

National Association of Unemployment Insurance Appeals Professionals Embassy Row Hotel, Washington, DC Information Technology Support Center Joe Vitale - Director June 23, 2015

ITSC Background

- ITSC is a national collaboration of state workforce agencies and USDOL.
- USDOL/Maryland Cooperative Agreement.
- Created in 1994 early days focus on "white papers" and developing products
- Redesigned in 2009 -- CESER/NASWA selected to operate ITSC.
- Serve as a trusted independent resource to support states to modernize or enhance UI IT systems
- Governed by a Steering Committee

NASWA Structure

NASWA / CESER Incorporated as arm of NASWA in 1994 Research, technical assistance, training, consulting, IT services ITSC

- Established by USDOL in 1994
- Became a division of CESER in 2009
- Core IT products and services
- Special projects

ITSC Steering Committee Governance

- Unemployment Insurance Directors
 - Laura Boyett State of Maine (Chair)
 - Brett Flachsbarth State of Kansas
 - Benjamin Peirce State of Wisconsin
- Information Technology Directors
 - Sriram Vilayanur State of New Jersey
 - David Haws State of Nevada
 - Gail Overhouse State of California
- State Administrators
 - Dale Smith State of Mississippi
 - Ellen Golombek State of Colorado (Vice-chair)
- Member-at Large
 - Lisa Marsh State of Washington
- U. S. Department of Labor
 - Jim Garner Deputy Administrator

ETA/OUI

 Betty Castillo – Chief, Division of UI Operations

Grant State Representative

 Dave McClone – UI Director State of Maryland (non-voting)

ITSC Director

Joseph Vitale (non-voting)

ITSC Strategic Priorities

- The Steering Committee Identified four key priority areas for ITSC:
 - UI Business Process Reengineering and IT Modernization
 - Creating and growing the ITSC On-line eLibrary, Tools and Software Repository
 - Education and Training
 - Technical Assistance

ITSC and UI IT Modernization Services

- Overview of current UI IT Modernization projects
- Identifying and sharing best practices
- Establishing and supporting consortia
- Providing technical assistance
- Coordinating communication and information sharing among states
- Conducting rapid one or two day assessments on request

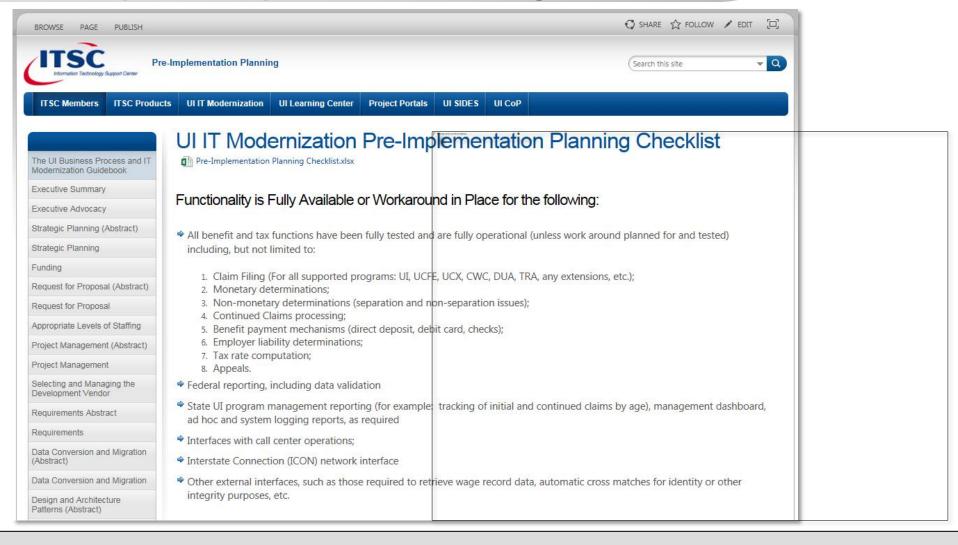
Examples of ITSC Projects for States

- Fit Gap Analysis and Support
- RFP Development Support
- Review and Analysis of Vendor Responses to RFP
- Non-voting Member Consortium Steering Committee
- Subject Matter Expertise Including Business Analyst Support
- Technical Architect Services to Develop or Evaluate Project Architecture
- Data Migration Support

UI IT Modernization Guidebook and Wiki

- The objective of this online electronic library is to aid in the sharing and reuse of information and best practices as related to UI IT Modernization. The focus of the guidebook is to:
 - Provide costs, schedule scope and a snapshot overview of UI IT Modernization projects across the nation.
 - Present a compilation and discussion of key UI IT Modernization projects best practices and lessons learned organized by the life cycle of these projects in both an abstract or summary view and a detailed chapter discussion with references and examples.
 - Promote the leveraging of successful practices by states and consortia embarking on UI IT Modernization projects
 - Demonstration of UI IT Modernization Guidebook and Wiki
 - <u>ITSC Members</u> Website

UI IT Modernization Guidebook and Wiki New Chapter Pre-Implementation Planning Checklist



UI IT Modernization Wiki Chapters

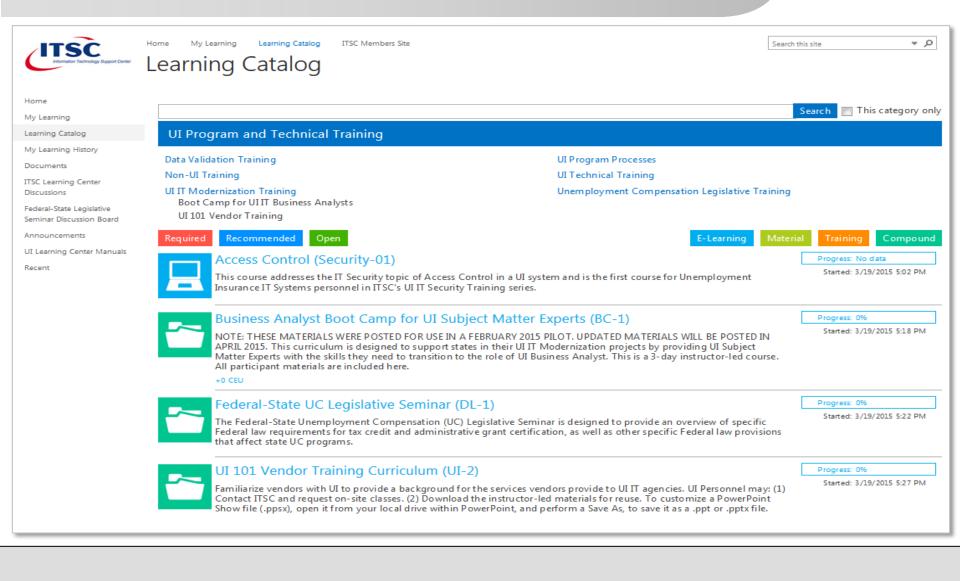
- Executive Summary
- Executive Advocacy
- Strategic Planning
- Funding
- RFP, Terms and Conditions, and Statement of Work
- Appropriate Levels of Staffing
- Project Management
- Selecting and Managing the Development Vendor
- Requirements
- Data Conversion and Migration
- Design and Architecture Patterns
- Operational Support Models, Virtualization, and Cloud
- Development Methodologies
- Detail Design and Coding
- Build and Deployment Roadmap
- Knowledge Transfer
- User Training
- Change Management
- Independent Verification and Validation (IV&V)
- Consortiums
- Go-Live: Pre-implementation Checklist

UI Learning Center

- Provides a platform to deliver content, monitor participation, and assess learner performance Single Sign-on
- A central area for an online community, allowing interactive communication among learners and trainers
- Delivers e-learning, electronic versions of print materials, facilitator materials
- Is SharePoint-based
- Available from the ITSC member site. <u>ITSC UI</u> <u>Learning Center Catalog</u>



UI IT Learning Center: Delivery and Management of Training



UI IT Learning Center: Numbers by Course

Course Name	# Users Accessing Content
Access Control (eLearning)	22
Disaster Unemployment Assistance (eLearning - Internal Only)	7
Business Analyst Boot Camp for UI Subject Matter Experts	61
Federal-State UC Legislative Seminar (eLearning)	139
Introduction to the Business Analyst Role for UI Managers	2
UI 101 Training for Vendors Curriculum	19
TOTAL	250

Numbers of Users Who have UI Learning Center LMS Licensed Seats

2684 Licensed Users*

Numbers of Users Actively Viewing Content Available in the UI Learning Center LMS

Active Users*

^{*}All SharePoint Member Site users, excluding vendors

^{*} The number of active users will increment significantly as (1) BA Boot Camp proceeds from state to state and (2) when the Trainer's Forum goes live.

ITSC Training and Education - Courses

- Business Analysts "Boot Camp" for UI Subject Matter Experts
 - Program is intended for UI Subject Matter Experts who will be involved in a UI IT Modernization project
 - Examples of topics covered in the course include:
 - How to identify a business requirement
 - Defining functional and nonfunctional business requirements
 - Explaining requirements in terms programmers and other technical staff will understand
 - Reviewing use cases from other single state and consortia projects
 - Developing use cases
 - Working with and understanding requirements tools such as IBM Rational Requirements Composer
 - Documenting use cases in a requirements tool
 - Working as an SME side by side with development vendor

Business Analyst Boot Camp For UI Subject Matter ExpertsTraining Curriculum

Transitioning from the Role of UI SME into UI BA

Agenda

Activities

Notes

- What is Business Analysis and What Does a Business Analyst Do?
- The UI BA's Role in Modernization Readiness and the Software Development Life Cycle
- The UI BA's Contribution in Discovering and Documenting Requirements

Classes are 'standalone' and

can be taken out of order

- Content is adjusted to meet

The complete curriculum

The classes are instructor-

led, in-person training

the needs of each class

requires 3 full days of

training

Improving UI Business Processes

Agenda

- What is a Business Process?
- Top-down Development
- As Is vs. To Be Analysis
- Business Process Improvement Methodologies
- Other State/Consortium Processes
- Traceability in Business Process Improvement

Activities

- Participate in a Group
 Session to Elicit and
 Document Requirements
 Lighthearted look at a large organization improving its business processes
 - Write an Improved Business Process

Notes

- Not intended to be a complete class in Business Process Reengineering
- Discusses the UI Business Analyst's role in Refining Business Processes

Gathering, Documenting, and Managing UI Requirements

Agenda

- What is a Requirement?
- RFP-ready Requirements and how they fit into Modernization Readiness and the Software Development Life Cycle
- Business Rules and What Drives Them
- Categorizing Requirements
- Gathering Quality Requirements
- Documenting Requirements
- Validating and Packaging Requirements
- Leveraging the Work of Other States and Consortiums

Activities

- Identifying Good Requirements
- Changing Poor Requirements to Good Requirements
- Good and Bad Business Rules
- Functional and Non-functional Requirements
- Tracing Business Rules to Use Cases/ Functional Requirements

Writing Effective UI Use Cases and Requirements

Agenda

- What is a Use Case?
- Advantages of Use Cases
- Discussion of concepts as they arise in the use case review
- Use Cases and Project Scope
- Writing an RFP-ready Use Case
- Use Case Diagrams
- Traceability and Use Cases
- Managing Use Cases

Activities

- Compare and Contrast a List of Requirements from Other States
- Comparing and Contrasting Use Cases from Other States
- Complete an Incomplete Use Case
- Write a Use Case

Notes

- Use Cases are high-level, suitable for use in an RFP

Selecting and Working with Development Vendors

Agenda

- The UI BA Role in the Development Initiation Stage of Modernization Readiness
- How the UI BA may be Involved in the RFP Review Process
- Role of the Vendor in the Modernization Project
- Relationship of UI BAs to Vendor BAs
- Varying Vendor Development Methodologies and How they Affect the Role of the UI BA
- UI BA Interaction with the Vendor throughout the Software Development Life Cycle

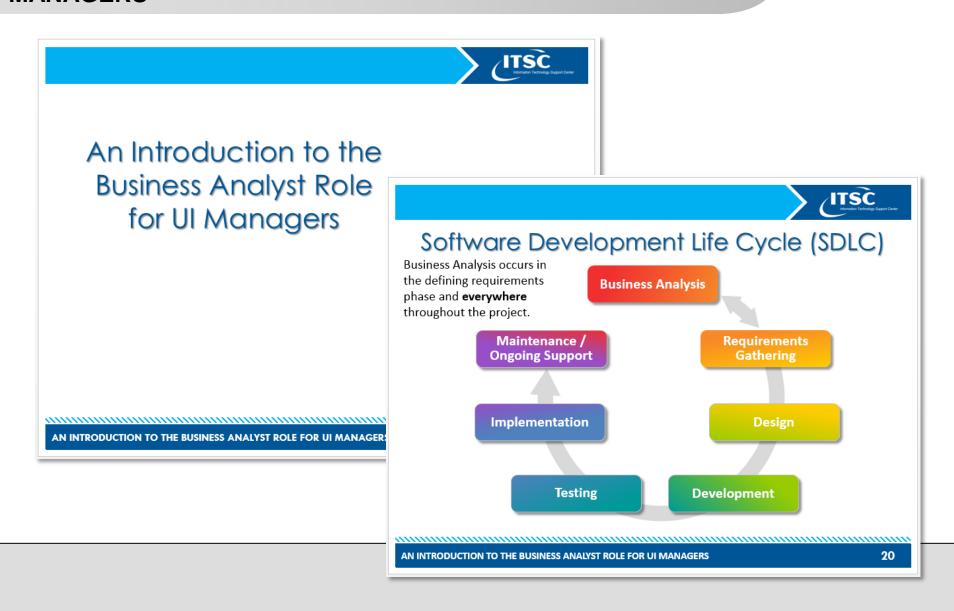
Activities

- Participate in a Vendor-led JAD Session
- Build a Test Case
- Compare Design-Ready Use Cases from States & Consortiums

Notes

 Overall scope of this class is to provide SMEs with skills and understanding to effectively interact with the development vendor

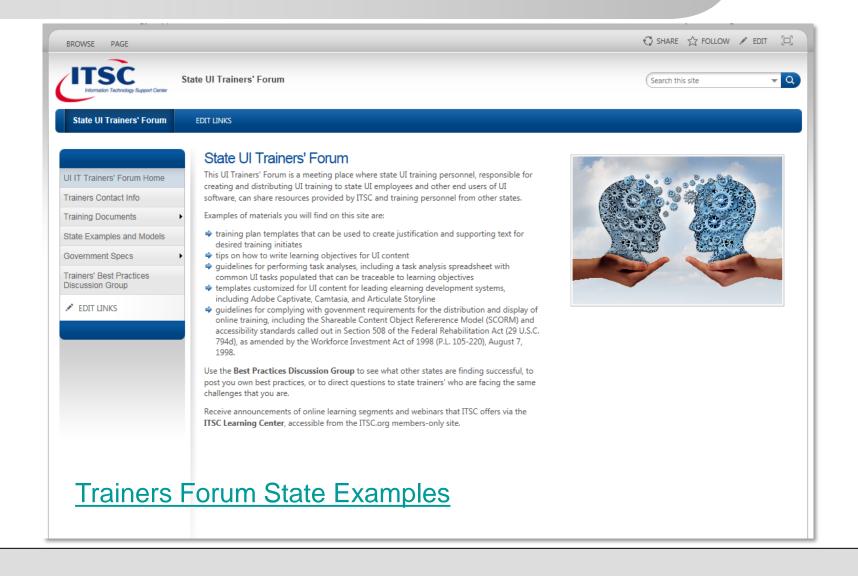
AN INTRODUCTION TO THE BUSINESS ANALYST ROLE FOR UI MANAGERS



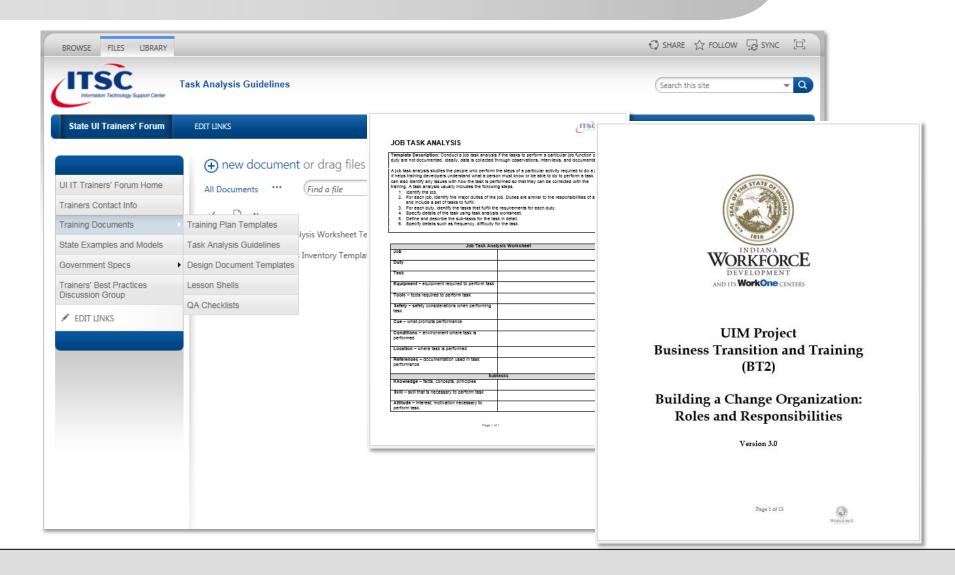
Business Analyst Boot Camp For UI Subject Matter Experts Current Training Schedule

State	Dates	Comments				
COMPLETED	COMPLETED					
Connecticut	February 9-11, 2015	Pilot				
District of Columbia, Maryland, and Texas	April 21-23, 2015	Hosted by ITSC in DC				
Iowa	May 19-21, 2015	9 Participants				
Washington	June 9-11 June 12,15-16, 2015 40 Participants					
SCHEDULED						
Oregon	July 13-17, 2015					
Hawaii	July 28-30, 2015					
Alaska	August 25-27, 2015					
Indiana	September 15-17, 2015	Pending Agency Approval				
USDOL Region V States	October 5-9, 2015					
Other Interested States						
Arizona	Montana	Utah				
Colorado	Nebraska	Georgia				
District of Columbia	New Jersey	New Mexico				
Florida	Maine					

State UI Trainers Forum Collaborative Project Website



State UI Trainers' Forum Layout



State UI Trainers' Forum State Participation to Date

State	Participants	State	Participants
Alaska	10	Mississippi	2
Arkansas	5	Montana	5
Arizona	7	Nebraska	2
Connecticut	8	New Hampshire	2
District of Columbia	5	New Mexico	2
Delaware	3	Oklahoma	9
Florida	2	Oregon	2
Georgia	12	Pennsylvania	13
Iowa	2	South Carolina	6
Idaho	9	Utah	12
Indiana	1	Washington	3
Kansas	7	Wisconsin	3
Kentucky	10		

26 states and 142 participants to date

ITSC Tools for States – IBM Rational Requirements Software

Note: Training and Education also encompasses other ITSC Resources, Online Library and Tools. The newest addition to this library is our expanded:

- IBM Rational Requirements Composer (RRC) Software Toolset
 - ITSC recently expanded its offering of the IBM Rational Tools in support of the MRM Consortium including:
 - Rational Team Concert Developer
 - Rational Team Concert Developer for Workgroups
 - Rational Requirements Composer
 - Rational Requirements Composer Analyst
 - These tools are hosted for ITSC by CloudOne an IBM partner specializing in hosting these and other IBM Cloud offerings.
 - Tools are currently being used by the following consortia and states:
 - WyCAN
 - VMW
 - MRM
 - NY and NJ
 - CT and MO

UI IT Modernization Discussion Board

- Discussion Topic Areas:
 - General
 - Technical
 - Legal
 - Project Management
 - RFP and Contract
 - Vendor Management
 - Consortia
 - Single State

UI IT Modernization Forums

- Workgroups/Forums
 - .Net
 - Java
 - Configurability
 - Multi tenancy

UI & Workforce Connectivity Tools Shared Vision

- A single, integrated workforce system with UI as a core program providing income support
- UI claimants are job seekers too and a customer of the entire workforce system
- A workforce system with a "common front door"
- Enhanced reemployment services for all job seeker customers

A Call to Innovate

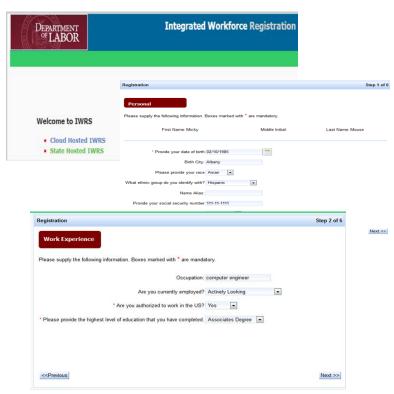
Transformational Elements of New Vision:

- Common "Front Door" supported by integrated customer registration/common customer record
- "Real Time Triage" integrated/automated data & information driving service delivery/customer choice throughout service delivery cycle
- Focus on Skills Transferability
- Social Media for Outreach & Service Delivery

Integrated Workforce Registration System

IWR

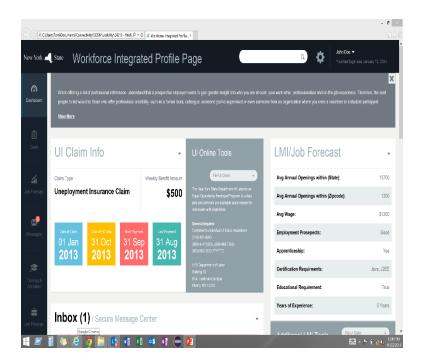
- A framework allowing for common data collection to be centralized
- Fully customizable customer platform
 - Questionnaire layout, length, and format
 - Data collected
- Single authentication with other workforce systems (Single Sign On)
- Built using open source technologies and methodologies
- Cloud ready system



Making the Web A Communication Channel

WIPP (Workforce Integrated Profile Page)

- The internet has become the primary communication method for job seekers
- Job Seekers get a personalized real-time views
- Data spans all workforce partners
- Self service becomes a more enhanced experience



Federal Security Assessment Preparation Checklist

- Checklist designed to aid states in preparing for assessments conducted for the IRS, SSA and NDNH
- Will help states identify major deficiencies that need to be corrected
- Focuses on formal assessments based on NIST 800-53
- Covers 17 general areas or control families and drills down to subtopics with these areas
- Important Note: The checklist does not cover all areas that may be reviewed by the Federal Assessor, the emphasis is on those controls whose absence will lead to a critical finding

The checklist is available for states to download from the ITSC Members Only Website under the Technology heading on the left hand side of the main Members Only page

A National View of UI IT Systems

(NASWA/ITSC Study – July 2010)

- States developed systems for UI operations generally in the 1970s and 1980s, and many are using the same "legacy" mainframe technology based systems today.
 - Note: In the NASWA/ITSC survey, over 90 percent of states reported using benefits or tax systems running on outdated hardware and software programming languages, such as COBOL.
- The survey found the average age of a state benefits IT systems is 22 years, and the oldest benefits system is 42 years. The average age of a state tax system is 24 years, and the oldest tax system is 41 years.
- Only eight states have a modernized benefits system, only three have a modernized tax system, and only one has modernized benefits and tax systems.

Multi-State Consortia

- UI IT modernization through state consortia is a new approach currently underway
- Multiple states pooling their resources in pursuit of a single common system they can each use
- The Unemployment Insurance State Information Data Exchange System (SIDES) is an example of a successful consortium project
- DOL began funding state consortia in FY 2009

First Phase of the Consortia Model

- In FY 2010 USDOL funded two consortia to determine if a consortia model could be used to build a new UI IT Benefits and or Tax System.
- Was it feasible and could the states work together?
- In addition was there a high enough level of commonality of the requirements between the states in the consortium to make building a common system practical?
- AWIN consisting of Arizona, Wyoming, Idaho and North Dakota and SCUBI consisting of Georgia, North Carolina, South Carolina and Tennessee were the first two consortiums formed to test out this model.

Consortia Model (cont.)

- AWIN developed both common Benefits and Tax requirements
- SCUBI developed common Benefits requirements
- The Good News:
 - States discovered they can actually work together on a UI IT Modernization project leveraging fiscal and staff resources
 - States had more in common than they initially realized going into the project
 - Common requirements were in the range of 80% to over 85%
 - Obviously there were still 15% to 20% of unique state requirements

Consortia Model (cont.)

- In FY 2011 USDOL provided funding for AWIN and SCUBI to move on to the next phase of their UI IT Modernization project
 - Publish and RFP and Select a Vendor to Design, develop and Implement the new common UI IT System

Note:

- AWIN changed to WyCAN as Idaho dropped out and decided to use the requirements developed to build a single state system for Idaho. Colorado joined the consortium and did a fit gap analysis of their requirements with the existing consortia requirements
- In SCUBI the consortium was reduced to three states as Tennessee decided to also go the way of a single state model
- In FY 2011 USDOL also funded an additional consortium VMW (Vermont, Maryland and West Virginia) to do a phase one feasibility study and develop a common set of requirements

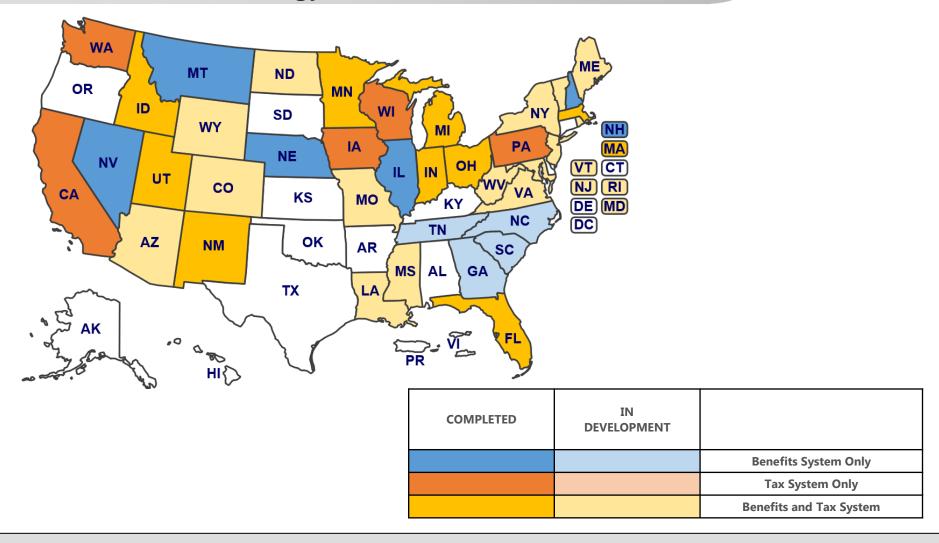
Consortia Model (cont.)

- In FY 2012 DOL funded another consortium MRM (Mississippi, Rhode Island and Maine) for development of a common system
- Mississippi was one of the first states to successfully modernize its UI IT system
- They discovered early on that they were not going to be able to support this system as a single state
- The MRM concept leveraged the already built modern UI IT system and are making it a common system for all three states
- This month MRM successfully went into production with the first phase of Benefits in MS
- IN FY 2013 NY and NJ were funded to develop their requirements

Where are The Consortia Today Current UI IT Modernization Consortia Projects

Consortium Name	Scope	Status	Contractors
WyCAN (WY, CO, AZ, ND) FY 2009 – Feasibility FY 2011 - Development	UI Benefits, UI Tax, UI Appeals	In development	HCL America
SCUBI (SC, NC, GA) FY 2009 – Feasibility FY 2011 - Development	UI Benefits, UI Appeals	In development	CapGemini
MRM (MS, RI, ME) FY 2012 - Development	UI Benefits, UI Tax, UI Appeals	In development	Tata Consultancy Services.
VMW (VT, MD, WV) FY 2011 – Feasibility FY 2013 - Development	UI Benefits, UI Tax, UI Appeals	RFP Phase	
NJ/NY FY 2013 Feasibility	UI Benefits, UI Tax, UI Appeals	Developing Requirements	
NM/MA/FL FY 2013 - Build Component	UI Benefits and UI Tax Common Module Development	Requirements for and Implementation of Common Modules under Development	

State Unemployment Insurance Information Technology Modernization Status



Contact Information & Questions



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