar with links for Home, Manage Password, and Contact Us. To the right, there are buttons for "Don't Have a MAX ID Yet?" and "Register Now". Below the navigation bar, there are three main login options:

- User ID & Password:** This section includes fields for "User ID" (with a checkbox for "Set a Personal Username") and "Password" (with a "Forgot or change your password?" link). A "LOGIN" button is located below these fields.
- PIV or CAC Card:** This section instructs the user to "Please make sure your card is plugged into the reader" and shows a placeholder image of a PIV or CAC card. A "LOGIN WITH YOUR PIV OR CAC" button is located below the card image.
- Agency Federated Partner Login:** This section provides links to various agencies: NASA, DOJ, HHS, MCC, and USAID. It also includes links for "NAVMED", "T", "Coming Soon", and "Links".

At the bottom of the page, there is a taskbar with icons for various Windows applications and a status bar showing the time as 10:29 AM and the date as 2/5/2014.

Security begins with Two Factor Authentication



Securing the Data - FedRAMP

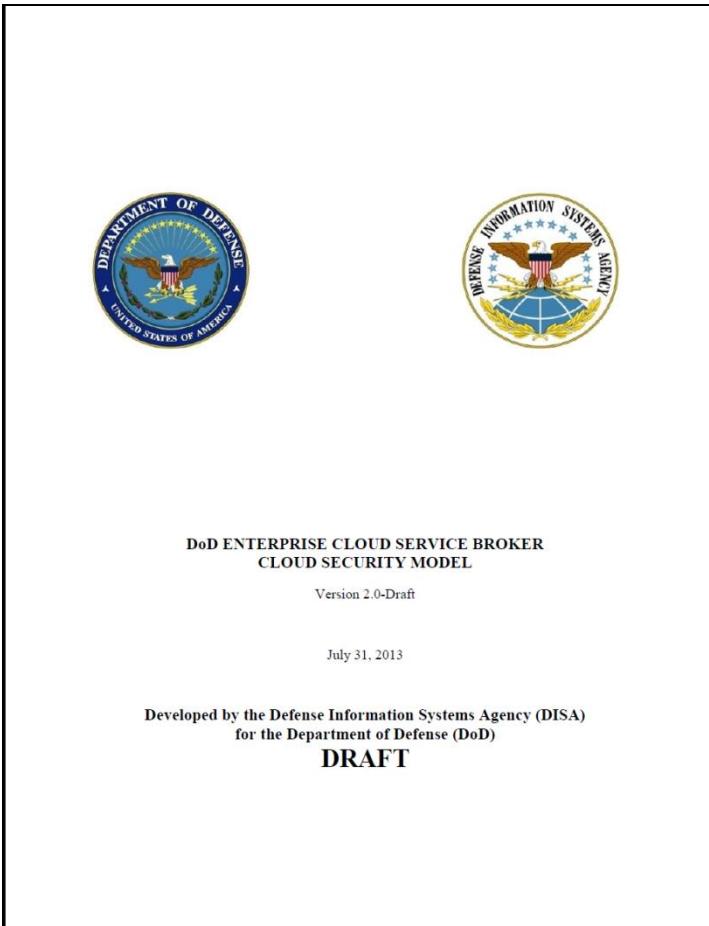
Screenshot of the GSA FedRAMP website (http://www.gsa.gov/portal/category/102371) displayed in a Windows browser window.

The page features a header with the GSA logo and navigation links: Home, Mobile Site, Newsroom, Regions, Staff Directory, Careers, Forms, e-Tools, and QuickLinks. The main content area includes a sidebar for FedRAMP navigation (Overview, About FedRAMP, Processes, Agencies, CSPs, 3PAOs, News, Events, FAQs) and a banner with the text "Ensuring secure cloud computing for the Federal Government". The central text explains the program's purpose: "The Federal Risk and Authorization Management Program (FedRAMP) is a government-wide program that provides a standardized approach to security assessment, authorization, and continuous monitoring for cloud products and services." Below this, a section titled "Are you a...?" lists three categories: "Federal Agency" (represented by an American flag icon), "CSP Cloud Service Provider" (represented by a cloud icon with an upward arrow), and "3PAO Third Party Assessors" (represented by a checkmark icon). The bottom of the page shows the Windows taskbar with various pinned icons and the system tray.

MAX.gov is FedRAMP accredited to Mod-Mod-Mod



DoD Cloud Security Model



July 31, 2013

This document serves two purposes.

1. It describes the process the cloud service providers (CSP) follow to be listed in the Enterprise Cloud Service Catalog.
2. It describes the process the DoD cloud customer follows to engage the ECSB for cloud services.

It is expected that the security model described in this document will evolve post ECSB Initial Operating Capability (IOC) as the ECSB learns more about cloud



DoD Cloud Security Model

5.1.1 Max Data Type

The first aspect of the security model and impact levels is the type of information to be stored or hosted in the cloud. These are as follows:

- Public information:** This refers to information that is intended for unrestricted public dissemination. This information does not require control of read access, yet does require access control with regard to access for change or delete.
- Unclassified Private:** This refers to information that is not controlled unclassified information (CUI, see below), but requires more limited access than full public release.
- Controlled Unclassified Information:** Controlled Unclassified information (CUI) is the categorical designation that refers to unclassified information that under law or policy requires protection from unauthorized disclosure as established by Executive Order 13556 (November 2010). Designating information as CUI is the responsibility of the owning organization. CUI contains a number of categories, including, but not limited to the following: Other information requiring explicit CUI designation; for example, For Official Use Only, Official Use Only, Law Enforcement Sensitive, Critical Infrastructure Information, and Sensitive Security Information.



DoD Cloud Security Model

5 Cloud Service Provider Qualification Definitions

Impact Level	Maximum Data Type and C-I-A	FedRAMP Secure Repository +Federal ATO +JAB Provisional Authorization	CNSSI 1253	Ongoing Assessment	C2 & NetOps / CND Integration	Architectural Integration	Policy, Guidance, and Operational Constraints
1	U-Public NA-L-X	L	Tailored Set with equivalence	IAW FedRAMP; 3 rd party report for DoD review	IAW FedRAMP; Incident Reports, Vulnerability Scans, POA&Ms, FedRAMP package updates, network architecture updates, configuration updates, outage notifications, Limited bi-directional comms between CSPs & CND Tier II to include warnings and notifications	Two factor authentication for System Administrators	Selective STIGs/BRGs/Other measures or equiv; Law Enforcement access; Official notifications; Data locations; Data spills; Data disposition; Storage Hardware disposition
2	U-Private L-M-X	M	Same as Level 1	+ Limited ECSS assessments	+ User Level Intrusion Incidents	+ DoD 8500.2 Passwords	+ Additional selective STIGs/BRGs/Other
3	CUI L-M-X	M	Tailored Set by cloud service type with equivalence	+ At least Annual 3 rd party/ DoD Red Teams + Red Team of significant changes	+ Non-Compliance Incidents + Rx: Unclassified ThreatInfo + NIST CSV or XML format or SCM (future ARF or ASR) + Rx: Security Policy (signatures, filters)	+ DoD PKI + DIBNet-U + HBB8 Equiv + NIPRNet Only	+ All STIG/CTD or equiv + Private Clouds only
4	CUI M-M-X	M	Same as Level 3	Same as Level 3	+ Credible Attempt Incidents + Rx: Classified Directives + Rx: Classified ThreatInfo	+ DIBNet-S	Same as Level 3
5	CUI H-H-X	M	All by cloud service type with equivalence	+ As often as Quarterly 3 rd party/ DoD Red Teams	+ Reconnaissance Incidents	Same as Level 4	Same as Level 3
6	Classified H-H-X	M	Same as Level 5	Same as Level 5	Same as Level 5	+ SIPR HW Token	+ All STIG/CTD with exception

Legend: Green represents Public and Unclassified Information; Orange represents Controlled Unclassified Information; Red represents Classified Information
The + represents an inclusive incremental security requirement increase from the previous lower Impact Level
(version 2013-07-31)



CUI

Figure 3 – Security Model



DoD Cloud Security Model

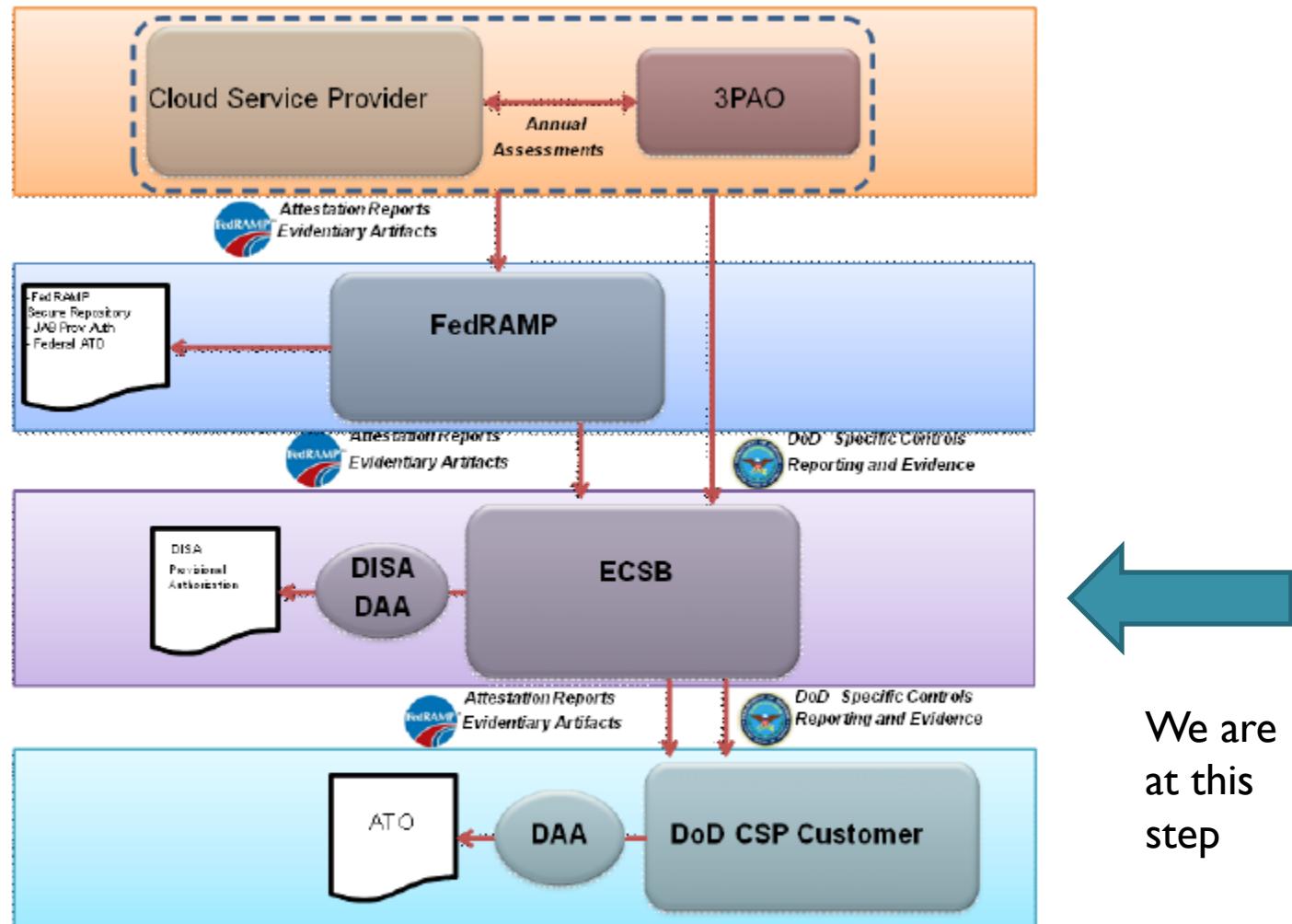


Figure 5 – DoD Ongoing Assessment and Authorization



Level 4 SaaS STIGS Example

D.4 Requirements for Software as a Service (SaaS)

D.4.1 FedRAMP (Level 4, SaaS)

A FedRAMP Moderate provisional authorization/ATO is the starting point for acceptance into the Enterprise Cloud Service Catalog. For those FedRAMP controls that require parameter values, the ECSB defines those parameter values in an annex to this document, ECSB Security Model Control Parameters Annex.

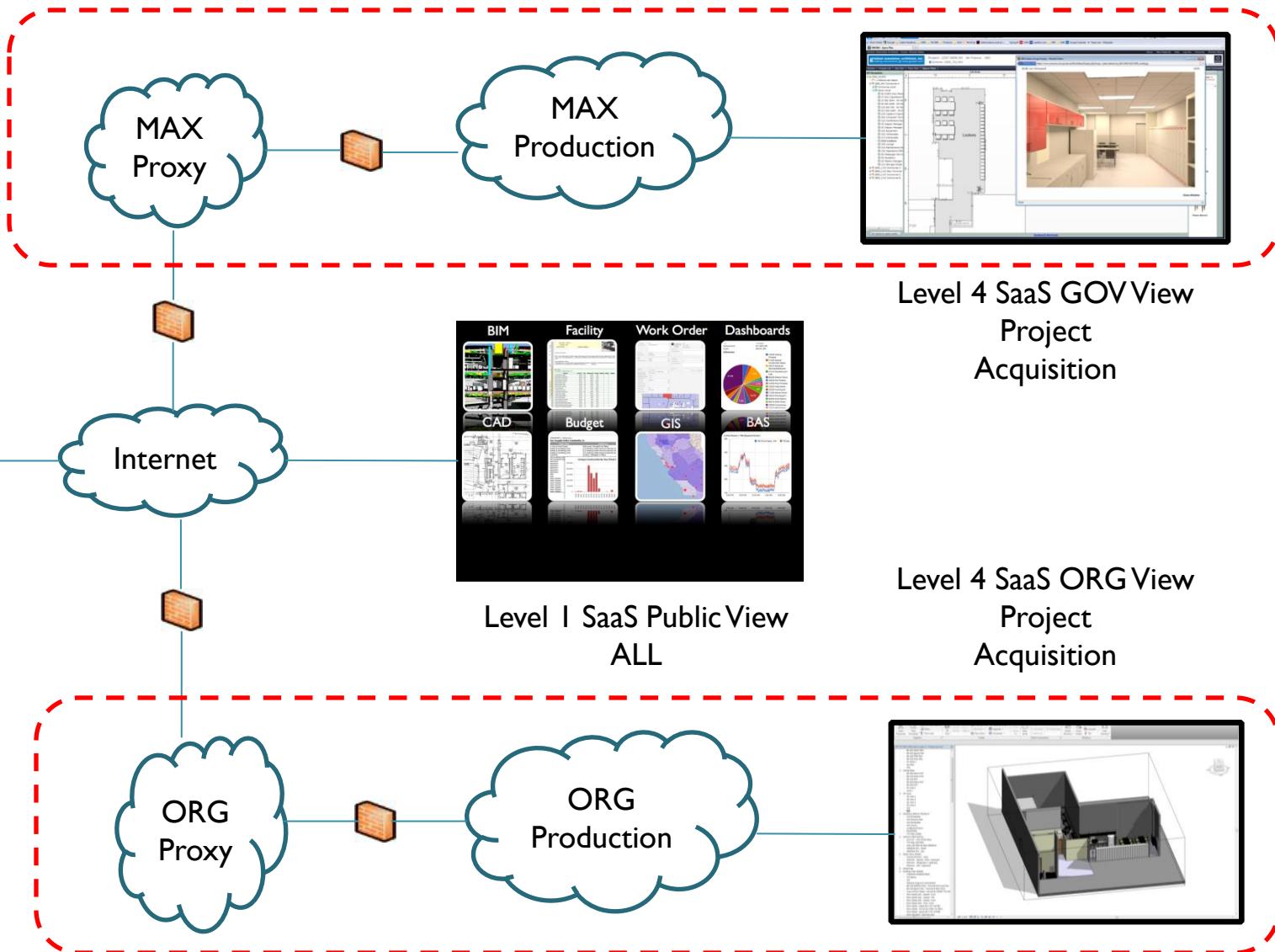
D.4.6.1 Security Technical Implementation Guides (Level 4, SaaS)

The Security Technical Implementation Guides (STIGs) are the configuration standards for DOD IA and IA-enabled devices/systems. The STIGs contain technical guidance to “lock down” information systems/software that might otherwise be vulnerable to a malicious computer attack. STIGs are applicable only if the CSP utilizes the product the STIG addresses or the technology a SRG addresses. However, it is our expectation that the intent of the STIGs or SRGs will be addressed and documented by candidate CSPs.

Currently in the process to identify the required STIGS, have Sys Admins apply/harden the hardware and software, obtain Certificates of Networthiness to apply for DISA ATO



Max FED iFM Architecture





- Questions and Discussion



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