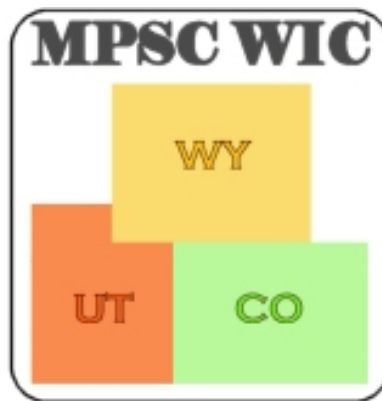


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# Mountain Plains States Consortium WIC System Project

## DETAILED FUNCTIONAL DESIGN DOCUMENT OPERATIONS BATCH PROCESSES

*Presented to:*



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## Document Revisions

Revision Date	Updated By	Requested By	Description of Revision

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# 1 Intrastate Dual Participation

## 1.1 Summary

This process will scan the current participants within the system looking for new matched sets to add to the Intrastate Dual Participation database table.

## 1.2 Attributes

<b>How Initiated</b>	Batch
<b>Run Frequency</b>	Monthly
<b>Affected Data</b>	Intrastate Dual Participation Matches
<b>Staff</b>	State or LA
<b>External Organizations</b>	None
<b>Period Covered</b>	Current
<b>Inputs</b>	Participants
<b>Outputs</b>	Potential Intrastate Dual Participation matches
<b>Prerequisites</b>	None
<b>Effect on Other Processes</b>	None

## 1.3 Process Logic Details

The Intrastate Dual Participation database table contains matched sets of participants based on matching criteria. The criteria used to determine a match are as follows:

- Same date of birth AND
- 2 out of 3 of the following:
  - Same last name (based on Soundex logic)
  - Same first three characters of first name
  - Same sex

This process will scan the participants within the system looking for new matched sets to add to this database table and will add the matched set to the table if it was not already discovered. The matches should only occur once (the lower person id should be in the first set of columns). The MPSC system has online functionality which allows the user to see the results of this process and capture the resolution results (i.e. marking as resolved) of the research of these matched sets.

This batch process excludes investigation family related data.

## 2 Interstate Dual Participation

### 2.1 Summary

This process will read a file provided by another agency (usually from neighboring state). The file must be one of four predetermined formats. Data from the file will be loaded to a common database table. The Interstate Dual Participation report uses this common database table to find potential matches and report on them.

### 2.2 Attributes

<b>How Initiated</b>	Batch
<b>Run Frequency</b>	Daily
<b>Affected Data</b>	Interstate Dual Participation Common Table
<b>Staff</b>	State
<b>External Organizations</b>	These files are provided by various external organizations (see Inputs)
<b>Period Covered</b>	Current File
<b>Inputs</b>	File (from other Agency) Format include: <ol style="list-style-type: none"> <li>1. MPSC CIBER WIC System (from other MPSC state): see Dual Participation Extract in the Clinic Services Batch Processes DFDD</li> <li>2. WIC Indian Networking Data System Nebraska format – WINDS (Wyoming) and Ute Mountain Ute Tribe (Colorado): see WY WINDS Dual Participation File Format-Nebraska.doc</li> <li>3. Arizona File Format (Utah): See Utah File Format Arizona Files.doc</li> <li>4. CSFP (Colorado): see Re: Dual Participation Format and Lists.msg</li> </ol>
<b>Outputs</b>	Interstate Dual Participation Common Table
<b>Prerequisites</b>	None
<b>Effect on Other Processes</b>	Interstate Dual Participation Report

### 2.3 Process Logic Details

This process will scan for 'txt' filenames from the subdirectory (found in the system parameter Operations.InterstateInputFileLocation). The file will be placed (FTP, copied from email, etc.) in this subdirectory ensuring that the predetermined filename is used. This predetermined filename dictates the file format that the process is expecting. The following table contains the predetermined filename and the expected format:

Filename	Expected Format
xxxxx CIBER.txt	MPSC CIBER WIC System

Filename	Expected Format
xxxxx WINDS.txt	WINDS Format-Nebraska
xxxxx ARZ.txt	Arizona Format
xxxxx CSFP.txt	CSFP

**Note:** For the xxxxx, the state should use a single word name that identifies the source (i.e. state). This will be the value that the user will enter as a parameter to the Interstate Dual Participation Report. 'xxxxx' is limited to 15 characters.

For each file that follows the above filename convention, the process will ensure that the file follows its expected format and that it contains records. For files that do not follow the above convention, the process will ignore the file (i.e. must be two word file name, second word must be one of those shown in the above table).

For each valid file, the process will delete any previously loaded records from the database based on the value of 'xxxxx' (this ensures that the report will be using only new data). It will then load the contents of the file into the common InterstateDualParticipation database. The common database contains the common fields that are used by the report program to match and report. Here are the common fields that are found in the database table (populated if available from input file):

Field	Format	Values
Source	Char 15	Based on 'xxxxx'
Last Name	Char 40	From file
First Name	Char 40	From file
Date of Birth	Date	From file
Sex	Char 4	From file; value of 'M' or 'F'
From	Char 30	From file (city)
Certification Date	Date	From file

When record loading is completed, the process will move the file into an Archive subdirectory underneath the subdirectory where the file was placed. At the end, the process will send an email to the address found in the system parameter Operations.InterstateNotifyEmailAddr notifying the recipient of the filenames that were loaded. This will be based on the Email server found in the system parameter System.SMTPServerName.

With the email notification, the user will know that they can now create the Interstate Dual Participation Report.

## 3 Synchronization Preprocess

### 3.1 Summary

This process prepares local agency-specific data that tells the synchronization process what to download. It consists of five separate stored procedures that are executed sequentially. The process must be executed every night before any synchronization downloads.

**Note:** Discussion of Synchronization is found in the System Overview DFDD in Section 5.

### 3.2 Attributes

<b>How Initiated</b>	Batch
<b>Run Frequency</b>	Daily
<b>Affected Data</b>	No affect on OLTP database; Creates and maintains tables within the Synchronization database
<b>Staff</b>	State
<b>External Organizations</b>	None
<b>Period Covered</b>	Current snapshot
<b>Inputs</b>	OLTP Database
<b>Outputs</b>	Synchronization Database
<b>Prerequisites</b>	None
<b>Effect on Other Processes</b>	None

### 3.3 Process Logic Details

Five stored procedures which are executed sequentially within the batch process.

usp\_PreProcess\_UpdateAgencyList – This stored procedure writes to a table called SyncGroup that contains all the snapshots that are needed. Snapshots are partitions of the WIC database that have been separated by agency and/or clinic.

usp\_PreProcess\_CreateBFamGroupTable - Creates and maintains a table called BFamGroup. This table assigns each BenefitFamily to one and only one SyncGroup.

usp\_PreProcess\_CreatePartGroupTable - Creates and maintains the assignment of participants to one and only one BFamGroup.

usp\_PreProcess\_CreateLocalAgencyGroupTable - Creates and maintains the table called LocalAgencyGroup. LocalAgencyGroup contains a cross reference between the LocalAgency table and the SynGroup table.

usp\_PreProcess\_CreateClinicGroupTable - Creates and maintains the table called ClinicGroup. ClinicGroup contains a cross reference between the clinic table and the SynGroup table.

Note: These stored procedures are in Sync database