



CMS

CENTERS for MEDICARE & MEDICAID SERVICES

Next Steps

May 8, 2006

Day 2





Agenda

- **Objective**

- **Post Framework 2.0 work areas**
 - **General (cross cutting)**
 - **Business Architecture**
 - **Information Architecture**
 - **Technical Architecture**

- **Matching work to stakeholders**

- **Why participate**

- **Details for selected Technical activities**



Objective of This Session

Review the next steps for the MITA framework with individuals from industry and obtain comments



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Next Steps ?

- **What are they**
 - **Complete Gaps in MITA Framework 2.0**
 - **Provide details in MITA Framework 2.0**
 - **Incorporate new and updated standards**

- **Who will make the next steps**
 - **MITA team**
 - **Collaboration teams**

- **When will the next steps be taken**

- **As resources permit; process is resource driven**
 - **How will the next steps be documented**

- **Future updates of the MITA Framework**



Post Framework 2.0 Work Areas

- **General (Cross Cutting)**
- **Business Architecture**
- **Information Architecture**
- **Technical Architecture**

General (cross cutting)

- **Define governance process**
- **Process for MITA Framework versioning and updates**
- **Develop MITA Repository and associated processes**
- **Identify tools for MITA**
- **Review existing standards**
- **Pilot MITA development methodology**

Bus. Process=>capabilities=> Service=> Code



Business Architecture

- Update business processes
- Refine business capabilities
- Develop business conformance criteria



Information Architecture

- **Refine Data Management Strategy**
- **Develop Conceptual Data Model**
- **Develop Logical Data Model**
- **Review Data Standards**
- **Develop Information assessment process**



Technical Architecture

- **Define Security and Privacy solutions**
- **Define Technical functions**
- **Define Technical Services**
- **Refine Technical Capability Matrix**
- **Develop technical assessment process**



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Matching Future Work to Business and Information Stakeholders

- Business and Information focused teams
- CMS and States are members of teams (also includes groups such as NMEH), vendors support
- Appropriate Business and Information areas
 - **MITA governance processes**
 - **Business process and capabilities**
 - **Information requirements for the business process and capabilities**
 - **MITA repository operations and processes**
 - **Requirements for meeting Level 3-5 status**
 - **MITA data models**
 - **MITA messages**
 - **MITA data strategy plan**

Matching Future Work to Technical Stakeholders

- Technical focused teams
- Individual with technical expertise and States with development teams (also includes groups such as PSTG), CMS provides support
- Appropriate Technical areas
 - **technical functions (Outside the “black box”)**
 - **business services**
 - **technical services**
 - **implementation products**
 - **self certifies product as conforming to MITA requirements**
 - **process to populates repository with product definition, test data, performance criteria**



Detailed Technical Activities

- **MITA Development Methodology Pilot**
- **Security and Privacy**
- **Technical Function Development**
- **Technical Capability Matrix Development**
- **Technical Services Development**



Technical Activity 1 Starting Document

- Technical Activity Name - **MITA Development Methodology Pilot**
- Objective - **Demonstrate that the proposed MITA development process for a business service is viable. The methodology will be validated from initial business process definition to actual implementation of the corresponding business service.**
- Process –
 - **Take an existing business process (ie “enroll provider”) along with the associated level three capability to determine if it has enough detail to provide a requirement base for the design. This may be an iterative process with the MITA team to add the required information.**
 - **Validate that the conceptual and logical data model contain the required data**
 - **Develop the Business Service Definition Package for the business service based on the business process, level three capability and data models. This includes purpose, business logic, constraints, WSDL, use cases, test cases and test data.**
 - **Develop business service as compliant black box stubs using the business service definition package as requirements. Preferably as two different technology implementations (ie .net and J2EE)**
 - **Using a test driver and test data see if the two implementations of the business service are callable and if they are plug and play.**
- End Products – **Business service definition package, two implementations of the business service, test driver and test data. Updated development methodology if required.**
- Schedule - **Status and demo at MMIS 2006**

Technical Activity 2 Starting Document

- Technical Activity Name - **Security and Privacy**
- Objective – **Develop industry standard security and privacy policies, processes, procedures, implementation patterns and security artifacts for MITA**
- Process –
 - **Identify security and privacy gaps in MITA Framework 2. Develop strategy to address identified gaps**
 - **Using the MITA developed security and privacy solution sets as a starting point identify security and privacy patterns needed by MITA**
 - **Identify requirements for security related technical functions**
 - **Identify information content and format of MITA security token. Validate that data is in the MITA data models**
 - **Develop MITA methodology to specify and enforce security and privacy policy**
 - **Develop a strategy and schedule for performing security and privacy**
- End Products – **MITA Security and Privacy patterns, security related technical functions, definition of MITA security token, MITA security and privacy policy methodology and schedule for completing work.**
- Schedule - **Status at MMIS 2006**

Technical Activity 3 Starting Document

- Team Name - **Technical Function Development**
- Objective – **Identify and document all MITA Technical functions. Note: MITA technical functions provide technical capabilities that surround the business service “black box” and do not provide building blocks within the business service.**
- Process –
 - **Develop a template similar to the MITA Business Process template for the MITA Technical functions**
 - **Working with Teams 4 and 5 and the MITA team develop a strategy and schedule for identifying all MITA technical functions**
 - **Using the technical functions identified in MITA Framework 2 as a starting point identify all MITA technical functions**
 - **Complete the template for each MITA technical function**
 - **Validate that the conceptual and logical data model contain the required data for each MITA technical function**
- End Products – **MITA Technical Function Template, list of all MITA technical functions, Completed Technical function template for each MITA technical function and schedule for completing work.**
- Schedule - **Status at MMIS 2006**

Technical Activity 4 Starting Document

- Team Name - **Technical Capability Matrix Development**
- Objective – **Produce a MITA capability matrix that can be used with a technical function template to provide the appropriate level of requirements for developing a technical service’s definition. This includes capability statements, quality measures and conformance criteria.**
- Process –
 - **Using the MITA Business Capability Matrix as a starting point define the structure of the MIT technical capability Matrix.**
 - **Working with Teams 3 and 5 and the MITA team develop a strategy and schedule for developing technical capabilities for all MITA technical functions**
 - **Identify which capability levels are appropriate for each technical function.**
 - **For each technical function’s capability level develop the capability information including quality measures and conformance criteria.**
- End Products – **format of the technical capability matrix, entries in the technical capability matrix for each technical function and schedule for completing work.**
- Schedule - **Status at MMIS 2006**

Technical Activity 5 Starting Document

- Team Name - **Technical Services Development**
- Objective – **Develop Technical service definition Package for each capability of every technical function.**
- Process –
 - **Using the Business Service Definition package as a starting point develop the Technical Service Definition Package**
 - **Working with Teams 3 and 4 and the MITA team develop a strategy and schedule for developing technical service definitions for all MITA technical functions/capability pairs.**
 - **Develop the Business Service Definition Package for all capability levels of each technical function. This includes purpose, business logic, constraints, WSDL, use cases, test cases and test data.**
- End Products – **Technical Service Definition Package template, completed Technical Service Definition Package for each capability of each technical function.**
- Schedule - **Status at MMIS 2006**