



MMIS 2006

A Proposed Vendor-Neutral Environment to Support the Automation of MITA State Self-Assessments (SS-As)

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Proposed MITA SS-A Automation Environment

- **Introductions**
- **Purpose**
- **Medicaid Information Technology Architecture (MITA)**
- **Enterprise Architecture (EA)**
- **MITA SS-A: A Proposed Automated Environment**
- **Summary**
- **Questions**

Proposed MITA SS-A Automation Environment

- **Introductions**

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Proposed MITA SS-A Automation Environment

- **Introduction**

- **Purpose**

- **To examine a possible method of automating the MITA State Self-Assessment (SS-A) process that also addresses the issues associated with performing the MITA SS-A process**

- **Focus and Scope**

- **The proposed integrated environment for automating the MITA SS-A**
 - **High-level examination of basic concepts (MITA, EA)**
 - **Vendor-specific discussion of the proposed integrated environment for MITA SS-A and existing toolsets capabilities related to the proposed environment**

Proposed MITA SS-A Automation Environment

- **Introduction**

- **Approach**

- **Briefly examine basic concepts of MITA, EA, EA Life Cycle, and the MITA SS-A process**
 - **Examine similarities between the MITA SS-A and the EALC**
 - **Propose the initial capabilities of an integrated environment that supports the automation of, and addresses the issues related to the MITA SS-A process to the greatest possible extent**
 - **Address questions specific to the proposed environment**
 - **Provide input from vendors of current toolkits**

Proposed MITA SS-A Automation Environment

- **Medicaid Information Technology Architecture (MITA)**
 - **Definition**
 - **Components**
 - **State Self-Assessment (SS-A)**

Proposed MITA SS-A Automation Environment

- **MITA – Definition**

- MITA *is*

- A framework for developing architectures concerned with state Medicaid enterprises
 - An evolving set of shared standards
 - A business-driven perspective
 - A set of adaptable processes and mechanisms to account for state-specific components
 - Focused on data consistency

- MITA *is not*

- A product – software or otherwise
 - Mandated standards
 - “One size fits all”

Proposed MITA SS-A Automation Environment

- **MITA – Components**
 - **Business architecture (current)**
 - **Concept of operations (visions, goals, strategies)**
 - **Business areas**
 - **Business processes (business process model)**
 - **Business capabilities**
 - **MITA maturity matrix**
 - **MITA business capability matrix**
 - **Information architecture (TBD)**
 - **Conceptual data model**
 - **Logical data model**
 - **Data standards**

Proposed MITA SS-A Automation Environment

- **MITA – Components**
 - **Technical architecture (TBD)**
 - **Technical area**
 - **Technical function**
 - **Technical capability**
 - **Technical service**
 - **Technology standards**
 - **Application architecture**
 - **Business services**
 - **Solution sets**
 - **MITA State Self-Assessment (current)**
 - **MITA maturity matrix**
 - **MITA business capability matrix**

Proposed MITA SS-A Automation Environment

- **MITA – State Self-Assessment**
 - **Components**
 - **Business process model (BPM)**
 - Process areas
 - Processes
 - **MITA maturity matrix (MMM)**
 - Maturity levels
 - Qualities of maturity
 - **Business capability matrix (BCM)**
 - Business capabilities
 - Tied to BPM
 - Tied to MMM
 - Capabilities linked to maturity levels, qualities of maturity

Proposed MITA SS-A Automation Environment

- **MITA – State Self-Assessment**
 - **Assessment results**
 - **As-Is models**
 - **Business process model**
 - **Business capability matrix**
 - **To-Be models**
 - **Business process model**
 - **Business capability matrix**
 - **Gap analysis**
 - **Differences between As-Is and To-Be models**
 - » **Business process model**
 - » **Business capability matrix**
 - **Transition Plan**
 - **Based on gap analysis**
 - **Assessment Metrics**
 - **Current results**
 - **Current results evaluated against previous result sets (progress)**

Proposed MITA SS-A Automation Environment

- **MITA – State Self-Assessment**
 - **Costs**
 - **High initial resource requirements**
 - **Ongoing resource requirements – not a “one shot” event**
 - **Organizational changes**
 - **Someone to do the assessments**
 - **Organizational “buy in” for MITA**
 - **Return on Investment (ROI) is not immediate**

Proposed MITA SS-A Automation Environment

- **MITA – State Self-Assessment**

- **Benefits**

- **Agent for change**
 - **Identifier of progress**
 - **Increased re-usability of processes, data, services, and technology**
 - **Lower Total Cost of Ownership (TCO)**
 - **Adoption of interstate and federal standards**
 - **Adoption of best practices**
 - **Enforced legislative mandates (future)**

Proposed MITA SS-A Automation Environment

- **Enterprise Architecture**
 - **Definition**
 - **EA Life Cycle (EALC)**
 - **Costs**
 - **Benefits**

Proposed MITA SS-A Automation Environment

- **Enterprise Architecture – Definition**
 - **An aligned set of sub-architectures that define the overall structure of a given organization or enterprise**
 - **Strategic/business**
 - **Information/data**
 - **Application/service components**
 - **Technology**
 - **Security**
 - **A set of agreed upon enterprise-wide standards**
 - **A top-down, business-driven, aligned view of the enterprise**
 - **EA is an ongoing process, not a static product**

Proposed MITA SS-A Automation Environment

- **Enterprise Architecture – Life Cycle**
 - **Inception**
 - **As-Is models**
 - **To-Be models**
 - **Gap analysis**
 - **Phased transition plan**
 - **Governance**
 - **Assessment and metrics (ongoing)**

Proposed MITA SS-A Automation Environment

- **Enterprise Architecture**
 - **Costs**
 - **High initial resource requirements**
 - **Ongoing resource requirements – not a “one shot” event**
 - **Organizational changes**
 - **Someone to do the assessments**
 - **Organizational “buy in”**
 - **Executive level support**
 - **Governance processes**
 - **ROI is not immediate**

Proposed MITA SS-A Automation Environment

- **Enterprise Architecture**

- **Benefits**

- **Agent for change**
 - **Enforced legislative mandates**
 - **Identifier of progress (assessments)**
 - **Lower TCO**
 - **Increased re-use**
 - **Continuous process improvement and quality initiatives (CMM, CMMI, ISO 9000, etc.)**
 - **Adoption of integrated standards**
 - **Adoption of best practices**
 - **“What-if” modeling at all levels**

Proposed MITA SS-A Automation Environment

- **MITA SS-A and EALC Similarities – Attributes**

Attribute	MITA SS-A	EALC
Business-driven perspective	X	X
Framework oriented	X	X
Adaptable and agile	X	X
Focus on consistency and standards	X	X
Not a static product or set of mandates	X	X
Business architecture	X	X
Information architecture	TBD	X
Services/components architecture	TBD	X
Technology architecture	TBD	X
Security architecture	TBD	X
Maturity assessments	X	X

Proposed MITA SS-A Automation Environment

- **MITA SS-A and EALC Similarities – Costs**

Cost	MITA SS-A	EALC
High initial resource requirements	X	X
Ongoing resources requirements	X	X
Organizational – ongoing assessments	X	X
Organizational – maintenance		X
Organizational – organizational “buy in”	X	X
Organizational – executive level support		X
Organizational – governance costs		X
ROI is not immediate	X	X

Proposed MITA SS-A Automation Environment

- **MITA SS-A and EALC Similarities – Benefits**

Benefit	MITA SS-A	EALC
Agent for change	X	X
Enforces legislative mandates	(Future)	X
Identifies progress (assessments)	X	X
Increases reusability of assets	X	X
Lowers TCO of invested assets	X	X
Enables intelligent asset management	(Future)	X
Supports continuous process improvement (CMM, CMMI, ISO)		X
Promotes integrated standards	X	X
Identifies and promotes best practices	X	X
Supports “what-if” modeling		X

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Possible issues**
 - **Shared access**
 - **Central repository**
 - **Configuration management**
 - **Modeling tools**
 - **Analysis**
 - **Reporting**
 - **Future considerations**

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Possible Issues**
 - **Lack of a common set of models and artifacts**
 - **Inconsistent models and artifacts**
 - **Out-of-date reference and user models and matrices**
 - **Inconsistent or missing standards**
 - **Inconsistent, ad hoc, or missing support tools and technologies**

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Shared access**
 - Accessible to all users
 - Assessment results available for wide-spread distribution
 - **Central repository**
 - Contains objects, object sets, reference and user models
 - Objects capable of aligning with one another
 - Metadata management capabilities
 - Reference models
 - MITA business process model
 - MITA maturity matrix
 - MITA business capability matrix (links to BPM, MMM)

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Central repository**
 - **Assessment results**
 - **As-Is (user models)**
 - » **Business process model**
 - » **Business capabilities (links BPM to MMM and MITA BCM)**
 - **To-Be (user models)**
 - » **Business process model**
 - » **Business capabilities (links BPM to MMM and MITA BCM)**
 - **Gap analysis**
 - **Transition plan**
 - **Assessment metrics**
 - » **Progress**
 - » **Decision Support**
 - » **CMS Metrics**

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Configuration management**
 - Applies to all objects, object sets, and models in the central repository
 - Baseline creation
 - Versioning
 - Restore
 - Difference calculation

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Modeling tools**
 - **Reference models**
 - MITA business process model
 - MITA maturity matrix
 - MITA business capability matrix
 - **User models**
 - **Business process model**
 - » As-Is
 - » To-Be
 - **Business capabilities (linked to MITA BPM, MMM, MITA BCM)**
 - » As-Is
 - » To-Be

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Analysis**
 - **Difference analysis**
 - **Objects**
 - **Object sets**
 - **Models**
 - **Gap analysis**
 - **Progress reporting**
 - **Alignment and consistency**
 - **Reporting**
 - **Standard reports**
 - **Management reports**
 - **Ad hoc reports**

Proposed MITA SS-A Automation Environment

- **MITA SS-A: A Proposed Automated Environment**
 - **Future considerations**
 - **Incorporating updated reference models and artifacts**
 - **Incorporating additional MITA architectural components**
 - **Information architecture**
 - **Technical architecture**
 - **Updating user models and artifacts**

Proposed MITA SS-A Automation Environment

- **Summary**
 - **The MITA SS-A is a complex process**
 - **The MITA SS-A would benefit from an integrated, automated support environment**
 - **The MITA SS-A process and EALC are solving the same problems**
 - **The toolsets used to support EALC may be applicable for use in MITA SS-A and are worth examining for their utility in this process space**

Proposed MITA SS-A Automation Environment

Questions?

Proposed MITA SS-A Automation Environment

Thank you