



Tribal Systems Update

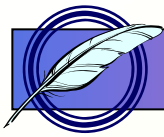
A Status of Tribal Automation Today

An Update on the Model Tribal System
Development Project

*And A Sneak Peek At The
Model Tribal System (MTS)*

Joseph Bodmer, PMP

Senior IT Specialist and Project Director, MTS Project



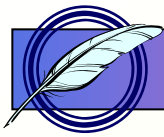
Tribal Automation And Systems

- Current: Tribal Program Regulations
 - Relevant Systems Citation is 45 CFR 309.145(h)(1-5)
 - Limit Federal Funding For Automation In Tribal IV-D Programs To The Following:
 - Operating and maintenance costs for existing Tribal Child Support systems
 - Operating costs/chargebacks to use another State or Tribal Child Support system under intergovernmental agreement
 - Costs for planning phase (identify, evaluate and select) activities to acquire new Child Support system
 - Acquisition and maintenance costs of office automation
 - Other costs deemed appropriate by the Secretary



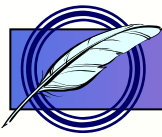
Tribal Systems Policy (PIQT)

- Last Year's Release Of Tribal PIQ 07-02, Started A Number Of Requests From States To Make "Maintenance Fixes" To Support Tribes Using Their State Systems. Some Examples Include:
 - OK – originally requested \$432,212. Request was pulled. No word on a resubmission at this time.
 - WI – requested \$210,851 to make changes to support Lac Du Flambeau, Menominee and Potawatomi, and add Oneida. This was approved.
 - SD – requested \$3,000 to support Sisseton-Wahpeton. This was approved.
 - WA – Initial inquiries ended without request submission.



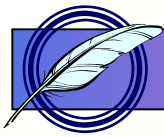
Tribal And State Systems

- OCSE Publicly Has No Position On Whether A Tribe Should Or Should Not Seek To Use A State's CSE System.
 - OCSE Considers This An Internal Tribal Determination To Be Made In Consultation And Collaboration With Their State Partners.
- DSTS Continues To Monitor The Use Of Intergovernmental Agreements.
 - Cost Reasonableness Of Operational Costs Being Charged
 - For Scope, Type, And Cost Of Any System Modifications Being Requested.



Tribal Systems Regulations

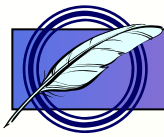
- 45 CFR Part 310 Regulations In Clearance
 - A Notice Of Proposed Rulemaking (NPRM) Is Expected To Finally Be Published In The Federal Register Within The Next 30 Days
 - 60 Days For Comment Period
 - 4 Tribal Consultations Scheduled In June And July
 - North Carolina June 11th and Washington June 27th
 - Oklahoma July 8th and Wisconsin July 9th
 - High Profile Regulation – Fast Tracked
 - Publication Of The Final Rule Required Before Pilot Test In A Tribal Program Can Begin



A Brief History

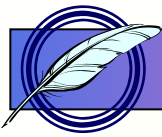
◦ Where We've Been

- Process Began In 2002 After Release Of Tribal Program Regulations: 45 CFR 309.
- First Of Four Workgroups Organized In 2002
 - Workgroup identified organizational, operational, technical, financial, regulatory, and legal landscapes we were dealing with in Indian Country.
 - That 1st Workgroup's Charter: ***Teach the Feds.***



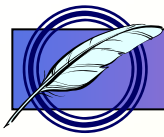
A Brief History

- Where We've Been
 - The “*Tribal Systems Workgroup*” Reconvened In 2004 And Continued Documenting Tribal IV-D Program Operations.
 - Workgroup Developed Two Key Documents:
 - ***Concept Of Operations***
 - ***Tribal Systems Guide - Essential Requirements***



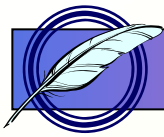
A Brief History

- Where We've Been
 - In 2005, The *Tribal Systems Workgroup* Began JAD Sessions To Develop Business Process Workflows (Flow Diagrams), And A Comprehensive Data Element Dictionary.
 - All Workgroup Products Required Complete (Meaning 100%) Consensus Of All Members.
 - 2005's Major Product Release Was:
 - **General System Design Document (GSD)**



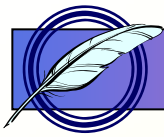
A Brief History

- Where We've Been
 - In Late 2006, The Commissioner Approved Staff To Explore The Feasibility Of Building The Tribal Systems Workgroup's Solution Design For A System.
 - OCSE Then Developed A Feasibility Study Including A Market Survey And A Cost-Benefit Analysis.
 - In November 2007, The Commissioner Received The Concurrence Of The Assistant Secretary, ACF, To Build The *Model Tribal System*.



MTS Project Status

- Where We Are Today
 - Development Began Immediately With Contract Staff Resources From *BAE IT Systems*, And *SYSRAD*.
 - Current Development Team Composition
 - Project Director, Two Project Managers/Architects.
 - 4 FTE Highly Skilled Architects/Senior Programmers.
 - 6 PTE Skilled Programmer-Analysts.
 - 4 PTE Quality Assurance/Testers and a Technical Writer
 - 1 PTE Database Administrator.

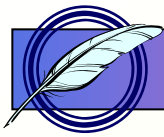


MTS Project Status

◦ Where We Are Today

– Current System Design Status

- Concept of Operations completed.
- System Requirements Specification (SRS) completed.
- General System Design (GSD) and Detailed System Design (DSD) completed. Updates only.
- Database built, and Data Dictionary validated. Updates only.
- All Use Cases completed. Adding new ones as needed.
- All Integrated Development Environment (IDE) and Server Architecture operational components validated.

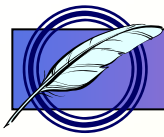


MTS Project Status

◦ Where We Are Today

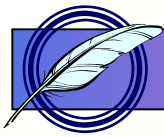
– Current System Development Status

- Print Management – design complete, building data access.
- Application Security – validating solution and completing application integration.
- All screens and many of the screen components, validators, and behaviors are built – an object-oriented, reusable design. We are continuously “*refactoring*” all components.
- Backup and Recovery – installed a new server for failover support for development environment. Eliminated a risk.



MTS Project Status

- Where We Are Today
 - Current System Development Status
 - Code Development ongoing
 - Data Formatters, Validators (simple and full field, panel integration and execution), Exception Processing, and Common Values are built. Refactoring as needed.
 - Calendaring, Document Management, Third Party (search and CRUD data access) functions are built.
 - Application Setup and Configuration in coding.
 - Data Access (Flex 3) for Case Intake and Case Management, Worker Assignment, Office Management, Worklist (Tickler) Management, and Income and Asset functions in coding.

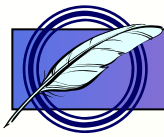


MTS Project Schedule

◦ Where We Are Today

– Current System Development Schedule

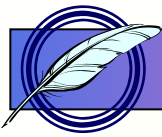
- We Have, So Far, Recouped 1 Month Of Schedule Lost To Late Start (December 1, 2007) Of Development Phase
- Target Code Development Completion Is September 2008
- User Acceptance Testing Begins July 2008 (Iterative)
- Pilot Test Proposed Start Is October 15, 2008
 - Pilot Start Date Is Dependent On Publication of Final Rule on Tribal Systems at 45 CFR 310.
- General Availability and National Roll-Out to Tribes is scheduled for January 2009 if Pilot is completed by then



MTS Project Status

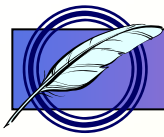
◦ Where We Are Today

- Dear Colleague Letter (DCL) To Go To Tribal IV-D Program Directors In the Coming Month, After Publication of NPRM On Tribal Systems, Seeking Volunteer Tribal IV-D Program(s) To Be Pilot Site
 - Pilot Expected To Last 2-3 Months
 - Includes Training Of Program Staff On System Use, Security, Configuration and Setup, and Management
 - Training Of Technical Staff On System Operations, Maintenance, And Procuring Software Development Support (Sample RFP's, ITB's, Technical SOW's, etc.)



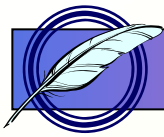
MTS On The Leading Edge

- Some Unique Design Aspects of MTS
 - Design Is Built For Transaction Speed And Application Performance By Loading Most User Interface (Presentation Layer) Components And Objects Into Dynamic (RAM) Memory At Login-in, And Using *Prefetch* And *Caching* Of All Case Data Into RAM.
 - Development Server's Baseline Configuration, Allowing For Virtual Workstations, Completed. Allows Remote (Off-site) Development, Testing, And Debug By MTS Project Team.
 - Automated Testing – Built Code Is Tested Nightly In Automated Build Runs, With Error Reporting Output To Developers. Two Levels Of Automated Testing – An Hourly Compile Test, And A Nightly Deploy Test With Scripted Error Testing.



MTS On The Leading Edge

- What's So Unique About This "Model" System?
 - The MTS Is A Complete Out-Of-The-Box Child Support System Solution For Tribal IV-D Programs.
 - Designed With The 80/20 Rule In Mind, It Will Serve Better Than 80 Percent Of Tribes Immediately Without Any Redesign Or Enhancement.
 - Specifications Include:
 - Scalability to 25,000 cases with no performance degradation.
 - Support for up to 100 concurrent users with no performance hit.
 - Zero license fee costs for both the operational environment (operating system, utilities, and database) or for the development environment (Eclipse, Flex, Hibernate, etc.) The system is built with Community-based, Open-Source software.
 - Training materials come with the delivered solution (January 2009.)



MTS On The Leading Edge

- Nothing Like It in Any State's System
 - A Unique Configuration and System Administration Module Provides Extensive Up-Front Customization To Tribal Programs:
 - Requires no special training, highly intuitive, wizard-based module.
 - Just answer questions or enter data for a customized look and feel:
 - by checking boxes,
 - making *yes* or *no* selections (example: auto-generate Form X, Y or Z),
 - entering timeframes (in numbers of days, for ticklers, etc.),
 - uploading the Tribe's logo (a .JPG or .GIF picture file),
 - entering staff names and assigning them roles (for security, workload assignment and workflow), and,
 - entering other Tribe-specific information: Tribal Program name, address, phone numbers, Court name and address, Judges names, things like that.

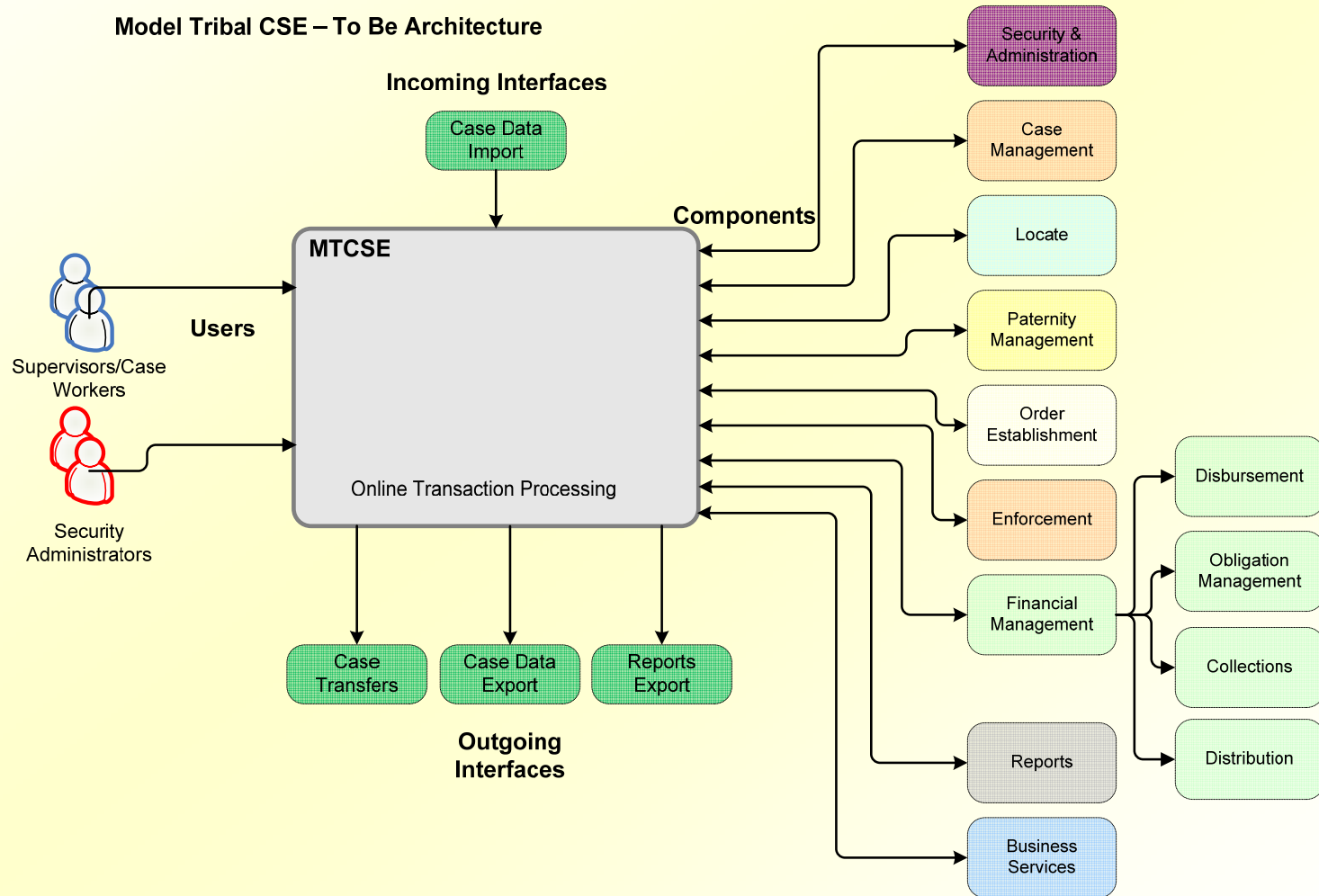


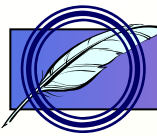
MTS On The Leading Edge

- Nothing Like It in Any State's System
 - The Unique Configuration and System Administration Module Also Includes Extensive Document Management Capabilities:
 - A Capable Word Processor Is Built-In.
 - Allowing Tribes to create and edit forms right in the Configuration Module and those new documents are then immediately available to the system and users.
 - Allows User assignment and selection of printers.
 - The system already comes with over 125 generic template forms, notices, documents, and reports – all designed by Tribes, for Tribes – from the Tribal Systems Workgroup.
 - Documents can contain graphics, different fonts, and automated, intelligent data merge – all built with the word processor.
 - Or import your own templates and work on them in the MTS.

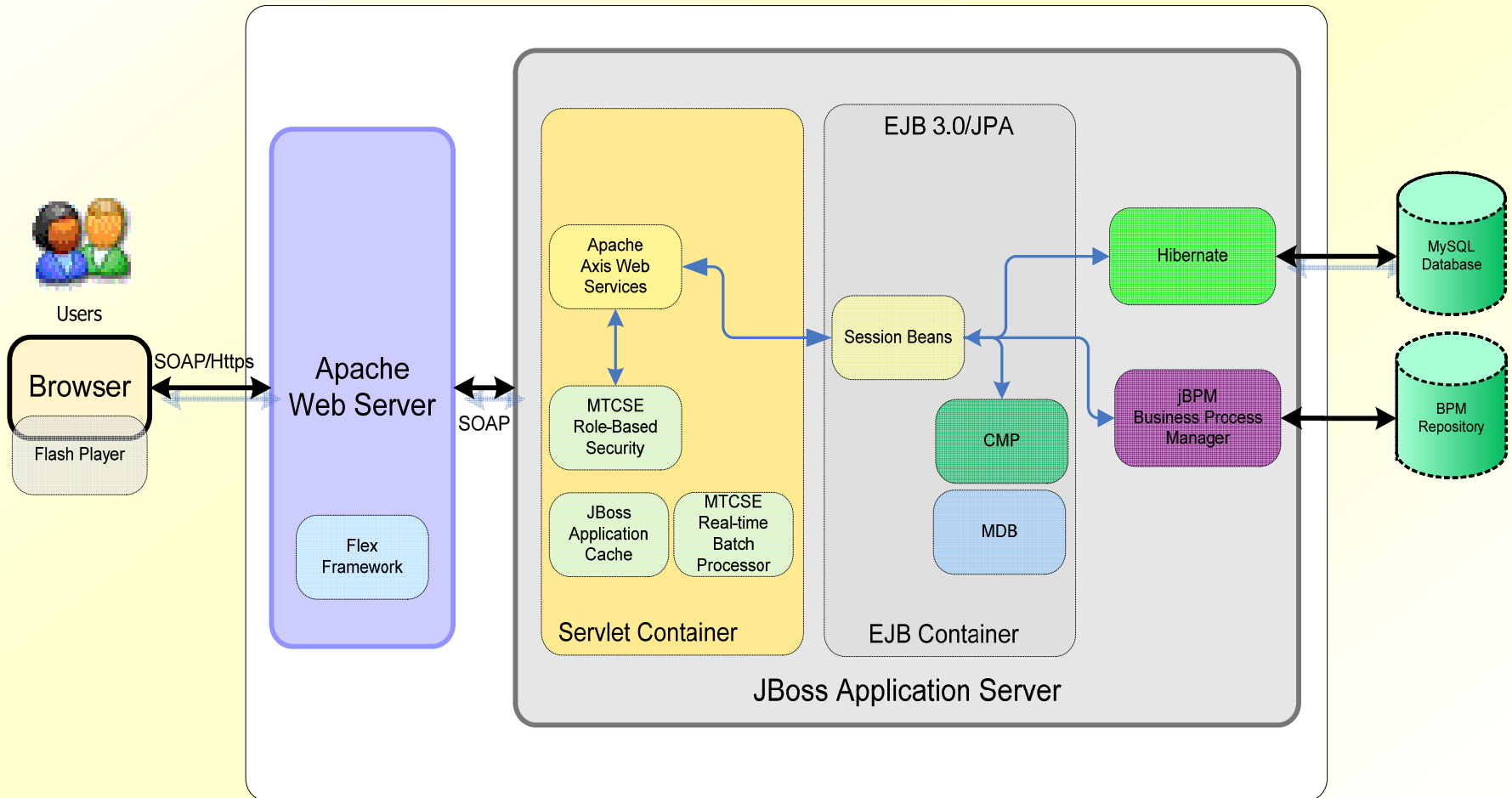


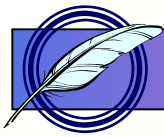
MTS Architecture





MTS Solution Architecture





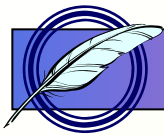
MTS Has Role-Based Security

Role-based Access Control:

- MTS screens are rendered with different icons/links and behaviors based on the role of the user logged in.
- For instance an “*Approve Transaction*” icon/link will not be available or even appear on screen to any other role but Financial Supervisor.
- Similarly security maintenance is not available to or accessible by any other role but the Security Administrator.

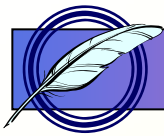
Rule Checkers:

- In addition to role-based security access, various operations in MTCSE are restricted by state-based business rules.
- For instance a Case Worker may be able to view another user’s case but may not transfer or close that case.



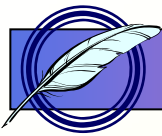
MTS Has Role-Based Security

Actors	Task-Level Goal
Case Worker	Read/Write In Case Management, Locate, Paternity, Orders, Enforcement, Reports, Interfaces. Read-Only Financial Management.
Supervisor	Read/Write In Case Management, Locate, Paternity, Orders, Enforcement, Reports, Interfaces, Supervisor Controls. Read-Only In Financial Management.
System Administrator	Read/Write In Application Administration. No Security Administration Access. No Other Application Access. No Master File Access.
Security Administrator	Read/Write In Security Administration. No System Operation or Administration Access. No Other Application Access. No Master File Access.
Financial Worker	Read-Only For Case Management, Locate, Paternity, Orders, Enforcement, Read/Write for Financial Management, Reports, Interfaces.
Financial Supervisor	Read-Only For Case Management, Locate, Paternity, Orders, Enforcement. Read/Write for Financial Management, Reports, Interfaces, Supervisor Controls.
Super-User	Read/Write In Case Management, Locate, Paternity, Orders, Enforcement, Reports, Interfaces, Supervisor Controls. Read-Only For Financial Management.



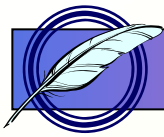
MTS Development Environment

Integrated Development Environment (IDE)	Eclipse WTP 1.5.2
Universal Markup Language (UML)	Visio 2003
J2SE, J2EE	Java 2 Standard & Enterprise
Configuration & Content Management	Alfresco 2.2
Web Services	Axis v2 by Apache
Build/Compile	Apache ANT 1.5.1
Continuous Integration Builder	Continuum and Maven
Unit Testing	Apache JUnit v4
Version Control	Subversion 1.3 by Tigris
Federal Accessibility Validation (§508)	WEBXACT 1.0 by Watchfire
User Interface	Flex3 by Adobe
Business Process Modeling (workflow)	jBPM 3.2 by JBoss
Database	MySQL 5.1



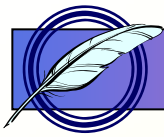
MTS Runtime Environment

Application Server	JBoss Application Server 4.2
Database	MySQL 5.1
OR (Object Relational) Mapping	Hibernate 3.1
Registry	ebXML 2.0
HTTPServer	Apache HttpServer
Reporting	SourceForge's JasperReports 1.2.2
Logging	Apache Commons Logging 1.2
Operating System (Server-side)	MS Windows Server 2003 Red Hat Enterprise Linux 5 Novell SUSE Linux Enterprise 10
Operating System (Desktop)	MS Windows 2000, XP, Linux (MTS is version agnostic)



The Model Tribal System

A Sneak Peek



Model Tribal Systems Status

Standard Screen Components

Common Navigation

Search | Note | Calendar | Third Party | Document Index | Worklist | Help | Logout

Major Function Navigation

Case Management | Paternity | Orders | Enforce | Locate | Financials | Administration | Security | Interface

Local Navigation

- Search
- Case Setup
- Case Summary
- Case Referral
- Case Transfer
- Case Documents
- Case Closure

Case and Participant Header

Case 34567890189892 Joe Bodmer 45690838081

Each MTCSE Screen consists of multiple panels

Functional Panel

Participant Demographics Screen 1 of 2

Personal Data

First Name: Middle Name: Last Name: Sex:

SSN: Date of Birth: Weight:

Race: Ethnicity: Eye Color: Hair Color: Distinguishing Marks:

Address

Address Type: City: Division:

Address 1: State: Country:

Address 2: Zip Code: Description:

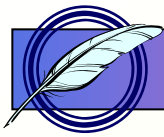
PO Box:

Apt/Suite:

Back Next Cancel

Simple CaseWorker

Internet



Model Tribal Systems Status

Standard Screen Layout

C:\Software\OCSEWorkspace\MTCSE_FlexApp\bin\Main.html - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address C:\Software\OCSEWorkspace\MTCSE_FlexApp\bin\Main.html

Model Tribal Child Support Enforcement System

Search | Note | Search | Calendar | Third Party | Document Index | Worklist | Help | Logout

Case Management | Paternity | Orders | Enforce | Locate | Financial | Interface

Case Management Navigation

- Search
- Case Intake**
- Manage Case
- Case Referral
- Transfer Case
- Case Closure

Case Intake Wizard

Participant Demographics Screen 1 of 3

Personal Data

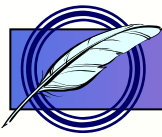
First Name *	<input type="text"/>	Middle Name	<input type="text"/>	Last Name *	<input type="text"/>
SSN	<input type="text"/>	Date of Birth *	<input type="text"/>	Sex *	<input type="text"/>
Race *	<input type="text"/>	Ethnicity	<input type="text"/>	Weight	<input type="text"/>
Eye Color	<input type="text"/>	Hair Color	<input type="text"/>	Distinguishing Marks	<input type="text"/>

Address

Address Type	<input type="text"/>	City	<input type="text"/>	Province	<input type="text"/>
Address 1	<input type="text"/>	State	<input type="text"/>	Country	<input type="text"/>
Address 2	<input type="text"/>	Zip Code	<input type="text"/>	Description	<input type="text"/>
PO Box	<input type="text"/>				
Apt/Suite	<input type="text"/>				

Back Next Finish Cancel

ACF Office of Child Support Enforcement Sample CaseWorker



Tribal Systems Update

Questions?

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