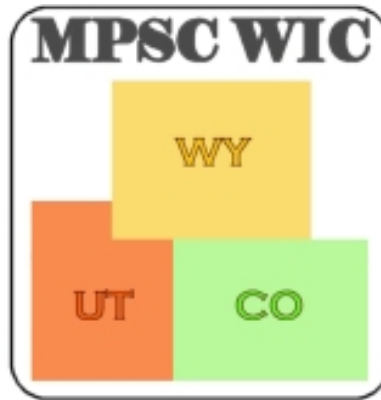

Mountain Plains States Consortium WIC System Project

DETAILED FUNCTIONAL DESIGN DOCUMENT SYSTEM ADMINISTRATION BATCH PROCESSES

Presented to:



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Document Revisions

Revision Date	Updated By	Requested By	Description of Revision

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1 Certification – Farmers’ Market Eligibility

This process updates participant records to indicate that a participant is eligible to receive farmers’ market food instruments.

1.1 Summary

Automatic updates are performed on an annual basis of active participants as follows:

1. Automatically flag active participants as follows:
 - Participant categories identified in parameters
 - Participant ages identified in parameters.
 - Participants in clinics that have the farmers’ market indicator set to true on their clinic record and meet the above conditions.

1.2 Attributes

How Initiated	Upon request
Run Frequency	Annually
Affected Data	Participant data, FMGrowingSeason data
Staff	Central Office and Site staff
External Organizations	None
Period Covered	Current
Inputs	Active Participants who meet farmers’ market eligibility requirements
Outputs	None
Prerequisites	Farmers’ market parameters entered
Affect on Other Processes	Farmers’ market food instrument issuance

1.3 Processing Logic Details

The following processing occurs:

- ◆ Find all active participants that meet the eligibility criteria established in the most recent FMGrowingSeason record.
- ◆ Update their participant record farmers’ market eligibility indicator to true.
- ◆ Update the FMGrowingSeason.ProcessDt to the date of the batch job.

2 System Administration – Deactivate Stale Sessions

This process will move active application sessions to the inactive application sessions table.

2.1 Summary

This batch process deactivates application sessions based on the amount of time the session has been inactive compared to a pre-determined period of time. Every time users communicate with the database server, the application checks the active session table to see if the user still has an active session or if the user must login again.

2.2 Attributes

How Initiated	Batch
Run Frequency	Every 30 Minutes
Affected Data	Inactive and active sessions
Staff	All
External Organizations	None
Period Covered	Current
Inputs	ActiveSession table
Outputs	InactiveSession table
Prerequisites	None
Affect on Other Processes	None

2.3 Processing Logic Details

The process looks at the Active Session table. It specifically looks at the last activity date (ModifyDt) of that table and the prevent timeout indicator as well as the ActiveSession.Status.

If prevent timeout is not set to true, the elapsed time, in minutes, between the last activity date and a system parameter (Batch.TimeoutMinutesAppSession) is compared to determine if the record should be moved to the inactive session table and removed from the active session table, which causes the user to login again in order to access the application.

If prevent timeout is set to true, the elapsed time, in minutes, between the last activity date and a system parameter (Batch.TimeoutMinutesSyncSession) is compared to determine if the record should be moved to the inactive session table and removed from the active session table.

Any records where the ActiveSession.Status = "D," are moved to the inactive session table as well. These records indicate that the user had logged out of the application.

3 System Administration – Purge Audit Database

This process will remove unnecessary records from the Audit database.

3.1 Summary

This batch process removes audit records from the Audit database if they were inserted more than one year ago.

3.2 Attributes

How Initiated	Batch
Run Frequency	Monthly
Affected Data	Audit records
Staff	All
External Organizations	None
Period Covered	Current
Inputs	None
Outputs	None
Prerequisites	None
Affect on Other Processes	None

3.3 Processing Logic Details

The process looks at each table in the Audit database. If the insert date of the record is more than one year ago, the record is deleted.

4 System Administration – Purge OLTP and Reports Databases

This process will remove unnecessary records from both the OLTP database and the Reports database.

4.1 Summary

This batch process removes multiple records, including the family records from the OLTP database and the Reports database based on the amount of time that all the members have been terminated compared to a pre-determined period of time.

4.2 Attributes

How Initiated	Batch
Run Frequency	Monthly
Affected Data	See table below
Staff	All
External Organizations	None
Period Covered	Current
Inputs	None
Outputs	BatchHistory
Prerequisites	None
Affect on Other Processes	Search Results

4.3 Processing Logic Details

This process identifies the families where all members have been terminated for more than the specified period of time. Once these participants have been identified, all related records in all child tables of the participant table are deleted. Similarly, all related records of the benefit family table are deleted. The OLTP database is purged with this job. Transactional replication on the OLTP database handles the deletes in the Reports database. The FI and EBT tables are related to families and will be purged when the related family records are purged. The other tables that reside in the OLTP database that are purged are error log, message, broadcast message and inactive session. These tables are not related to families. These records will be purged when they become older than the specified period of time. This process does not purge vendor, operations, financial or any functional area's reference data. Records are written to the batch log table to give counts of the numbers of individual records purged. IE BloodWork 2435, Anthro 34565. Additionally, for each family purged, a record is written to batch log indicating the family number that was purged.

Affected data:

BroadcastMessage	Message	InactiveSession
ErrorLog		
AdjunctEligibility	EBTPurchaseTransaction	ParticipantCounselingPoint
Anthro	FamilyAddress	ParticipantEBTIssuance
Application	FamilyCarePlan	ParticipantHearing
Appointment	FamilyClinic	ParticipantIdentity
AppointmentNutritionalCounselingPoint	FamilyMember	ParticipantIncFamily
AppointmentParticipant	FamilyReferral	ParticipantPamphlet
BenefitFamily	FCPNutritionEducation	ParticipantProgram
BFPCContact	FI	ParticipantRace
BFPCDocumentation	FIPeerGroupPrice	ParticipantReferral
BFSupply	FMAlias	ParticipantResponse
BloodWork	FMCheckBook	ParticipantRetrieval
BreastPump	FMCheckBookDetail	ParticipantRX
Certification	IncomeDeterm	ParticipantSanction
CertificationSnapshot	IncomeDetermDetail	ParticipantStatus
CertificationTermination	IncomeFamily	ParticipantSurvey
ChildInterviewRisk	InfantBorn	ParticipantType
ClinicRosterFamily	InfantInterviewRisk	ParticipantViolation
ClinicRosterMember	InterviewChild	ParticipantWaitlist
Comment	InterviewInfant	PPBFInterviewRisk
CompletedNtrEd	InterviewPPBF	Pregnancy
CustomerService	InterviewPregnant	PregnantInterviewRisk
EBTAdjustmentFood	MDS	ProxyEndorserApproval
EBTAdjustmentTransaction	MFIGrouping	ReturnedFormula
EBTCard	MotorVoter	RiskDet
EBTCardTransaction	Participant	RiskHeader
EBTIssuance	ParticipantBenefitRestriction	ScannedDocument
EBTIssuedFood	ParticipantCarePlan	SerializedInventoryItemHistory
EBTPurchasedFood		SignatureImage
		VendorFI

5 System Administration – Purge Sync Database

This process will remove unnecessary records from the Synchronization database.

5.1 Summary

This batch process removes the log records from the Synchronization databases if they were inserted more than three months ago.

5.2 Attributes

How Initiated	Batch
Run Frequency	Monthly
Affected Data	Logs
Staff	All
External Organizations	None
Period Covered	Current
Inputs	None
Outputs	None
Prerequisites	None
Affect on Other Processes	Search Results

5.3 Processing Logic Details

The process looks at the log tables in the Synchronization database. If the insert date of the record is more than three months ago, the record is deleted. Records are deleted from the following tables: SynchronizationLogDetail and SynchronizationLogError.