



WIC UNIVERSAL MIS – EBT INTERFACE

Functional Requirements

June 2012

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DOCUMENT INFORMATION

Version	Date Effective	Details
0.08	2/3/2009	Initial revision for external review.
1.1	8/5/2009	Internal review of revisions resulting from comments to first round of comments
1.2	8/9/2009	2 nd Draft for external review
1.3	10/15/2009	3 rd draft for general review and distribution
1.4	10/20/2009	Updated with FNS comments – NWA release
1.5	10/21/2010	Updated with comments on v1.4. Added more explanation about the purpose and use of the document. Version for review by work group.
1.6	11/23/2010	Updated with comments on v1.5. Version for review by public.
2.0, 2.1	4/24/2011	Updated and re-organized based on comments on Version 1.6 and from March 15, 2011 meeting in Virginia.
2.2	5/11/2011	Updated with FNS comments
3.0	7/8/2011	Updated with changes agreed upon in weekly conference calls with workgroup
4.0	8/25/2011	Updated with changes agreed upon in weekly conference calls discussing the data elements used in each function and resolution of open issues from March 15, 2011 meeting in Virginia.
4.1	8/30/2011	Reflects updates from FNS review
5.0	1/4/2012	Updated with changes agreed upon in weekly conference calls that reviewed the comments received on version 4.1.
5.1	1/27/2012	Updated after FNS review
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1 INTRODUCTION

This document standardizes the functional requirements for the Universal Interface between the WIC Management Information Systems (WIC MIS) and the WIC Electronic Benefit Transfer systems (WIC EBT system) used in the Special Supplemental Food Program for Women, Infants and Children (WIC) nutrition program. The document defines and describes:

- a) The types of WIC MIS and WIC EBT systems
- b) The types of interfaces between WIC MIS and WIC EBT systems.
- c) The functions to be supported in the Universal Interface.
- d) The core data elements required by the defined functions.
- e) The processing rules to be implemented to support the functions.
- f) The recommended distribution of functions between the WIC MIS and the WIC EBT system.

This document supplements the *Functional Requirements Document for a Model WIC Information System (FReD)* (2009). It identifies those functions in the WIC MIS which have an interface with the WIC EBT System and additional functions unique to a WIC MIS - EBT Universal Interface.

The users of this document are the WIC State Agencies, EBT Card Issuer Processors and WIC MIS developers. The system interfaces that are designed to comply with these functional requirements may be developed by and/or reside at the WIC State Agency (in-house) or they may be developed and provided by a contracted party (outsourced). The system developer may be the WIC State Agency itself or a contracted party.

The document is not intended to serve as an Application Programming Interface (API) reference or technical interface specification document. The method of exchanging data between the WIC MIS and WIC EBT systems has purposefully been left to the system developer. These functional requirements are independent of the underlying technical implementation and details of specific technical implementations are beyond the scope of this document. It is expected that the detailed interface specification for individual WIC State Agencies will be defined by the parties involved.

The goal is to make the WIC State Agency's choice of the WIC EBT system free from system interface constraints and to reduce the need for future system modifications. It is also expected that a WIC State Agency replacing its WIC MIS will consider the WIC EBT capabilities of any transfer system that has been updated to comply with the Universal Interface document.

The advantages of a Universal Interface are:

- a) Software modifications are kept to a minimum for a WIC State Agency interfacing a WIC MIS to a WIC EBT system.
- b) At WIC State Agencies utilizing an external EBT processor model, changing EBT Card Issuer Processors will not require major interface updates for either the WIC State Agency or

competing EBT Card Issuer Processors. This will help to improve competition among EBT Card Issuer Processors and reduce WIC State Agency development costs.

- c) WIC State Agency EBT business process implementation and technology choices are transparent to the WIC State Agency MIS systems, except for the WIC EBT system differences due to the choice of card technology (i.e. smartcard vs. magnetic stripe).
- d) FNS and WIC State Agencies realize significant cost advantages from standardization.
- e) WIC MIS transfers will be less costly and less complex to implement.

All system interfaces between the WIC MIS and the WIC EBT system shall conform to the functional requirements defined in this document. Existing WIC MIS and WIC EBT system interfaces that do not comply with these functional requirements may continue to operate, however they may not be utilized in future WIC EBT implementations until they comply with this document. WIC State Agencies should contact FNS for any questions they may have regarding compliance with the Universal Interface document.

2 ACRONYMS AND ABBREVIATIONS

Readers of this document are encouraged to become familiar with the acronyms and abbreviations in this section.

Abbreviation /Acronym	Definition
ABA	American Banker Association
ACH	Automated Clearing House
APL	Authorized Products List
CAD	Card Acceptor Device
EBA	Electronic Benefit Account
EBT	Electronic Benefit Transfer
FReD	Functional Requirements Document (<i>Functional Requirements Document for a Model WIC Information System (2009)</i>)
FTP	File Transfer Protocol
GUI	Graphical user interface
HCL	Hot Card List
HOH	Head of Household
ID	Identification
MSA	Management Information System Account
MIS	Management Information System
NTE	Not To Exceed
NUPC	National Universal Product Code data base system
PIN	Personal Identification Number
PLU	Price Look Up
SNAP EBT	Supplemental Nutrition Assistance Program, formerly known as Food Stamp Program
SSO	Single Sign-On
TIG	Technical Implementation Guide
UPC	Universal Product Code
WIC	Special Supplemental Nutrition Program for Women, Infants, and Children
XML	Extensible Markup Language

3 DEFINITIONS

Readers of this document are encouraged to become familiar with the definitions in this section. The definitions shown are capitalized when used in this document to aid clarity. The data elements used in the message and batch interfaces are listed in Appendix A and are capitalized and italicized in the text except when shown as data elements in tables.

Term	Definition
Automated Clearing House	A payment service that accepts requests for payments (debits or credits) and clears them through the banking system to the receiving entity's bank based on the ABA routing and transit number provided
EBT Card Issuer Processor	An entity contracted by the responsible government agency for the implementation, maintenance and operation of the WIC State Agency's WIC EBT system and acts as the agent of the WIC State Agency to process and settle transactions.
Not to Exceed (NTE)	FNS-approved Cost Containment methodology whereby WIC Vendors are subject to price limitations set by each WIC State Agency.
Price Look Up code (PLU)	Code assigned by the International Federation of Produce Standards (IFPS) to bulk produce food items.
Reconciliation	The process of comparing two sets of information to identify and resolve differences, e.g., benefit redeemed or transactions processed.
Settlement	The transfer of funds to complete one or more prior transactions made, subject to final accounting, e.g., an ACH payment to a WIC Vendor for approved transactions.
Smart Card	A payment card that has a computer chip embedded on the card.
Technical Implementation Guide (TIG)	The <i>WIC EBT Technical Implementation Guide</i> published by USDA-FNS as amended and updated.
Third Party Processor	An entity that provides transaction processing services on behalf of the WIC Vendor, Acquirer or EBT Card Issuer Processor.
Universal Product Code (UPC)	A numeric code assigned by individual parties to identify a product as defined in ISO/IEC 15420 for bar codes.
WIC Vendor	The merchant location that provides authorized WIC food items under an Authorized WIC Vendor Agreement with a WIC State Agency.
X9.93 Standards	The standards published by the American National Standards Institute (ANSI) titled <i>ANS X9.93-2008 Financial transaction messages – Electronic benefits transfer (EBT) – Part 1: Messages</i> and <i>ANS X9.93-2008 Financial transactions messages – Electronic benefits transfer (EBT) – Part 2: File</i> , as amended and updated.

4 WIC MIS AND WIC EBT SYSTEM OVERVIEW

WIC Management Information Systems perform the sequence of events that occur when an individual applies for and receives WIC benefits. The WIC MIS determine eligibility of the applicant, capture demographic data, create, assign and maintain benefit prescriptions and issue and maintain WIC cards for the WIC Participant and/or WIC household. The WIC MIS (or a separate WIC State Agency system) also perform the sequence of events that occur when a retailer applies for and is approved to be a WIC Vendor. The WIC MIS determine eligibility of the WIC Vendor, capture demographic data and establish data collection, payment and adjustment processes with the WIC Vendor. The WIC MIS also establishes and maintains the Authorized Product List (APL) of food items for WIC purchase in some WIC State Agencies.

WIC EBT systems perform the sequence of events that occur when a WIC Cardholder makes a purchase with their WIC EBT Card to redeem WIC benefits at an authorized WIC Vendor. WIC EBT systems also capture and prepare transaction data for reconciliation and settlement with the WIC Vendor. The WIC MIS also provides data to enable WIC State Agencies to reconcile benefits.

The following sections provide a basic overview of WIC Online and Smart Card EBT processing and identify the functions to be supported in WIC MIS and WIC EBT system interfaces. For more detailed information, see the *Operating Rules – Women, Infants and Children (WIC) – Electronic Benefits Transfer (EBT)*.

4.1 WIC ONLINE EBT

WIC Online EBT processing uses a payment card that has a magnetic stripe to perform a series of real-time transactions between the card acceptor device (CAD) at the WIC Vendor and the EBT Card Issuer Processor to approve the WIC EBT transaction. Each WIC EBT purchase request is sent to the EBT Card Issuer Processor for approval and includes the food items being purchased.

To reconcile and settle completed transactions, approved purchases are totaled by the EBT Card Issuer Processor at the end of each processing day, and a WIC Auto-reconciliation file and an ACH payment file are created. The WIC Auto-reconciliation file is sent to the WIC Vendor or their agent. Based on the ACH payment file, funds are deposited to the designated financial institution that holds the settlement account for the WIC Vendor.

In a WIC Online EBT system, the WIC benefit data and the WIC Vendor and settlement data are housed on the WIC Online EBT system.

4.2 WIC SMART CARD EBT

WIC Smart Card EBT processing accesses the chip on an integrated circuit card to interact with the CAD at the WIC Vendor to approve purchases. Each WIC EBT purchase is authorized at the WIC Vendor and requires no real-time connection to the WIC EBT system.

To reconcile and settle completed transactions, approved purchases are totaled by the WIC Vendor or their agent at the end of each Processing Day and a WIC Claim File is created and submitted to the WIC State Agency for payment.

The WIC State Agency or their WIC Smart Card EBT processor will validate the WIC Claim File, create the WIC Auto-reconciliation file and will request an ACH payment file for valid transactions be generated by the financial entity responsible for payment. The ACH payment file is submitted to the WIC State Agency's settlement bank. Funds are deposited to the WIC Vendor's account at their settlement bank. The WIC State Agency returns a WIC Auto-reconciliation file to the WIC Vendor that enables the WIC Vendor to reconcile transactions.

In a WIC Smart Card EBT system, the WIC Participant prescription benefit data is housed in a computer chip on the WIC Participant's WIC EBT card while the WIC Vendor and settlement data is housed either in-house at the WIC State Agency or remotely on a contracted WIC EBT system.

4.3 WIC MIS - EBT UNIVERSAL INTERFACE FUNCTIONAL AREAS

Table 1 lists the nine (9) Universal Interface functional areas described in this document that are equally applicable to either a WIC Online or Smart Card EBT system interface to a WIC MIS, and provides a cross-reference to the corresponding Functional Area described in the FReD.

Table 1 WIC MIS - EBT Universal Interface Functional Areas

Function number	Functional area	FReD function area
1	WIC EBA Account Maintenance	Certification
2	WIC Benefit Maintenance	Food Benefit Issuance
3	WIC Cardholder/Card Maintenance	Certification
4	WIC Vendor Maintenance	Vendor Management
5	WIC Food Maintenance	Food Management
6	WIC Benefit Data Reconciliation	Food Benefit Redemption, Settlement and Reconciliation
7	Local Agency Maintenance	Operations Management
8	Clinic Maintenance	Operations Management
9	Financial Settlement	Financial Management

System developers of new WIC Management Information Systems shall incorporate all of the defined WIC EBT functions and data requirements within their designs in such a way that they may be integrated equally well with either a WIC Smart Card or Online EBT solution.

5 INTERFACE TYPES

When first implementing a WIC EBT system or when replacing a WIC EBT system, a WIC State Agency shall choose a system based on an analysis of the functions and types of interfaces offered that best work within the capabilities of its WIC MIS environment. The types of WIC EBT and WIC MIS interfaces described in this document are:

- a) Message Based System interface – the systems exchange messages to perform the function. Message based system interfaces are used for performing real time transfers of data between The WIC MIS and WIC EBT systems.
- b) Batch System interface – the systems exchange batches containing data to perform the function.

The message based system interface and batch system interface types may be used independently or in combination depending on the needs and preferences of the system developer. The following sections describe each type of interface and the common data elements for each type of interface. Throughout the document, data elements used in a specific function are listed in alphabetic order.

User interfaces are not defined in this document. See Section 5.3 for a description of user interfaces.

The common data elements are defined in Appendix A - Data Dictionary. The condition codes used in the data element tables shown in each function are:

M (Mandatory) – Indicates that a data element is mandatory in both directions of the interface and may not be NULL.

ME (Mandatory Echo) – Indicates that a data element is required to be echoed from the previous message(s).

C (Conditional) – Indicates that if the condition identified applies, then the data element shall be present, otherwise its inclusion is subject to bilateral agreement. If a data element is not present, the default value indicated shall be used with fixed length data elements to fill the position for the data element. For alphanumeric and alpha data elements, the default values shall be spaces, unless otherwise indicated. For numeric data elements, the default value shall be zeroes, unless otherwise noted.

CE (Conditional Echo) – Indicates that if the condition identified applied in the request message, then the data element is echoed in the response message.

O (Optional) – Indicates that a data element is optional and may be NULL. For update functions, if the field has an existing value and that value is to be preserved, then the existing value shall be supplied as a data element in the update function. A value of null will cause the existing value to be overwritten with null. The use of data elements indicated as optional shall be decided by bilateral agreement.

5.1 MESSAGE BASED SYSTEM INTERFACES

WIC regulations require “same day service” for WIC Participants which means that once notice of certification is provided, the WIC Participant may leave the clinic with benefits and shop at an authorized WIC Vendor location.¹ Consequently, many of the functions performed between the WIC MIS and the WIC EBT systems, such as account set up or benefit issuance, require a real time, message based system interface. A requirement for the Universal Interface is to make access to WIC EBT functions seamless to a user in the WIC clinic and to allow the use of the WIC EBT system to be driven by the WIC MIS user.

Some MIS designs permit remote or disconnected clinic operations. These MIS may still use a message based interface although some functions may not be fully completed until the MIS is connected to the WIC EBT or WIC State Agency system.

Message based system interfaces shall have the WIC MIS invoke WIC EBT functions by sending a message to the WIC EBT system. The WIC MIS will provide the user interface, when appropriate, that will either gather the data necessary to execute a WIC EBT function or present the results of a WIC EBT query to the clinic user. The response in a message based interface may be one or more messages providing the requested data.

5.1.1 DATA REQUIRED IN ALL MESSAGE BASED SYSTEM INTERFACES

The following list of data elements and their associated condition codes (CC’s) shall be included in both directions of the messages exchanged in a message based system interface, except for *Function return code*. See Appendix A for definitions.

Data element name	Condition sending	Condition responding	Usage notes
Clinic ID	C	CE	Mandatory if transaction originates from a clinic
Date and time, transmission	M	M	
Function return code		O	May be used to explicitly indicate that a message was received and the result of processing the message; See Appendix B.2 for values
Initiating user ID	C	C	Mandatory if <i>Clinic ID</i> present
Local agency ID	C	CE	Mandatory if transaction originates from a local agency
Message type	M	M	

¹ Regulation reference: 7 CFR 246.7(f)(2)(iv)

Data element name	Condition sending	Condition responding	Usage notes
Message version	M	M	
Unique EBT transaction identifier	M	M	
Username	M	M	
WIC EBT system ID	M	M	
WIC MIS system ID	M	M	
WIC State Agency ID	M	M	
Workstation ID	C	CE	Mandatory if <i>Clinic ID</i> present

5.1.2 FUNCTIONAL AREAS USING MESSAGE BASED SYSTEM INTERFACES

Message based system interfaces shall be used for the following functional areas and the specified related functions. A required function is considered a core function for the interface that shall be included in order to comply with the Universal Interface. An optional function is non-core and may be implemented by bi-lateral agreement. There are 14 required functions in message based system interfaces, 2 of which may be accomplished with batch based system interfaces.

Functional Area	Function	Implementation
WIC EBA Account Maintenance	6.1.1 Add EBA	Required
	6.1.2 Update EBA	Required
	6.1.3 Get EBA Details	Required
	6.1.4 Get EBA Using Card Number	Optional
WIC EBA Benefit Maintenance	6.2.1 Add or Update Benefits	Required
	6.2.2 Get Benefit Balance	Required
	6.2.3 Get Benefit Maintenance History	Required
	6.2.4 Get Benefit Redemption History	Required
WIC Cardholder/Card Maintenance	6.3.1 Add Cardholder/Card	Required
	6.3.2 Add or Update PIN	Optional
	6.3.3 Get Cardholders/Cards	Required
	6.3.4 Update Card/Cardholder	Required
	6.3.6 Get Card History	Required

Functional Area	Function	Implementation
	6.3.7 Generate Hot Card List	Optional
WIC Food Maintenance	6.5.1 Get Category Information	Optional
	6.5.2 Get Sub-Category Information	Optional
	6.5.5 Get UPC/PLU Information	Required
	6.5.6 Generate APL File	Optional
Local Agency Maintenance	6.7.1 Add Local Agency	Optional
	6.7.2 Update Local Agency	Optional
Clinic Maintenance	6.8.1 Add Clinic	Optional
	6.8.2 Update Clinic	Optional

Message based system interfaces may be used for the following functions which may also be accomplished with batch based system interfaces. Required functions shown below shall be included using either a message based system interface or a batch based system interface in order to comply with the Universal Interface.

Functional Area	Function	Implementation
WIC Vendor Maintenance	6.4.1 Add WIC Vendor	Required
	6.4.2 Update WIC Vendor	Required
	6.4.3 Add or Update WIC Vendor Hierarchy information	Optional
	6.4.4 Update WIC Vendor Status	Optional
	6.4.5 Update WIC Vendor Banking information	Optional
Financial Settlement	6.9.1 Request ACH Payment	Optional

5.1.3 MESSAGE PROCESSING STANDARDS

The following processing standards shall be applied to processing done with a message system interface.

- 1) The WIC EBT system and the WIC MIS shall maintain the necessary computer hardware and software to interface directly with data processing facilities required to accommodate message based system interfaces.
- 2) The WIC EBT system and the WIC MIS shall be available during business hours for message based system interfaces except for scheduled maintenance which shall not exceed two (2) hours per month unless other timeframes are agreed upon by the WIC State Agency.

- 3) All message based system interface messages shall be processed within 20 seconds.
- 4) If the condition specified for a data element is not met, the data element may be omitted from the message.
- 5) If a data element is shown as optional, the data element may or may not be present as determined by bilateral agreement.

5.2 BATCH SYSTEM INTERFACES

A batch system interface is used for the transfer of bulk data between the WIC MIS and WIC EBT system and to synchronize data stored in separate locations. This may be a two-way data flow, with some of the transfers being initiated by the WIC MIS and others by the WIC EBT system.

Use of this form of system interface is left to the WIC State Agency and the system developer and depends upon where certain WIC EBT related functions have been implemented. In some instances, a message system interface may be used instead of, or in addition to, a batch system interface.

This document does not define a standard header and trailer record nor does it define standard file confirmation protocols and error reporting mechanisms. It is up to the system developer as to how to convey the required data in a batch system interface.

5.2.1 DATA REQUIRED IN ALL BATCH SYSTEM INTERFACES

The following list of data elements shall be included in each batch system interface.

Data element name	Condition	Usage notes
Count, detail records	M	
Date and time, transmission	M	File create date and time
File name	M	
File sequence number	M	
File format version	M	
Originator of file	M	<i>Forwarding institution ID code, WIC EBT system ID, WIC MIS System ID</i>
Receiving institution	M	<i>Receiving institution ID code, WIC State Agency ID or BIN</i>
Record sequence number	M	
Type code	M	File type, see Appendix B.7 for values

5.2.2 FUNCTIONAL AREAS USING BATCH SYSTEM INTERFACES

Batch system interfaces shall be used for the following functional areas and the specified related functions. A required function is considered a core function for the interface. An optional function is non-core and may be implemented. There are 7 required functions in batch based system interfaces, 2 of which may be accomplished with a message based system interface.

Functional Area	Function	Implementation
WIC Cardholder/Card Maintenance	6.3.5 Report Card Updates	Optional
WIC Food Maintenance	6.5.3 Add or Update Category/Sub-Category Information	Required
	6.5.4 Add or Update UPC/PLU Information	Required
WIC Benefit Data Reconciliation	6.6.1 Report WIC Benefit Redemptions	Required
	6.6.2 Report WIC Benefits Purged	Required
	6.6.3 Report WIC Benefit Changes	Required
	6.6.4 Report WIC Benefit Month Data	Optional
Financial Settlement	6.9.2 Report ACH Payments	Optional

Batch system interfaces may be used for the following functional areas which may also be accomplished with message based system interfaces. Required functions shown below shall be included using either a message based system interface or a batch based system interface in order to comply with the Universal Interface.

Functional Area	Function	Implementation
WIC Vendor Maintenance	6.4.1 Add WIC Vendor	Required
	6.4.2 Update WIC Vendor	Required
	6.4.3 Add or Update WIC Vendor Hierarchy information	Optional
	6.4.4 Update WIC Vendor Status	Optional
	6.4.5 Update WIC Vendor Banking information	Optional
Financial Settlement	6.9.1 Request ACH Payment	Optional

5.2.3 BATCH PROCESSING STANDARDS

The following processing standards shall be applied to processing done with a batch system interface.

- 1) A confirmation shall be provided to the sending party that the file was received for the files listed in Section 8.4.2.
- 2) Batch level errors (e.g. wrong sequence, wrong record count, etc.) shall be reported to the sending party.
- 3) Detail record errors (e.g. provide specific record identifier and indication of specific error) shall be reported to the sending party.

- 4) Batches may be transmitted on an as needed or periodic basis e.g., daily or monthly.
- 5) A batch with no records shall indicate that no action is to be taken by the receiving system.
- 6) If the condition specified for a data element is not met, the data element may be defaulted to the default value indicated in the Data Dictionary. The default value indicated shall be used with fixed length data elements to fill the position for the data element. For alphanumeric and alpha data elements, the default values shall be spaces, unless otherwise indicated. For numeric data elements, the default value shall be zeroes, unless otherwise noted.

5.3 USER INTERFACES

A user interface, also called a Graphical User Interface (GUI) provides a person in the clinic or at the EBT Card Issuer Processor with the ability to enter queries and retrieve information from the WIC MIS or WIC EBT system. As such, it is not a type of interface between the MIS system and the EBT system however it is required that each system provide a means for its users to access their system via a user interface. The detailed requirements for the user interface are outside the scope of this document.

5.3.1 FUNCTIONAL AREAS USING USER INTERFACES

User interfaces may be developed for all of the Universal Interface functions defined in this document. For functions accomplished with a batch system interface, the user interface may be used to initiate, query or terminate a batch system interface.

6 UNIVERSAL INTERFACE FUNCTIONAL REQUIREMENTS

This section describes each functional area and their related functions.

Each description of a functional area is organized as follows:

- 1) Description – Describes the functional area.
- 2) Functions – A table listing the functions implemented for the functional area, whether the function is required or optional in an implementation, the system interface type used for that function and the party responsible for originating the function.

The function table is followed by subsections for each function organized as follows:

- 1) Description - There is a brief description of the function.
- 2) Data elements - There is a table of input data elements for the function. The table only covers the core data elements needed for the specific function. The table contains the following columns:
 - a. Data element name – Name of the data element as it appears in the Data Element Dictionary.
 - b. Data element condition code (“Condition”) – Indicates whether the data element is Mandatory (M), Conditional (C) or Optional (O)
 - c. Usage notes – Explains the condition or requirements of data element usage.
- 3) Processing Rules – Any processing rules governing the function are listed.

It should be noted that the functions described may be combined or parsed as desired in the system design for efficiency, e.g., more than one function may be initiated between the parties for a designated entity.

6.1 WIC EBA ACCOUNT MAINTENANCE

The WIC EBA Account Maintenance functional area comprises functions for maintaining an Electronic Benefit Account (EBA) in the WIC EBT System. An EBA is account data maintained either on the WIC EBT host (WIC Online EBT) or on the chip in the Smart Card (WIC Smart Card EBT) in combination with data maintained at the WIC EBT system (WIC Smart Card EBT). The EBA is linked to an account on the WIC MIS using the WIC MIS account (MSA) ID. An EBA ties together all of the various data elements required to enable WIC EBT for a WIC account, such as benefit information, card data and transaction history. The EBA is updated when card information is changed, such as when a card is replaced.

The following table lists the WIC EBA Account Maintenance functions and the implementation requirement, system interface type and originator of function for each function.

WIC EBA Account Maintenance functions	Implementation requirement	System interface type	Originator of function
Add EBA	Required	Message based	WIC MIS
Update EBA	Required	Message based	WIC MIS
Get EBA Details	Required	Message based	WIC MIS
Get EBA Using Card Number	Optional	Message based	WIC MIS

The WIC EBT system maintains account demographics, but account set-up, update and deactivation is initiated from the WIC MIS.

6.1.1 ADD EBA

The Add EBA function is a required function that uses a message based system interface to establish an EBA in the WIC EBT System and link the EBA to a WIC account from the WIC MIS. To establish an EBA account, only the *WIC MIS account ID* is required. The WIC EBT System expects that the WIC MIS shall perform any necessary checks for dual participation. The addition of cards and cardholders is described in 6.3.1. The following table lists the data elements sent for the Add EBA function:

Data element name	Condition	Usage notes
Address, household mailing	O	
Date of birth, head of household	O	
Gender	O	May be used to identify the head of household
Language code	O	May be used to provide customer service, see Appendix B.4 for values
Name, head of household	O	
Type code	M	WIC MIS account type (Household, Emergency Disaster, Compliance buy, Vendor), see Appendix B.7 for values
WIC MIS account ID	M	
The following data elements are repeated for each card/cardholder being added for the EBA account at the time it is created, if any:		
Address, cardholder mailing	O	
Card number	C	Mandatory if adding card/cardholder
Date of birth, cardholder	O	
Name, cardholder	C	Mandatory if adding card/cardholder
Phone number, cardholder	O	
Status code	C	Valid/read to shop card, mandatory if adding card/cardholder; see Appendix B.6 for values
Type code	M	Cardholder type (Primary, secondary, proxy), see Appendix B.7 for values

The following data elements are returned for the Add EBA function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message, see Appendix B.2 for values

The following table lists the processing rules for the Add EBA function:

Rule ID	Description
6.1.1.1	Validate that the <i>WIC MIS account ID</i> does not already exist for calling WIC State Agency (not necessarily applicable for WIC Smart Card EBT system).
6.1.1.2	If <i>Date, effective</i> is not present the WIC EBT system shall assume the current date.

6.1.2 UPDATE EBA

The Update EBA function is a required function that uses a message based system interface to change the head of household date of birth, name, or address that is held in the WIC EBT database and/or to update an EBA with a new *WIC MIS account ID*. It is also used to change the status of an EBA by deactivating or reactivating or placing on hold an EBA in the WIC EBT system as indicated by the *Action code*. The WIC MIS account *Type code* for an EBA should not be changed using this function; instead the account should be deactivated and a new one with the correct type established. It is recommended that WIC MIS support unique *WIC MIS account IDs* statewide. The following table lists the data elements sent for the Update EBA function:

Data element name	Condition	Usage notes
Action code	M	Activate, Update, Deactivate, Hold, etc. See Appendix B.1 for values
Address, household mailing	O	
Date of birth, head of household	O	
Date, effective	O	Used if updates are to take place at a future date
Gender	O	
Language code	O	See Appendix B.4 for values
Name, head of household	O	
Reason code	O	See B.5 for values
WIC MIS account ID	M	
WIC MIS account ID, new	O	If present, this <i>WIC MIS account ID</i> will be associated to the EBA and the old <i>WIC MIS account ID</i> will be deactivated.

The following data elements are returned for the Update EBA function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values
Status code	O	Indicates result, Activated, Deactivated, etc. See Appendix B.6 for values

The following table lists the processing rules for the Update EBA function:

Rule ID	Description
6.1.2.1	Validate that the (OLD) <i>WIC MIS account ID</i> exists.
6.1.2.2	If a (NEW) <i>WIC MIS account ID</i> is provided, then the WIC EBT System shall validate that the New <i>WIC MIS account ID</i> does not already exist.
6.1.2.3	If a (NEW) <i>WIC MIS account ID</i> is provided, then the WIC EBT System shall deactivate the (OLD) <i>WIC MIS account ID</i> (optional).
6.1.2.4	If the <i>WIC MIS account ID</i> is deactivated, the WIC EBT System shall purge the remaining benefits when they expire.
6.1.2.5	If the EBA account is placed on hold (<i>Action code</i> = "A007") then the WIC EBT System shall not allow redemptions on any cards issued to the account.
6.1.2.6	If the EBA account is placed on hold, then the WIC EBT System shall allow benefit adds/updates.

6.1.3 GET EBA DETAILS

The Get EBA Details function is a required function that uses a message based system interface to return detailed information on the EBA. This function allows a WIC MIS user the ability to have EBA information displayed via a WIC MIS screen. The WIC EBT System shall identify the EBA and return the household data information available.

The following table lists the data elements sent for the Get EBA Details function:

Data element name	Condition	Usage notes
Type code	O	WIC MIS Account type, default "Household", see Appendix B.7 for other values
WIC MIS account ID	M	

The following data elements are returned for the Get EBA Details function:

Data element name	Condition	Usage notes
Address, household mailing	C	Mandatory if provided when the EBA was added or updated
Date of birth, head of household	C	Mandatory if provided when the EBA was added or updated
Gender	C	Mandatory if provided when the EBA was added or updated
Language code	C	Mandatory if provided when the EBA was added or updated; see Appendix B.4 for values
Name, head of household	C	Mandatory if provided when the EBA was added or updated
Status code	M	<i>Status code</i> assigned when EBA was last updated, see Appendix B.6 for values
Type code	M	<i>Type code</i> assigned when EBA was added, see Appendix B.7 for values
WIC MIS account ID	M	

The following table lists the processing rules for the Get EBA function:

Rule ID	Description
6.1.3.1	Validate that the <i>WIC MIS account ID</i> exists and is active.

6.1.4 GET EBA USING CARD NUMBER

The Get EBA Using Card Number function is an optional function that uses a message based system interface to provide the WIC EBT *Card number* to identify the *WIC MIS account ID* and then display the household record in the WIC MIS. For example, a WIC EBT card is inserted or swiped or manually entered; the household ID is obtained triggering the WIC MIS to open the record for that household. The WIC EBT System shall identify the EBA associated with the *Card number* and return the data elements associated with the EBA.

The following table lists the data elements sent for the Get EBA Using Card Number function:

Data element name	Condition	Usage notes
Card number	M	

The following data elements are returned for the Get EBA Using Card Number function:

Data element name	Condition	Usage notes
Address, household mailing	O	
Card number	C	Mandatory if <i>Card number</i> is different than that sent
Date, effective	M	Identifies the effective date of the <i>Status code</i>
Date of birth, head of household	O	
Gender	O	
Language code	O	See Appendix B.4 for values
Name, head of household	O	
Status code	M	<i>Status code</i> assigned to the MIS account when the EBA was last updated; see Appendix B.6 for values
Type code	M	<i>Type code</i> assigned to the MIS account when the EBA was added; see Appendix B.7 Appendix B for values
WIC MIS account ID	M	

The following table lists the processing rules for the Get EBA Using Card Number function:

Rule ID	Description
6.1.4.1	Validate that the <i>WIC MIS account ID</i> exists and is active.

6.2 WIC EBA BENEFIT MAINTENANCE

The WIC EBA Benefit Maintenance functional area comprises functions for maintaining and querying benefit information associated with the EBAs in the WIC EBT System.

The following table lists WIC EBA Benefit Maintenance functions, and the implementation requirement, system interface type and originator of function for each function.

WIC EBA Benefit Maintenance functions	Implementation requirement	System interface type	Originator of function
Add or Update Benefits	Required	Message based	WIC MIS
Get Benefit Balance	Required	Message based	WIC MIS
Get Benefit Maintenance History	Required	Message based	WIC MIS
Get Benefit Redemption History	Required	Message based	WIC MIS

6.2.1 ADD OR UPDATE BENEFITS

The Add or Update Benefits function is a required function that uses a message based system interface to add (issue) or subtract (void) a *Benefit quantity* from an EBA. Issuing benefits results in an addition (credit) to the WIC Cardholder's benefits; voiding benefits results in a subtraction (debit). Current and future benefits may be issued and voided by using the *Date, begin benefit* and *Date, end benefit* data elements in this function.

A unique *Benefit issuance ID* is assigned to benefits at the *WIC MIS account ID* level when issued and remains the same when those benefits are changed or reported.

The following table lists the data elements sent for the Add or Update Benefits function:

Data element name	Condition	Usage notes
Action code	M	Issue, Void or Hold; see Appendix B.1 for values
Card number	C	Mandatory if request is for a specific card associated with the <i>WIS MIS account ID</i>
WIC MIS account ID	M	
Reason code	O	New, Request, Withdrawal, etc. See Appendix B.5 for values
Multiple month's benefits may be added/voided for each <i>WIC MIS account ID</i> and/or <i>Card number</i> :		
Benefit issuance ID	M	A new value is assigned for each add or void
Date, begin benefit	M	
Date, end benefit	M	
A list of the following elements are repeated for each <i>Benefit issuance ID</i> :		
Benefit quantity	M	
Category code	M	
Category long description	O	
Sub-Category code	M	
Sub-Category long description	O	

The following data elements are returned for the Add or Update Benefits function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values
Status code	C	Mandatory if <i>Action code</i> indicated benefits to be placed on hold, <i>Status code</i> is set to "On hold", see Appendix B.6 for values.

The following table lists the processing rules for the Add or Update Benefits function:

Rule ID	Description
6.2.1.1	Validate that the <i>WIC MIS account ID</i> exists and is active.
6.2.1.2	Validate that the combination of <i>Category code</i> and <i>Sub-Category code</i> is valid for the WIC State Agency.
6.2.1.3	The WIC MIS shall perform a balance inquiry before updating benefits.
6.2.1.4	If the transaction is a subtraction (void), then the Benefit ID, <i>Date, begin benefit</i> and <i>Date, end benefit</i> shall exactly match the Benefit ID, <i>Date, begin benefit</i> and <i>Date, end benefit</i> for the categories and subcategories to be debited or the transaction is rejected. Partial voids are not allowed.
6.2.1.5	If the transaction is a subtraction (void), then the WIC EBT System shall only perform the subtraction if there is sufficient balance to post the entire subtraction. Partial voids are not allowed.
6.2.1.6	If the transaction is an addition (issue), then there shall be a validation that the total <i>Benefit quantity</i> (units) available for the <i>Category code</i> and <i>Sub-Category code</i> on a given date shall not exceed the maximum balance (999.99).
6.2.1.7	Validate that EBA exists and is active
6.2.1.8	Validate that the Benefit ID is unique.

6.2.2 GET BENEFIT BALANCE

The Get Benefit Balance function is a required function that uses a message based system interface to retrieve benefit information for a particular EBA. This function allows the WIC MIS to retrieve from the WIC EBT system the remaining balance for the EBA and display it via the WIC MIS.

The following table lists the data elements sent for the Get Benefit Balance function:

Data element name	Condition	Usage notes
Benefit issuance ID	O	Mandatory if specific benefit ID requested
Card number	C	Mandatory if <i>WIC MIS account ID</i> not present
Date, end request	O	If not present, default to all dates
Date, start request	O	If not present, default to all dates
WIC MIS account ID	C	Mandatory if <i>Card number</i> not present

The following data elements are returned for the Get Benefit balance function:

Data element name	Condition	Usage notes
Card number	C	Mandatory if not sent in request
WIC MIS account ID	C	Mandatory if not sent in request
The following data is repeated for each <i>WIC MIS account ID</i> and/or <i>Card number</i> :		
Benefit issuance ID	O	Mandatory if requested
Date, begin benefit	M	
Date, end benefit	M	
The following data is repeated for each <i>Benefit issuance ID</i> or date range:		
Benefit quantity, active hold	M	
Benefit quantity, available	M	
Category code	M	
Sub-Category code	M	

The following table lists the processing rules for the Get Benefit Balance function:

Rule ID	Description
6.2.2.1	Validate that the <i>WIC MIS account ID</i> exists and is active.
6.2.2.2	If <i>Date, begin request</i> and <i>Date, end request</i> are not provided, then the WIC EBT System shall only return records where the current date is between the <i>Date, begin benefit</i> and <i>Date, end benefit</i> .
6.2.2.3	Validate that the EBA exists and is active.
6.2.2.4	The <i>Category code long description</i> , <i>Category code short description</i> , <i>Sub-Category code long description</i> and <i>Sub-Category code short description</i> data shall be maintained in the MIS and EBT system.

6.2.3 GET BENEFIT MAINTENANCE HISTORY

The Get Benefit Maintenance History function is a required function that uses a message based system interface to retrieve benefit maintenance transaction data for a particular EBA. This function allows the WIC MIS to retrieve from the WIC EBT system the benefit maintenance transaction history for a given period for the EBA and display it via the WIC MIS. This function may also be used by the WIC EBT system to retrieve information from the WIC MIS. All benefit additions, voids and purges may be retrieved using this function. The retention period for benefit data shall be defined by bilateral agreement.

The following table lists the data elements sent for the Get Benefit Maintenance History function:

Data element name	Condition	Usage notes
Card number	C	Mandatory if <i>WIC MIS account ID</i> not present
Date, end request	M	If not present, default to all dates
Date, start request	M	If not present, default to all dates
Type code	O	Used to request specific types of maintenance (Add, Void, Purged), see Appendix B.7 for values
WIC MIS account ID	C	Mandatory if <i>Card number</i> not present

The following data elements are returned for the Get Benefit Maintenance History function:

Data element name	Condition	Usage notes
Card number	O	Provided if a specific card was designated when benefits were added or voided
WIC MIS account ID	M	
The following data is repeated for each <i>WIC MIS account ID</i> and/or <i>Card number</i> :		
Benefit issuance ID	O	
Clinic ID	C	Mandatory if transaction originated from a clinic
Date and time, host	M	
Date, begin benefit	M	
Date, business	M	
Date, end benefit	M	
Initiating user ID	C	Mandatory if transaction originated from a clinic
Local agency ID	C	Mandatory if transaction originated from a local agency
The following data elements will be repeated for each <i>Benefit issuance ID</i> or date range:		
Benefit quantity	O	
Category code	M	
Category long description	O	
Sub-Category code	M	
Sub-Category long description	O	
Type code	M	Indicates the original transaction <i>Type code</i> (Issuance, Void, Hold) used for the benefit maintenance being reported; See Appendix B.7 for values

The following table lists the processing rules for the Get Benefit Maintenance History function:

Rule ID	Description
6.2.3.1	Validate that the <i>WIC MIS account ID</i> exists and is active.

Rule ID	Description
6.2.3.2	Validate that the EBA exists and is active.
6.2.3.3	If <i>WIC MIS account ID</i> is sent, return all benefit maintenance history for the household.
6.2.3.4	If <i>Card number</i> is sent, return all benefit maintenance history for the card.
6.2.3.5	If identified by the EBT System when added or voided, <i>Type code</i> may be used to indicate future benefits.

6.2.4 GET BENEFIT REDEMPTION HISTORY

The Get Benefit Redemption History function is a required function that uses a message based system interface to retrieve benefit redemption data for a particular EBA. This function allows the WIC MIS to retrieve from the WIC EBT system the benefit redemption history for a given period and a specific transaction type for the EBA and display it via the WIC MIS. Only transactions where redemption was attempted or completed (including those adjusted) are reported.

The following table lists the data elements sent for the Get Benefit Redemption History function:

Data element name	Condition	Usage notes
Card number	C	Mandatory if <i>WIC MIS account ID</i> not present
Date, end request	M	
Date, start request	M	
WIC MIS account ID	C	Mandatory if <i>Card number</i> not present
WIC Vendor ID	O	If provided, only transactions for the specified WIC vendor are retrieved
Type code	C	Mandatory if request is for specific transaction types (Purchase, Void, Expunged/expired, etc.); see Appendix B.7 for values

The following data elements are returned for the Get Benefit Redemption History function:

Data element name	Condition	Usage notes
Acquiring institution ID code	O	Identifies entity that obtained the transaction from the WIC Vendor
Amount, discount	M	
Amount, paid	M	
Amount, total adjustments	M	Includes adjustments to the transaction for NTE price or other adjustments.

Data element name	Condition	Usage notes
Amount, transaction	M	Original requested amount
Card Acceptor identification code	O	
Card Acceptor terminal identification code	M	
Card number	M	
Clinic ID	C	Mandatory if present in original transaction
Date and time, host	M	
Date and time, local transaction	M	
Date, business	M	
Date, settlement	M	As recorded by the EBT system
Forwarding institution ID code	O	Identifies entity that submitted the transaction for payment
Initiating user ID	C	Mandatory for adjustments if <i>Clinic ID</i> of original transaction present
Local agency ID	C	Mandatory if present in original transaction
Systems trace audit number	M	Mandatory for WIC Online EBT transactions to identify the transaction being reported
Transaction reason code	C	Mandatory if <i>Type code</i> is not an approved purchase. Value is the action code (bit 39) for WIC Online EBT and the message reason code from claim file “D4 – detail record” for WIC Smart Card EBT; see Technical Implementation Guide for corresponding values
Type code	M	Identifies the transaction type (Purchase, Void, Adjustment, etc.); see Appendix B.7 for values
WIC MIS account ID	M	
WIC MIS WIC Vendor ID	M	
WIC Vendor peer group ID	M	
Workstation ID	C	Mandatory if <i>Clinic ID</i> of original transaction present
The following data elements will be repeated for each food item in the purchase:		
Amount, item discount	O	
Amount, paid	M	
Benefit issuance ID	O	Original value from the benefits issued at the <i>WIC MIS account ID</i> level
Category code	M	The <i>Category code</i> used for redemption, which may differ from that assigned
Category long description	O	

Data element name	Condition	Usage notes
Date, begin benefit	M	
Date, end benefit	M	
Item description	O	
Item price	M	After any adjustments are applied
Line item ID	C	Mandatory when a single food item requires multiple reporting records to account for applying units across Sub-Categories or Benefit IDs. May be the original <i>Record sequence number</i> for the item from the WIC auto-reconciliation addenda record 2 (E2).
Original category code	CE	Mandatory if <i>Sub-Category code</i> other than that requested is used for redemption
Original item price	O	The requested item price before any adjustments
Original purchase quantity	M	The requested quantity
Original sub-category code	C	Mandatory if <i>Sub-Category code</i> other than that requested is used for redemption
Package size	O	The size of the contents of the package quantified in the standard benefit units of measure
Purchase quantity	M	The approved quantity
Sub-Category code	M	The <i>Sub-Category code</i> used for redemption, which may differ from that assigned
Sub-Category long description	O	
Unit of measure abbreviation	M	
Unit of measure	O	
Units	M	the number of units of benefit of this item redeemed
UPC/PLU data	M	

The following table lists the processing rules for the Get Benefit Redemption History function:

Rule ID	Description
6.2.4.1	Validate that the <i>WIC MIS account ID</i> exists and is active.
6.2.4.2	Validate that the EBA exists and is active.
6.2.4.3	IF <i>WIC MIS account ID</i> is sent, return all benefit redemption history for the Household.
6.2.4.4	If <i>Card number</i> is sent, return all benefit redemption history for the card.

Rule ID	Description
6.2.4.5	Data for each food item may be repeated for transactions that span multiple Benefit ID's or where redemption straddles a specific <i>Sub-Category code</i> and the Broadband <i>Sub-Category code</i> ("000")

6.3 CARDHOLDER/CARD MAINTENANCE

The Cardholder/Card Maintenance functional area comprises functions for maintaining WIC Cardholders and their cards in the WIC EBT System. WIC Cardholders and cards are required to access WIC EBT benefits associated with an EBA in the WIC EBT System.

A WIC Card is issued to a WIC Cardholder. The WIC Cardholder may be the WIC Participant, i.e., the person receiving the benefit, or a proxy such as a parent or caretaker for a child. The WIC Card may contain benefits (WIC Smart Card EBT) or may be linked to benefits (WIC Online EBT) for one or more WIC Participants identified by a *WIC MIS account ID*. A *WIC MIS account ID* may include one or more WIC Participants however a single card is provided to avoid confusion when redeeming benefits.

The following table lists the Cardholder/Card Maintenance functions and the implementation requirement, system interface type and originator of the function for each function.

Function	Implementation requirement	System interface type	Originator of function
Add Cardholder/Card	Required	Message based	Either
Add or Update PIN	Optional	Message based	Either
Get Cardholders/Cards	Required	Message based	Either
Update Card	Required	Message based	Either
Report Card Updates	Optional	Batch based	WIC EBT system
Get Card History	Required	Message based	Either
Generate Hot Card List	Optional	Message based	WIC MIS

All of the Cardholder/Card Maintenance functions which use a message based system interface shall be recorded as transactions and made available for retrieval or reporting.

While some functions are shown as being originated by either the WIC EBT system or the WIC MIS, in practice these functions are originated by the WIC MIS and only used by the WIC EBT system if it is providing administrative support to the WIC State Agency.

6.3.1 ADD CARDHOLDER/CARD

The Add Cardholder/Card function is a required function that uses a message based system interface to create a WIC Cardholder and an associated *Card number*.

The following table lists the data elements sent for the Add Cardholder/Card function:

Data element name	Condition	Usage notes
Address, cardholder mailing	O	
Card number	M	
Date of birth, cardholder	O	
Gender	O	
Language code	O	See Appendix B.4 for values
Name, cardholder	M	
Phone number, cardholder	O	
Reason code	O	Default is “Issued”; see Appendix B.5 for values
Type code	M	Cardholder type (Primary, Secondary, Proxy), see Appendix B.7 for values
WIC MIS account ID	M	

The following data elements are returned for the Add Cardholder/Card function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values.

The following table lists the processing rules for the Add Cardholder/Card function:

Rule ID	Description
6.3.1.1	Validate that the <i>WIC MIS account ID</i> exists and is active.
6.3.1.2	(WIC Online EBT Only) If the cardholder <i>Type code</i> is “Primary”, then the WIC EBT System shall validate that there is not already an active primary cardholder associated with the given household.
6.3.1.3	(WIC Online EBT Only) If the cardholder <i>Type code</i> is “Secondary”, then the WIC EBT System shall validate that there is already a primary cardholder associated with the household.
6.3.1.4	(WIC Online EBT Only) If the cardholder <i>Type code</i> is “Secondary”, then the WIC EBT System shall validate that the addition of the new cardholder will not exceed the maximum number of allowed cardholders per household.
6.3.1.5	(WIC Smart Card EBT only) the cardholder <i>Type code</i> shall only be “Primary”.
6.3.1.6	If all validations are passed, then the WIC EBT System shall create a new cardholder record and associate the cardholder with the given card and household.

6.3.2 ADD OR UPDATE PIN

The Add or Update PIN function is an optional function that uses a message based system interface to associate a PIN with the cardholder of the given card for WIC Online EBT PIN verification. In WIC Smart Card EBT this function does not apply as the PIN is chosen by the cardholder and validated at the POS.

The following table lists the data elements sent for the Add or Update PIN function:

Data element name	Condition	Usage notes
Action code	M	Add, Update, see Appendix B.1 for values
Card number	M	
PIN, encrypted	M	May require additional data elements as defined by bilateral agreement depending on encryption methodology used

The following data elements are returned for the Add or Update PIN function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values.

The following table lists the processing rules for the Add or Update PIN function:

Rule ID	Description
6.3.2.1	Validate that the <i>Card number</i> is active and associated with a valid EBA.
6.3.2.2	Validate that the <i>PIN, encrypted</i> is valid.
6.3.2.3	If the <i>PIN, encrypted</i> is supplied and is valid then the WIC EBT System Processor shall translate the <i>PIN, encrypted</i> into a new <i>PIN, encrypted</i> that is suitable for internal database storage.
6.3.2.4	The PIN will be effective upon successful processing of the request by the WIC EBT system.

6.3.3 GET CARDHOLDERS/CARDS

The Get Cardholders/Cards function is a required function that uses a message based system interface to get a list of cardholders and cards. It is designed to provide maximum flexibility to the WIC MIS and to support the varying methods that different systems may use to search for cards/cardholders. For those implementations where the WIC EBT system is the database of record for cards, this function allows the WIC MIS to access the WIC EBT system, obtain card and cardholder data associated with an EBA and display that data via the WIC MIS user interface.

The following table lists the data elements sent for the Get Cardholders/Cards function:

Data element name	Condition	Usage notes
At least one of the optional data elements shown shall be provided to identify the record(s) to be retrieved		
Address, cardholder mailing	O	If used, note that the formatting of address information may result in mismatches.
Card number	O	
Date of birth, cardholder	O	
Date, end request	M	Defaults to the current date
Date, start request	M	Defaults to the current date
Name, cardholder	O	
Status code	C	May only be used with an optional data element to request a card in a specific status (Lost, Stolen, Valid, Activated, Deactivated, etc.); see Appendix B.6 for values.
Type code	C	May only be used with an optional data element to request a specific cardholder type (Primary, Secondary, Proxy); see Appendix B.7 for values
WIC MIS account ID	O	

A list of the following data elements are returned for the Get Cardholders/Cards function:

Data element name	Condition	Usage notes
Address, cardholder mailing	O	
Card number	M	
Date of birth, cardholder	O	
Gender	O	
Language code	O	See Appendix B.4 for values.
Name, cardholder	M	
Phone number, cardholder	O	
Type code	M	Cardholder type (Primary, Secondary, and Proxy), see Appendix B.7 for a list of values.
WIC MIS account ID	M	
The following data elements are repeated for each action being reported:		
Date, effective	M	
Reason code	M	Original <i>Reason code</i> (Issued, Lost, Returned, etc.) sent with the action; see Appendix B.5 for a list of values.
Status code	M	Activated, Valid, etc.; see Appendix B.6 for a list of values.

The following table lists the processing rules for the Get Cardholders/Cards function:

Rule ID	Description
6.3.3.1	Validate that the <i>Card number</i> or card retrieved is associated with a valid EBA.
6.3.3.2	Validate that the <i>Date, start request</i> to <i>Date, end request</i> timeframe is not greater than 3 years.

6.3.4 UPDATE CARD/CARDHOLDER

The Update Card function is a required function that uses a message based system interface to update the status and information on a WIC card or cardholder. It is used by either the WIC EBT system or the WIC MIS to advise the other that there has been a change in the card or cardholder information. If the card status is changed because it is reported lost or stolen, a WIC Smart Card EBT system shall add the card to the Hot Card List (HCL) that is provided to WIC Vendors and the card shall not be reactivated. The WIC Online EBT system maintains the card status on the EBA linked to the card.

If a cardholder does not know the *Card number* of the card that they are reporting as lost or stolen, the Get Cardholders/Cards or Get Cardholders/Cards by Household function may be used to retrieve the *Card number*.

The following table lists the data elements sent for the Update Card function:

Data element name	Condition	Usage notes
Action code	M	Activate, Deactivate, etc., see Appendix B.1 for values
Address, cardholder mailing	O	
Card number	M	
Card number, replacement	C	Mandatory if replacing card
Date, effective	M	Defaults to the current date
Date of birth, cardholder	O	
Gender	O	
Language code	O	See Appendix B.4 for values
Name, cardholder	O	
Phone number, cardholder	O	
Reason code	M	See Appendix B.5 for values
Status code	C	Mandatory if changing the status of the card. If a replacement, status of the card being replaced, e.g. Lost, Stolen, see Appendix B.6 for values

Data element name	Condition	Usage notes
Type code	C	Mandatory if changing the Cardholder type (Primary, Secondary, Proxy), see Appendix B.7 for values
WIC MIS account ID	O	

The following data elements are returned for the Update Card function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values.

The following table lists the processing rules for the Update Card function:

Rule ID	Description
6.3.4.1	The card status is changed to the value in <i>Status code</i> , if present. If deactivated, the card will no longer be usable for transactions.
6.3.4.2	Optional data elements are updated with the information provided.
6.3.4.3	Validate that card is active and assigned.
6.3.4.4	Validate the identity of the individual reporting the card.
6.3.4.5	Validate that the <i>Card number</i> exists and has not been previously issued.
6.3.4.6	If the cardholder currently has an active card, then the existing active card is deactivated.
6.3.4.7	(WIC Online EBT only) Since the PIN is associated with the cardholder, the PIN is unchanged for the new replacement card. Note that the PIN may still be changed by invoking the Add or Update PIN function separately. (WIC Smart Card EBT only) The PIN is selected by the WIC cardholder.

6.3.5 REPORT CARD UPDATES

The Report Card Updates function is an optional function that uses a batch system interface to allow the WIC MIS to update its records to reflect any changes made via the WIC EBT system. The Report Card Updates function is required if a WIC State Agency chooses to maintain card status on the WIC MIS and also allows changes to be made to card status via the WIC EBT system (e.g., as a result of a call to the toll-free help desk number). The WIC EBT system shall provide the WIC MIS with any updates that have occurred within a given period. The WIC EBT system shall not change the *Type code* of the card and may be restricted from changing other card information at the WIC State Agency's option.

The batch name is WIC EBT Card Updates file.

Note: For WIC Smart Card EBT, the WIC State Agency shall provide the Hot Card List batch file to the WIC EBT system. The specifications for the Hot Card List can be found in the WIC EBT Technical Implementation Guidelines (TIG) document.

The following table lists the data elements in the WIC EBT Card Updates file for the Report Card Updates function.

Data element name	Condition	Usage notes
Action code	M	<i>Action code</i> indicated in original update record (Activate, Deactivate, etc.) See Appendix B.1 for values
Address, cardholder mailing	O	
Card number	M	
Card number, replacement	C	Mandatory when card is being replaced
Date, effective	M	
Date and time, local transaction	M	
Date of birth, cardholder	O	
Gender	O	
Language code	O	See Appendix B.4 for values
Name, cardholder	O	
Phone number, cardholder	O	
Reason code	O	<i>Reason code</i> sent with the action indicated, see Appendix B.5 for values
Status code	O	Resulting <i>Status code</i> from the action indicated, see Appendix B.6 for values
WIC MIS account ID	M	

The following table lists the processing rules for the Report Card Updates function:

Rule ID	Description
6.3.5.1	Validate that the <i>Card number</i> exists.

6.3.6 GET CARD HISTORY

The Get Card History function is a required function that uses a message based system interface to retrieve the history of the card, i.e., creation, status changes, updates. The request may be filtered by supplying one or more of the optional data elements in the request.

The following table lists the data elements for the Get Card History function:

Data element name	Condition	Usage notes
Card number	M	
Date, end request	O	
Date, start request	O	
Type code	O	Cardholder type (Primary, Secondary, Proxy), see Appendix B.7 for values
WIC MIS account ID	O	

The following data elements are returned for the Get Card History function for each action performed:

Data element name	Condition	Usage notes
Action code	M	<i>Action code</i> indicated in original action being reported (Activate, Deactivate, etc.) See Appendix B.1 for values
Card number	M	
Card number, replacement	O	
Date and time, local transaction	M	
Date, effective	M	
Name, cardholder	M	
Reason code	M	<i>Reason code</i> sent with the action indicated, see Appendix B.5 for values
Status code	M	Resulting <i>Status code</i> from the action indicated, see Appendix B.6 for values
Type code	M	Resulting Cardholder <i>Type code</i> (Primary, Secondary, Proxy) from the action indicated, see Appendix B.7 for values
WIC MIS account ID	M	

The following table lists the processing rules for the Get Card History function:

Rule ID	Description
6.3.6.1	Validate that the <i>Card number</i> exists and is associated with a valid EBA.
6.3.6.2	Validate that the <i>Date, start request</i> to <i>Date, end request</i> timeframe is not greater than 3 years.

6.3.7 GENERATE HOT CARD LIST

The Generate Hot Card List function is an optional function that uses a message based system interface to initiate the generation of the Hot Card List. See 8.4 Error handling for rules on requesting files.

The following table lists the data elements for the Generate Hot Card List function:

Data element name	Condition	Usage notes
File name	M	

The following data elements are returned for the Generate Hot Card List function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values

The following table lists the processing rules for the Generate Hot Card List function:

Rule ID	Description
6.3.7.1	Validate that the requesting party has authority to initiate request.
6.3.7.2	A file shall be generated in alignment with the scheduled retrieval of the file by WIC Vendors.

6.4 WIC VENDOR MAINTENANCE

The WIC Vendor Maintenance functional area provides functions for maintaining WIC Vendor information, including banking information that is needed by the WIC EBT System.

The following table lists the WIC Vendor Maintenance functions and the implementation requirement, system interface type, and originator of function for each function.

WIC Vendor Maintenance functions	Implementation requirement	System interface type	Originator of function
Add WIC Vendor	Required	Either	WIC MIS
Update WIC Vendor Information	Required	Either	WIC MIS

WIC Vendor Maintenance functions	Implementation requirement	System interface type	Originator of function
Add or Update WIC Vendor Hierarchy Information	Optional	Either	WIC EBT system
Update WIC Vendor Status	Optional	Either	WIC EBT system
Update WIC Vendor Banking Information	Optional	Message based	Either

6.4.1 ADD WIC VENDOR

The Add WIC Vendor function is a required function that uses a message or batch based system interface to establish WIC Vendor information in the WIC EBT System.

The batch name is WIC Vendor File.

The following table lists the data elements sent for the Add WIC Vendor function and in the WIC Vendor File for the Add WIC Vendor function:

Data element name	Condition	Usage notes
ABA routing transit number	O	
Above fifty percent vendor	M	
ACH settlement time	O	
Action code	M	Add, see Appendix B.1 for values
Address, WIC Vendor mailing	M	
Address, WIC Vendor physical	M	
Amount, total food sales	O	
Bank account number	O	
Bank name	O	
Business name, WIC Vendor	M	
Phone number, WIC Vendor contact	M	
Corporation ID	O	
Date, effective	M	
Direct connect auto-recon	O	
Direct connect flag	O	
Email, WIC Vendor contact	O	
FNS number	O	
Local agency ID	O	Agency contracting with WIC Vendor

Data element name	Condition	Usage notes
Name, WIC Vendor contact	M	
Phone number, alternate WIC Vendor contact	O	
Phone number, WIC vendor contact	O	
Status code	M	Indicates the initial status for the vendor (Activated, On hold); see Appendix B.6 for values
Type code	M	WIC vendor type (Chain, Independent grocer, etc.), see Appendix B.7 for values
WIC MIS WIC Vendor ID	M	
WIC Vendor peer group ID	M	
WIC Vendor tax ID	O	

The following data elements are returned for the Add WIC Vendor function when using a message based system interface:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values.

The following describes the processing rules associated with the Add WIC Vendor function:

Rule ID	Description
6.4.1.1	Validate that <i>WIC MIS WIC Vendor ID</i> does not already exist for the calling system.
6.4.1.2	Appropriate measures shall be applied to ensure that the security of banking data is maintained.

6.4.2 UPDATE WIC VENDOR

The Update WIC Vendor function is a required function that uses a message or batch system interface to modify WIC Vendor information in the WIC EBT System. It is not used to change the *Status code* for the WIC Vendor.

The batch name is WIC Vendor Update File.

The following table lists the data elements sent for the Update WIC Vendor function and in the WIC Vendor Update File for the WIC Vendor Update function:

Data element name	Condition	Usage notes
ABA routing transit number	O	
Above fifty percent vendor	O	
ACH settlement time	O	
Action code	M	Update, Delete, Hold, etc., see Appendix B.1 for values
Address, WIC Vendor mailing	O	
Address, WIC vendor physical	O	
Amount, total food sales	O	
Bank account number	O	
Bank name	O	
Business name, WIC Vendor	O	
Corporation ID	O	
Date, effective	M	
Direct connect auto-recon	O	
Direct connect flag	O	
Email, WIC Vendor contact	O	
FNS number	O	
Local agency ID	O	Agency contracting with WIC Vendor
Name, WIC Vendor contact	O	
Phone number, alternate WIC Vendor contact	O	
Phone number, WIC vendor contact	O	
Reason code	M	Default is “Vendor eligible to be paid”, see Appendix B.5 for all values
Type code	O	WIC Vendor type (Chain, Independent grocer, etc.), see Appendix B.7 for values
WIC MIS WIC Vendor ID	M	
WIC Vendor peer group ID	O	
WIC Vendor tax ID	O	

The following data elements are returned for the Update WIC Vendor function when using a message based system interface:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values.
Status code	O	Indicates result, see Appendix B.6 for values.

The following describes the processing rules associated with the Update WIC Vendor function:

Rule ID	Description
6.4.2.1	Validate that <i>WIC MIS WIC Vendor ID</i> already exists for the calling system.
6.4.2.2	Appropriate measures shall be applied to ensure that the security of banking data is maintained.
6.4.2.3	At least one of the optional data elements shall be provided in each request.

6.4.3 ADD OR UPDATE WIC VENDOR HIERARCHY INFORMATION

The Add or Update WIC Vendor Hierarchy Information function is an optional function that uses a message or batch system interface to create and update the WIC EBT system's WIC Vendor corporate levels of information. Payments to a WIC Vendor may be consolidated at the different hierarchy levels.

The batch name is WIC Vendor Corporate Information File.

The following table lists the data elements sent for the Add or Update WIC Vendor Hierarchy Information function and in the WIC Vendor Corporate Information File for the Add or Update WIC Vendor Corporate Information function:

Data element name	Condition	Usage notes
ABA routing transit number	O	
Action code	M	Add or Update, see Appendix B.1 for values
Address, corporation mailing	M	
Bank account number	O	FNS recommends this data element be encrypted
Bank name	O	
Business name, corporation	M	
Corporation ID	M	
Date, effective	M	
Email, corporation contact	O	
Hierarchy code	M	Default is "no hierarchy"; see Appendix B.3 for values

Data element name	Condition	Usage notes
Name, corporation contact	M	
Phone number, alternate corporation contact	O	
Phone number, corporation contact	M	
Type code	M	WIC Vendor type (Chain, Independent grocer, etc.), see Appendix B.7 for values

The following table lists the processing rules for the Add or Update WIC Vendor Hierarchy information function:

Rule ID	Description
6.4.3.1	Appropriate measures shall be applied to ensure that the security of banking data is maintained.
6.4.3.2	If <i>Action code</i> indicates an update, validate that the Corporate ID exists and is unique.

6.4.4 UPDATE WIC VENDOR STATUS

The Update WIC Vendor Status function is an optional function that uses a message or batch system interface to set the new status of the WIC Vendor. The WIC Vendor status is assigned based on the *Reason code* provided as follows:

Reason for status update	Status assigned
Vendor not WIC EBT certified and functional	On hold or Deactivated
Vendor WIC EBT certified and functional	Activated or Reactivated
Vendor WIC EBT certified only	On hold
Vendor WIC EBT functional only	On hold
Vendor ineligible for reactivation	Deactivated
Vendor eligible to be paid	Activated or Reactivated
Vendor payment withheld	On hold

The batch name is WIC Vendor Status File.

The following table lists the data elements sent for the Update WIC Vendor Status and in the WIC Vendor Status File for the Update WIC Vendor Status function:

Data element name	Condition	Usage notes
Action code	M	Update, Hold, Deactivate, Reactivate, see Appendix B.1 for values
Date, effective	M	
Reason code	M	See Appendix B.5 for values
Status code	M	New status code (Activated, On hold), see Appendix B.6 for values
WIC MIS WIC Vendor ID	M	

The following table lists the processing rules for the Update WIC Vendor Status function:

Rule ID	Description
6.4.4.1	Validate that the <i>WIC MIS WIC Vendor ID</i> already exists and is active.
6.4.4.2	The WIC EBT System shall update the status associated with the WIC Vendor to indicate that new status. Note that the WIC Vendor record is not deleted from the WIC EBT System if it is no longer active.
6.4.4.3	If the <i>Date, effective</i> is not present the WIC EBT System shall use the current date.
6.4.4.4	The WIC EBT System shall not accept transactions from a WIC Vendor if it is on hold or once it has been deactivated.

6.4.5 UPDATE WIC VENDOR BANKING INFORMATION

The Update WIC Vendor Banking Information function is an optional function that uses a message or batch based system interface to add, change or delete banking information for a WIC Vendor in the WIC EBT system. Either the WIC MIS or the WIC EBT system may be the database of record for this information or it may reside in another system of the WIC State Agency.

The following table lists the data elements sent for the Update WIC Vendor Banking Information function:

Data element name	Condition	Usage notes
ABA routing transit number	M	
ACH settlement time	O	
Action code	M	Update, see Appendix B.1 for values
Bank name	O	
Bank account number	M	
Date, effective	M	

Data element name	Condition	Usage notes
Status code	O	<i>Status code</i> of the banking information (Activated, Deactivated); see Appendix B.6 for values
WIC MIS WIC Vendor	M	
WIC Vendor tax ID	C	Mandatory if required by the WIC State Agency compliance requirements

The following table lists the processing rules for the Update WIC Vendor Banking Information function:

Rule ID	Description
6.4.5.1	Validate that the <i>WIC MIS WIC Vendor ID</i> already exists.
6.4.5.2	The WIC EBT System shall update the banking information associated with the WIC Vendor.
6.4.5.3	Appropriate measures shall be applied to ensure that the security of banking data is maintained.
6.4.5.4	If <i>Date, effective</i> is not present the WIC EBT system shall assume the current date.

6.5 WIC FOOD MAINTENANCE

The WIC Food Maintenance functional area includes functions for creating and updating the list of food categories and sub-categories used by the WIC State Agency, creating and maintaining the list of *UPC/PLU data* for food items and creating and maintaining the *NTE price* for a food item.

The National Universal Product Code (NUPC) database provides the standard list of food categories, subcategories and common UPCs and PLUs maintained by FNS. A WIC State Agency shall utilize the categories, sub-categories and UPCs and PLUs from the NUPC database to create and maintain the WIC State Agency's Authorized Product List (APL). See Section 8 for further explanation.

The following table lists the WIC Food Maintenance functions and the implementation requirement, system interface type and originator of function for each function.

WIC Food Maintenance functions	Implementation requirement	System interface type	Originator of function
Get Category information	Optional	Message based	Either
Get Sub-Category information	Optional	Message based	Either

WIC Food Maintenance functions	Implementation requirement	System interface type	Originator of function
Add or Update Category/Sub-Category information	Required	Batch based	Either
Add or Update UPC/PLU information	Required	Batch based	Either
Get UPC/PLU information	Required	Message based	Either
Generate APL file	Optional	Message based	Either

6.5.1 GET CATEGORY INFORMATION

The Get Category Information function is an optional function that uses a message based system interface to provide the food category information from the system maintaining the interface to the NUPC database.

No additional data elements beyond the common data elements for message based system interfaces are required for the Get Category Information function.

The following data elements are returned for the Get Category Information function:

Data element name	Condition	Usage notes
Category code	M	
Category long description	M	
Category short description	M	
Date, begin category	M	
Date, end category	M	

The following table lists the processing rules for the Get Category Information function:

Rule ID	Description
6.5.1.1	If <i>Date, end category</i> was not provided when the <i>Category code</i> was added or updated, it is defaulted to zeroes.

6.5.2 GET SUB-CATEGORY INFORMATION

The Get Sub-Category Information function is an optional function that uses a message based system interface to provide the food Sub-Category information from the system maintaining the interface to the NUPC database. A batch of messages may be returned providing all of the sub-categories on file.

No additional data elements beyond the common data elements for message based system interfaces are required for the Get Sub-Category Information function.

The following data elements are returned for the Get Sub-Category Information function:

Data element name	Condition	Usage notes
Benefit unit description	M	Only first 6 characters are significant
Category code	M	
Sub-Category code	M	
Sub-Category long description	M	
Sub-Category short description	M	

The following table lists the processing rules for the Get Sub-Category Information function:

Rule ID	Description
6.5.2.1	<i>Benefit unit description</i> shall use the values defined in the Technical Implementation Guide.

6.5.3 ADD OR UPDATE CATEGORY/SUB-CATEGORY INFORMATION

The Add or Update Category/Sub-Category Information function is a required function that uses a batch system interface to provide updates to the Category and Sub-Category information from the system maintaining the interface to the NUPC database.

The batch name is WIC Category Sub-Category file.

The following table lists the data elements in the WIC Category Sub-Category file for the Add or Update Category/Sub-Category Information function:

Data element name	Condition	Usage notes
Action code	M	Add or Update; see Appendix B.1 for values
Benefit unit description	M	Only first 6 characters are significant
Category code	M	
Category long description	O	
Category short description	O	
Date, effective	C	Mandatory if not effective immediately
Sub-Category code	M	
Sub-Category long description	O	
Sub-Category short description	O	

The following table lists the processing rules for the Add or Update Category/Sub-Category Information function:

Rule ID	Description
6.5.3.1	If <i>Date, effective</i> is not present then the WIC EBT system processor shall assume the current date.
6.5.3.2	<i>Benefit unit description</i> shall use the values defined in the Technical Implementation Guide.

6.5.4 ADD OR UPDATE UPC/PLU INFORMATION

The Add or Update UPC/PLU Information function is a required function that uses a batch system interface to provide updates to the UPC/PLU information from the system maintaining the WIC State Agency APL file.

The batch name is the WIC UPC/PLU file. This file differs from the Authorized Product List (APL) File provided to WIC Vendors as it contains WIC Vendor peer group data.

The following table lists the data elements in the WIC UPC/PLU file for the Add or Update UPC/PLU information function:

Data element name	Condition	Usage notes
Action code	M	Add or Update, see Appendix B.1 for values
Benefit quantity	M	
Benefit unit description	O	
Category code	M	
Date, effective	M	Date for which the data in this record is to take effect and may be a future date
Date, end UPC/PLU data	C	Mandatory if the item is no longer valid as of the specified date; may be a future date
Item description	M	
Manual voucher indicator	O	
Number of WIC Vendor peer groups	M	Identifies how many <i>WIC Vendor peer group IDs</i> are included in the repeating section below
Package size	O	
Price type	M	
Purchase indicator	M	

Data element name	Condition	Usage notes
Rebate flag	M	Identifies whether an item is eligible for manufacturer rebates; values are “Y” for yes, “N” for no
Sub-Category code	M	
UPC /PLU data	M	
UPC/PLU data length	M	
The following data elements are repeated for each <i>UPC/PLU data</i> data element where an <i>NTE price</i> is provided:		
NTE price	M	Default is null
WIC Vendor peer group ID	M	Default is zeroes

The following table lists the processing rules for the Add or Update UPC/PLU Information function:

Rule ID	Description
6.5.4.1	If <i>Action code</i> indicates an update, validate that <i>UPC/PLU data</i> identified already exists for the WIC State Agency.
6.5.4.2	The information provided shall be a complete replacement of the existing information for the <i>UPC/PLU data</i> identified.
6.5.4.3	<i>Date, effective</i> shall be greater than the existing <i>Date, effective</i> and greater than or equal to the current date
6.5.4.4	If <i>Action code</i> indicates to deactivate the <i>UPC/PLU data</i> identified, then the <i>Date, end UPC/PLU data</i> shall be equal to or greater than the current date
6.5.4.5	All peer group pricing data shall be included for each <i>UPC/PLU data</i> item identified.

6.5.5 GET UPC/PLU INFORMATION

The Get UPC/PLU information function is a required function that uses a message based system interface to provide the UPC/PLU information from the system maintaining the UPC/PLU information. A batch of messages may be returned providing all of the UPC/PLUs on file.

The following table lists the data elements sent for the Get UPC/PLU Information function:

Data element name	Condition	Usage notes
UPC /PLU data	M	Contains the UPC or PLU being requested; if blank all UPC/PLUs are returned.

The following data elements are returned for the Get UPC/PLU information function:

Data element name	Condition	Usage notes
Benefit quantity	M	
Benefit unit description	O	
Category code	M	
Category code long description	O	
Category code short description	O	
Date, effective	M	
Date, end category	C	Mandatory if provided when <i>Category code</i> added/updated; default is zeroes
Date, end sub-category	C	Mandatory if provided when <i>Sub-Category code</i> added/updated; default is zeroes
Date, end UPC/PLU	C	Mandatory if provided when item was added/updated; default is zeroes
Item description	M	
Manual voucher indicator	O	
Number of WIC Vendor peer groups	M	
Package size	O	
Price type	M	
Purchase indicator	M	
Rebate flag	M	
Sub-Category code	M	
Sub-Category code long description	M	
Sub-Category code short description	M	
UPC/PLU data	M	
UPC/PLU data length	M	
The following data elements are repeated for each <i>UPC/PLU data</i> data element where there is more than one <i>WIC Vendor peer group ID</i> and <i>NTE price</i> associated with the <i>UPC/PLU data</i> :		
NTE price	M	default is null
WIC Vendor peer group ID	M	default is zeroes

The following table lists the processing rules for the Get UPC/PLU information function:

Rule ID	Description
6.5.5.1	Validate that the <i>UPC/PLU data</i> identified exists and is valid (i.e., check digit verified).

6.5.6 GENERATE APL FILE

The Generate APL List function is an optional function that uses a message based system interface to initiate the generation of the APL file.

The following table lists the data elements for the Generate APL file function:

Data element name	Condition	Usage notes
File name	M	Value is “UPC/PLU Store File”

The following data elements are returned for the Generate APL file function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values

The following table lists the processing rules for the Generate APL file function:

Rule ID	Description
6.5.6.1	Validate that the requesting party has authority to initiate the request.
6.5.6.2	A file shall be generated in alignment with the scheduled retrieval of the file by WIC Vendors.

6.6 WIC BENEFIT DATA RECONCILIATION

The WIC Benefit Data Reconciliation functional area comprises functions for providing the information necessary to reconcile the issuances, voids, redemptions, expirations, updates and any redeemed but un-issued benefits, recorded by the MIS and WIC EBT Systems. Reconciliation is the process of comparing information from two or more sources to reach the same resulting totals and identifying any un-matched items. See Section 8.6.

The following table lists WIC Benefit Data Reconciliation functions and the implementation requirement, system interface type and originator of function for each function.

WIC Benefit Data Reconciliation functions	Implementation requirement	System interface type	Originator of function
Report WIC Benefit Redemptions	Required	Batch based	WIC EBT system
Report WIC Benefits Purged	Required	Batch based	WIC EBT system
Report WIC Benefit Changes	Required	Batch based	WIC EBT system
Report WIC Benefit Month Data	Optional	Batch based	WIC EBT system

6.6.1 REPORT WIC BENEFIT REDEMPTIONS

The Report WIC Benefit Redemptions function is a required function that uses a batch system interface to provide a detailed record of all benefit redemption activity on a daily basis from the WIC EBT system. A WIC MIS may receive this batch for NTE calculation and maintenance, reporting, reconciliation and program management. Redemption transactions included in this function are established via bilateral agreement between the EBT and MIS systems and at a minimum shall include approved purchase transactions.

The Report WIC Benefit Redemptions function provides information that differs from the WIC Auto-reconciliation file as follows:

- 1) Information is based on the WIC EBT system business day or timeframe specified by the WIC State Agency instead of the WIC Vendor business day.
- 2) Information is a full historical account (audit trail) of the transaction and the information (*Category code, Sub-Category code, Unit of measure, Item description, Benefit begin date and Benefit end date*) that was current and used at the time of the transaction.
- 3) *WIC Vendor peer group ID* is provided.

The batch name is WIC Benefit Redemption File.

The following table lists the data elements in the WIC Benefit Redemption File for the Report WIC Benefit Redemptions function:

Data element name	Condition	Usage notes
Acquiring institution ID code	O	Identifies entity that obtained the transaction from the WIC Vendor
Amount, discount	M	
Amount, paid	M	
Amount, total adjustments	M	
Amount, transaction	M	

Data element name	Condition	Usage notes
Card acceptor identification code	O	
Card acceptor terminal identification code	M	
Card number	M	
Clinic ID	C	Mandatory if present in original transaction
Date and time, host	M	
Date and time, local transaction	M	
Date, business	M	
Date, settlement	M	As recorded by the EBT system
Forwarding institution ID code	O	Identifies entity that submitted the transaction for payment
Initiating user ID	C	Mandatory if <i>Clinic ID</i> of original transaction present
Local agency ID	C	Mandatory if present in original transaction
Systems trace audit number	M	Identifies the original redemption transaction
Transaction reason code	C	Mandatory if <i>Type code</i> is not an approved purchase. Value is the action code (bit 39) for WIC Online EBT and the message reason code from claim file “D4 – detail record” for WIC Smart Card EBT; see Technical Implementation Guide for corresponding values
Type code	M	Indicates transaction type (Purchase, Void, Adjustment, etc); See Appendix B.7 for values
Unique EBT transaction identifier	O	Identifies the original Unique EBT transaction identifier associated with the transaction being reported
WIC MIS account ID	M	
WIC MIS WIC Vendor ID	M	
WIC Vendor peer group ID	M	
Work Station ID	C	Mandatory if <i>Clinic ID</i> of original transaction present
The following data elements will be repeated for each food item purchased.		
Amount, item discount	O	
Amount, paid	M	
Benefit issuance ID	O	Original value from the benefits issued at the <i>WIC MIS account ID</i> level
Category code	M	
Category long description	O	

Data element name	Condition	Usage notes
Date, begin benefit	M	
Date, end benefit	M	
Item description	M	
Item price	M	
Line item ID	C	Mandatory when a single food item in a purchase requires multiple reporting records to account for applying units across Sub-Categories or Benefit IDs.
Original category code	C	Mandatory if <i>Category code</i> other than that requested is used for redemption
Original item price	O	
Original purchase quantity	M	Requested purchase quantity
Original sub-category code	C	Mandatory if <i>Sub-Category code</i> other than that requested is used for redemption
Package size	O	The size of the contents of the package quantified in the standard benefit units of measure
Purchase quantity	M	Approved purchase quantity
Sub-Category code	M	
Sub-Category long description	O	
Unit of measure abbreviation	M	
Unit of measure	O	
Units	M	Number of units of benefit of this item redeemed
UPC/PLU data	M	
UPC/PLU data length	O	

The following table lists the processing rules for the Report WIC Benefit Redemptions function:

Rule ID	Description
6.6.1.1	Validate that the <i>WIC MIS account ID</i> exists and is active.
6.6.1.2	Reversals shall be reported as two separate transactions; the original transaction and the subsequent reversal.
6.6.1.3	Adjustments to benefits requested by the MIS and completed by the WIC EBT system on their behalf shall be reported with this function.
6.6.1.4	Transactions with discounts and coupons are reported as specified in the Technical Implementation Guide.

6.6.1.5	Transactions utilizing multiple Benefit IDs or where redemption straddles the <i>Sub-Category code</i> and Broadband <i>Sub-Category code</i> shall report details for each item redeemed.
6.6.1.6	Data for each food item may be repeated for transactions that span multiple Benefit ID's or where redemption straddles a specific <i>Sub-Category code</i> and the Broadband <i>Sub-Category code</i> ("000")

6.6.2 REPORT WIC BENEFITS PURGED

The Report WIC Benefits Purged function is a required function that uses a batch system interface to provide a detailed record of benefits purged from the WIC EBT system. A benefit is purged or expunged when the *Date, end benefit* is reached. A WIC MIS may receive this information for reporting, reconciliation and program management. All benefits purged by the WIC EBT system are included in this function. The information may be reported by *Benefit month* or daily to provide for WIC State Agencies using a rolling *Benefit month*.

The batch name is WIC Benefits Purged File.

The following table lists the data elements in the WIC Benefits Purged File for the Report WIC Benefits Purged function:

Data element name	Condition	Usage notes
Benefit issuance ID	O	Original value from the benefits issued at the <i>WIC MIS account ID</i> level
Card number	C	Mandatory if benefits maintained at the <i>Card number</i> level
Date, begin benefit	M	
Date, effective	M	
Date, end benefit	M	
WIC MIS account ID	M	
A list of the following elements are repeated for each <i>Benefit issuance ID</i> purged:		
Benefit quantity	M	
Category code	M	
Category long description	O	
Sub-Category code	M	
Sub-Category long description	O	

The following table lists the processing rules for the Report WIC Benefit Expirations function:

Rule ID	Description
6.6.2.1	Validate that the <i>WIC MIS account ID</i> exists and is active.

6.6.3 REPORT WIC BENEFIT CHANGES

The Report WIC Benefit Changes function is a required function that uses a batch system interface to create a batch that contains information for each WIC MIS initiated Add or Update Benefits transaction (issuances, updates and voids) that was accepted and approved by the WIC EBT system during the prior 24 hour period. The WIC MIS uses this information to match against its record of successful Add or Update Benefits transactions initiated by the WIC MIS during the same period.

The batch name is WIC Daily Interface Reconciliation file.

The following table lists the data elements in the WIC Daily Interface Reconciliation file for the Report WIC Benefit Changes function:

Data element name	Condition	Usage notes
Card number	O	Provided if a specific card was designated when benefits were added or updated
WIC MIS account ID	M	
The following data is repeated for each <i>WIC MIS account ID</i> and/or <i>Card number</i> :		
Benefit issuance ID	O	
Clinic ID	C	Mandatory if transaction originated from a clinic
Date and time, host	M	
Date, begin benefit	M	
Date, business	M	
Date, end benefit	M	
Initiating user ID	C	Mandatory if transaction originated from a clinic
Local agency ID	C	Mandatory if transaction originated from a local agency
The following data elements will be repeated for each <i>Benefit ID</i> reported:		
Benefit quantity	M	
Category code	M	
Category long description	O	
Sub-Category code	M	
Sub-Category long description	O	

Data element name	Condition	Usage notes
Type code	M	Indicates the original transaction <i>Type code</i> used for the benefit maintenance being reported (Issuance, Update information); See Appendix B.7 for values

The following table lists the processing rules for the Report WIC Benefit Changes function:

Rule ID	Description
6.6.3.1	Validate that the <i>WIC MIS account ID</i> exists and is active.

6.6.4 REPORT WIC BENEFIT MONTH DATA

The Report WIC Benefit Month data function is an optional function that uses a batch system interface to provide the data necessary for a final point of reconciliation of all benefit activity for a given *Benefit month* against the WIC financial accounting for that month as documented in the WIC Financial Management and Participation (FNS-798). FNS-798 reports WIC participation based on receipt of a benefit. For EBT systems, this means when the benefit is loaded to a card or posted to an account.

The batch name is WIC Benefit Month Data File.

The following table lists the data elements in the WIC Benefit Month Data File for the Report WIC Benefit Month Data function:

Data element name	Condition	Usage notes
Amounts, settled	M	
Benefit month	M	
First date to spend	M	
Last date to spend	M	
WIC MIS account ID	M	
The following data elements are repeated for each Category and Sub-Category in the household account during the <i>Benefit month</i> specified:		
Benefit quantity, expired	M	
Benefit quantity, issued	M	
Benefit quantity, redeemed	M	
Benefit quantity, voided by WIC MIS	M	
Category code	M	
Sub-Category code	M	

The following table lists the processing rules for the Report WIC Benefit Month Data function:

Rule ID	Description
6.6.4.1	Validate that the <i>WIC MIS account ID</i> exists and is active.

6.7 LOCAL AGENCY MAINTENANCE

The Local Agency Maintenance functional area comprises functions for creating and updating local agency information needed by the WIC EBT System for reporting purposes.

The following table lists the Local Agency Maintenance functions and the implementation requirements, system interface type and originator of function for each function.

Local Agency Maintenance functions	Implementation requirement	System interface type	Originator of function
Add Local Agency	Optional	Message based	WIC MIS
Update Local Agency	Optional	Message based	WIC MIS

6.7.1 ADD LOCAL AGENCY

The Add Local Agency function is an optional function that uses a message based system interface to create a local agency information record in the WIC EBT System.

The following table lists the data elements sent for the Add Local Agency function:

Data element name	Condition	Usage notes
Address, local agency	M	
Business name, local agency	M	
Date, effective	M	
Email, local agency contact	O	
Local agency ID	M	
Name, local agency contact	M	
Operating hours	O	
Phone number, local agency contact	M	
Reason code	M	Default is "New", see Appendix B.5 for values

The following data elements are returned for the Add Local Agency function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values

The following describes the processing rules for the Add Local Agency function:

Rule ID	Description
6.7.1.1	Validate that <i>Local agency ID</i> does not already exist and is active for the calling system.

6.7.2 UPDATE LOCAL AGENCY

The Update Local Agency function is an optional function that uses a message based system interface to update the local agency information record in the WIC EBT System, including activating and deactivating the local agency.

The following table lists the data elements sent for the Update Local Agency function:

Data element name	Condition	Usage notes
Action code	M	Update, Deactivate, see Appendix B.1 for values
Address, local agency	O	
Business name, local agency	O	
Date, effective	M	
Email, local agency contact	O	
Local agency ID	M	
Name, local agency contact	O	
Operating hours	O	
Phone number, local agency contact	O	
Reason code	M	Relocated, closed, see Appendix B.5 for values

The following data elements are returned for the Update Local Agency function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values

The following describes the processing rules associated for the Update Local Agency function:

Rule ID	Description
6.7.2.1	Validate that <i>Local agency ID</i> already exists for the calling system.
6.7.2.2	The WIC EBT System shall update the local agency as indicated by the <i>Action code</i> . Note that the local agency record is not deleted from the WIC EBT System if it is deactivated.
6.7.2.3	If <i>Date, effective</i> is not present, then the WIC EBT System assumes the current date.
6.7.2.4	The WIC EBT System shall not accept transactions from a local agency once it has been deactivated and all clinics associated with the local agency will be deactivated.

6.8 CLINIC MAINTENANCE

The Clinic Maintenance functional area comprises functions for creating and updating clinic information needed by the WIC EBT System. At minimum, the WIC EBT System needs the ID's of valid clinics so that the source of transactions may be properly logged. Optionally, clinic data may be used by the WIC EBT system for reporting as well as supporting card inventory activities. This requires some basic clinic demographic information be stored in the WIC EBT System.

A clinic shall be associated with a Local Agency except for those clinics operating as mobile or disconnected clinics which may be associated with more than one Local Agency. The primary Local Agency shall be identified when adding the disconnected clinic.

The following table lists the Clinic Maintenance functions and the implementation requirement, system interface type and originator of function for each function.

Clinic Maintenance functions	Implementation requirement	System interface type	Originator of function
Add Clinic	Optional	Message based	WIC MIS
Update Clinic	Optional	Message based	WIC MIS

6.8.1 ADD CLINIC

The Add Clinic function is an optional function that uses a message based system interface to add a clinic information record in the WIC EBT System.

The following table lists the data elements sent for the Add Clinic function:

Data element name	Condition	Usage notes
Address, clinic	M	
Business name, clinic	M	
Clinic ID	M	
Date, effective	M	
Email, clinic contact	O	
Local agency ID	M	
Name, clinic contact	M	
Operation hours	O	
Phone number, clinic contact	M	
Reason code	M	New clinic, see Appendix B.5 for values

The following data elements are returned for the Add Clinic function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values

The following describes the processing rules for the Add Clinic function:

Rule ID	Description
6.8.1.1	Validate that <i>Clinic ID</i> does not already exist for the calling system.

6.8.2 UPDATE CLINIC

The Update Clinic function is an optional function that uses a message based system interface to update, activate, deactivate or change the status of the clinic record in the WIC EBT System. The WIC EBT System will not accept transactions from a clinic once it has been deactivated.

The following table lists the data elements sent for the Update Clinic function.

Data element name	Condition	Usage notes
Action code	M	Update, Deactivate, see Appendix B.1 for values
Address, clinic	O	
Business name, clinic	M	
Clinic ID	M	
Date, effective	C	Mandatory if other than current date
Email, clinic contact	O	
Name, clinic contact	O	
Operation hours	O	
Phone number, clinic contact	O	
Reason code	M	Relocated, closed, see Appendix B.5 for values

The following data elements are returned for the Update Clinic function:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values

The following describes the processing rules for the Update Clinic function:

Rule ID	Description
6.8.2.1	Validate that <i>Clinic ID</i> already exists and is active for the calling system.
6.8.2.2	The WIC EBT System shall update the clinic as indicated by the <i>Action code</i> . Note that the clinic record is not deleted from the WIC EBT System if deactivated.
6.8.2.3	If the <i>Date, effective</i> data element is not present, then the WIC EBT System assumes the current date.

6.9 FINANCIAL SETTLEMENT

The Financial Settlement functional area comprises functions for effecting financial transactions from the WIC EBT system to the WIC Vendor. The settlement process moves funds between parties to resolve payments due to or from each other. The WIC Universal Interface shall conform to the National Automated Clearing House Association (NACHA) Operating Rules and Guidelines wherever possible (see <http://www.achrulesonline.org> for detailed requirements).

The following table lists the Financial Settlement functions and the implementation requirement, system interface type and originator of function for each function.

Financial settlement functions	Implementation requirement	System Interface type	Originator of function
Request ACH payment	Optional	Message based	WIC MIS
Report ACH payments	Optional	Batch based	WIC EBT system

6.9.1 REQUEST ACH PAYMENT

The Request ACH Payment function is an optional function that uses a message or batch based system interface to allow the WIC State Agency or EBT Card Issuer Processor to make a payment or adjustment to a WIC Vendor, a WIC Vendor corporate entity or their agent that is outside the normal course of benefit redemption and settlement. This function may be used in situations where an adjustment is needed for a transaction that has already been settled. This function may also be used for payments to other WIC State Agency WIC EBT vendors such as mail-order vendors or infant formula warehouses.

This function requires that banking data be provided. This does not mean that banking data needs to be stored by the sending system for all WIC Vendors. Banking data shall be verified by the system that is the database of record for this information.

This function eliminates the need to maintain an alternate check process for these types of payments that may occur outside of daily WIC EBT settlement activities by utilizing the ACH payment capability of the WIC EBT system.

The batch name is WIC ACH Payment File.

The following table lists the data elements sent for the Request ACH Payment function and in the WIC ACH Payment File for the Report WIC Benefit function:

Data element name	Condition	Usage notes
Action code	M	Add or Issue, see Appendix B.1 for values
ABA routing transit number	M	Receiving institution bank identifier
Amount, ACH payment	M	Limited to 10 positions
Bank account number	M	Receiving institution account number
Bank Name	O	
Card acceptor identification code	O	
Corporation ID	C	Mandatory if payment at a hierarchy level other than the WIC Vendor
Date, effective	M	Default is current date. Not the same as the NACHA Effective Entry Date calculated by the EBT system

Data element name	Condition	Usage notes
Hierarchy code	M	Mandatory if payment at a hierarchy level other than the WIC Vendor, default is “no hierarchy”, see Appendix B.3 for values
Original systems trace audit number	C	Mandatory if this payment is related to a single, previous transaction
Reason code	M	ACH payment reason code (Adjustment, Payment to warehouse, etc.), see Appendix B.5 for values
Receiving institution identification code	O	Used by sender as additional identifier for entity receiving the file
WIC MIS WIC Vendor ID	M	

The following data elements are returned for the Request ACH Payment function message based system interface:

Data element name	Condition	Usage notes
Function return code	O	May be used to explicitly indicate that a message was received and the result of processing the message; see Appendix B.2 for values

The following table lists the processing rules for the Request ACH Payment function:

Rule ID	Description
6.9.1.1	If the <i>Date, effective</i> data element is not present, then the WIC EBT System assumes the current date.
6.9.1.2	Validate that the <i>WIC MIS WIC Vendor ID</i> already exists and is valid for the calling system.

6.9.2 REPORT ACH PAYMENTS

The Report ACH Payments function is an optional function that uses a batch based system interface to have the WIC EBT System report all WIC ACH payments requested by the WIC MIS and any initiated by the WIC EBT system. The WIC MIS reconciles these transactions to the ACH payments reported by the WIC State Agency’s financial institution entity.

The following table lists the data elements sent for the Report ACH Payment function:

Data element name	Condition	Usage notes
ABA routing transit number	M	Receiving institution bank identifier
ACH Trace Number	M	Uniquely identifies the item within an ACH input file
Amount, ACH payment	M	
Bank account number	M	Receiving institution account number
Bank name	O	
Card acceptor identification code	O	
Clinic ID	C	Mandatory if original transaction originated from a clinic
Date, effective	M	In report, corresponds to NACHA Effective Entry Date assigned by the EBT system.
Initiating user ID	C	Mandatory if initiated from a clinic
Local agency ID	C	Mandatory if original transaction originated from a local agency
Original systems trace audit number	C	Mandatory if this payment was related to a single, previous transaction
Reason code	M	ACH payment reason from original payment being reported, see Appendix B.5 for values
Receiving institution identification code	O	
WIC MIS WIC Vendor ID	M	

The following table lists the processing rules for the Report ACH Payment function:

Rule ID	Description
6.9.2.1	If the payment was not completed, the <i>Date, effective</i> shall be the original payment request date.

7 DISTRIBUTION OF FUNCTIONS

This document recommends the distribution of the defined functions between the WIC MIS and WIC EBT systems by specifying an originator for each function. The following criteria are used to decide where WIC EBT functions may be originated. The implementation of the function shall:

- a) promote portability between the WIC MIS and the WIC EBT system
- b) minimize the amount and frequency of data exchange
- c) minimize points of failure
- d) minimize potential data synchronization issues
- e) permit each system that generates and houses most of the data relevant to a specific functional requirement be the system that implements that function
- f) provide and maintain a seamless user experience
- g) foster competitiveness in future procurements
- h) comply with WIC federal and state laws and regulations

The WIC MIS and WIC EBT system shall work in concert to provide the functions required to deliver WIC food benefits electronically.

The following sections provide the rationale for whether the WIC MIS or WIC EBT system was identified as the originator for each function.

7.1 WIC HOUSEHOLD ACCOUNT MAINTENANCE

The WIC MIS maintains the demographic information for each household and the WIC participants in the household. For the purposes of certification, this data is used and maintained by the WIC MIS. The entry of and subsequent updates to this data are through the WIC MIS; therefore, the MIS system, as the database of record, is responsible for maintaining and transmitting this data to the EBT system. As part of this function, the WIC MIS will also initiate the creation of new WIC EBT accounts or update existing WIC EBT accounts.

7.2 WIC HOUSEHOLD BENEFIT MAINTENANCE

Food assignment and benefit issuance are functions of the MIS system in support of the WIC Participant certification process. While the functions to add and update benefits may be part of a WIC EBT system, allowing this to occur would create synchronization and reporting issues on the WIC MIS. For these reasons, the WIC MIS shall be the originator of the functions for this functional area. The WIC MIS shall transmit benefit data to the WIC EBT system. Based on the data provided by the WIC MIS, the WIC EBT system shall associate benefits to the correct WIC EBT account (and in WIC Smart Card EBT systems, load benefits to a card) and track the disposition of the benefits.

7.2.1 GET BENEFIT BALANCE / GET BENEFIT MAINTENANCE HISTORY

The WIC EBT system is responsible for processing transactions and maintaining account balance information, however, a local clinic user does not necessarily want to toggle from the WIC MIS to the WIC EBT system to view processed transactions and account balances since this could require entry of a separate user ID and password. The Get Benefit Balance and Get Benefit Maintenance History function allow the WIC MIS the ability to request the data real-time from the WIC EBT system and display the WIC EBT balance and transaction data through the WIC MIS user interface.

7.3 CARDHOLDER/CARD MAINTENANCE

For the Cardholder/Card Maintenance functional area the originator of the function may be either system.

If a WIC State Agency chooses to implement the Card Maintenance function with the WIC MIS as the originator of the function, how and where updates will be made to card status needs to be decided. In some WIC EBT implementations, a WIC EBT system may provide customer service support to cardholders including the reporting of lost, stolen, or damaged cards and mailing of replacement cards. The status updates would be made by customer service representatives through the WIC EBT system. Ultimately, any updates made through the WIC EBT system will need to be synchronized with the WIC MIS. There are always risks that the WIC MIS data may be out of date if these synchronizations are not made in a timely manner.

7.4 WIC VENDOR MAINTENANCE

Most of a WIC State Agency's MIS or vendor management systems maintain data for the WIC Vendors for the WIC State Agency. It would be redundant for this data to be entered and maintained separately by the WIC EBT system. Therefore the WIC MIS is responsible for capturing all WIC Vendor data needed by the WIC EBT system and transmitting that data in a real-time message or as part of a daily batch to the WIC EBT system.

7.4.1 UPDATE WIC VENDOR BANKING INFORMATION

Either system may maintain banking data and be the user interface for the WIC Vendor banking information.

The WIC State Agency is ultimately responsible for payment to the WIC Vendor. Either the WIC EBT system or the WIC MIS may use the bank routing and account data to initiate the settlement process. However, the choice for the originator of function for the WIC Vendor Banking Information function is dependent on a WIC State Agency's approach to implementing WIC EBT.

WIC Vendor payment may be accomplished by:

- 1) the WIC Vendor connecting directly into the WIC EBT system or WIC State Agency and having payments made directly to each WIC Vendor account, or
- 2) the WIC Vendor using a third party processors (TPPs) to route transactions and consolidated settlement and payments are made to the TPP to subsequently pay the WIC Vendor.

The WIC Vendor transaction routing environment will affect the choice of where to put this function. The entity responsible for and/or contractually obligated to the WIC Vendor for settlement should be considered.

In an in-house environment where the WIC State Agency is responsible for WIC Vendor payments and therefore for the collection and maintenance of banking data it may be more appropriate to enter and maintain banking data via the WIC MIS. In this environment, WIC State Agency staff would be recording various types of demographic data in the vendor management component of the WIC MIS. The WIC MIS would then be responsible for transmitting that data to the WIC EBT system.

When the WIC EBT system and services have been outsourced, the WIC EBT service provider is typically responsible for deploying equipment or working with direct connect WIC Vendors to process and settle transactions. Part of this responsibility includes executing agreements with these WIC Vendors related to processing and settlement. In this environment, the WIC EBT processor is responsible for collecting the banking information from the WIC Vendor; therefore, it would be more logical to enter and maintain the banking data via the WIC EBT system.

7.5 WIC FOOD MAINTENANCE

Although WIC State Agencies have not yet integrated the NUPC into their WIC EBT processes, it is the goal of FNS and legislation to make the NUPC database the starting point for Category and Sub-Category data such as additions of new categories and sub-categories and updates to existing categories and sub-categories. The NUPC shall be used as the source of this information by whichever system maintains the WIC State Agency Authorized Product List (APL).

Similar to Category and Sub-Category data, it is the goal of FNS to facilitate exchange of UPC and PLU information used by multiple WIC State Agencies as a critical source for new and updated product information. WIC State Agencies may establish and maintain their own databases for UPC and PLU information as long as they are compatible with the NUPC database. WIC State Agencies may choose to enter UPC and PLU information into another system and then upload it to the NUPC.

7.6 WIC BENEFIT DATA RECONCILIATION

The WIC Benefit Data Reconciliation functional area provides all redemption and other benefit update activity for a given period in a batch system interface. Because the WIC EBT system processes redemptions, it is the originator of these functions. WIC State Agencies and local WIC MIS users may access this data via a WIC MIS user interface if the data is stored in the WIC MIS or in an associated data

warehouse once it has been transmitted to the WIC MIS from the WIC EBT system. NTE calculation and maintenance may also use the data in the WIC Benefit Data Reconciliation file.

7.7 LOCAL AGENCY MAINTENANCE

The WIC MIS is the originator of the entry or update of information for this functional area and may choose to provide the information to the WIC EBT system for reporting by the local agency. Rather than implementing these functions in the Universal Interface, the WIC MIS may use the redemption data transmitted from the WIC EBT system to do reporting by the local agency. The *Local agency ID* reported for the participant and EBA by the WIC EBT system shall be as of the date and time of the report.

7.8 CLINIC MAINTENANCE

The WIC MIS is the originator for the entry or update of information for this functional area and may choose to provide the information to the WIC EBT system for reporting by clinic. Rather than implementing these functions in the Universal Interface, the WIC MIS may use the redemption data transmitted from the WIC EBT system to do reporting by clinic. The *Clinic ID* reported for the participant and EBA by the WIC EBT system shall be as of the date and time of the report.

7.9 FINANCIAL SETTLEMENT

The WIC EBT System is responsible for submitting the requests for payments to the WIC Vendor into the ACH system. The WIC MIS originates requests for payments outside of the normal WIC Vendor reimbursements to the WIC EBT system and the WIC EBT system provides a report of these payments.

8 IMPLEMENTATION CONSIDERATIONS

This section provides guidance on implementing the WIC EBT MIS Universal Interface.

8.1 NUPC DATABASE INFORMATION

The NUPC Database information is accessible through the WIC EBT or the WIC MIS system or both. The database is used to obtain food Category, Sub-Category and other Authorized Products List (APL) information. The status of the database and further details can be obtained from FNS by contacting the Regional EBT coordinator or via requests to wicupc@fns.usda.gov.

8.2 COST CONTAINMENT

Choosing the system to maintain and update the cost containment data depends on how the WIC State Agency maintains UPC and PLU pricing information and assigns WIC Vendors to WIC Vendor peer groups.

An initial price for a food item may be established by the WIC State Agency by gathering prices at their WIC Vendor sites and utilizing initial settlement data until sufficient prices are gathered. All approved UPC and PLU items have a shelf price that can be averaged and reset periodically - weekly, bi-weekly or monthly. Once an initial pricing process is established, updates may be maintained using settlement information available in the EBT system.

If the WIC State Agency chooses to create and maintain the Not To Exceed (NTE) values (also known as the Maximum Authorized Reimbursement (MAR)), then the WIC State Agency shall obtain transactional information from the EBT system on UPC and PLU items and their pricing for all WIC Vendors. The WIC State Agency shall then generate updated WIC Vendor peer group pricing limits and transmit this to the EBT system for NTE edits for WIC Online EBT system Financial Presentment request messages or NTE edits for daily claims submitted in WIC Smart Card EBT systems.

The NTE price can be calculated by either the MIS or EBT system and the methods used vary among WIC State Agencies. EBT systems shall accommodate the different methodology used by WIC State Agencies. The Benefit Redemption File described in Section 6.6 provides some of the data used in the calculations.

8.3 EBT AND MIS SYSTEMS COMMUNICATION

In order to establish an interface between two systems, a secure means of communication is required. This document does not mandate a particular method of securing the WIC EBT system to WIC MIS interface.

The following data elements may be exchanged in securing these interfaces.

Data element name	Condition	Usage notes
Security token	M	
Security type	M	

If desired by the WIC State Agency, a user may be given permission to log in and access real-time services and screens in the WIC EBT system.

Because there are two systems involved both with their own security functions, each is responsible for the users and roles associated with its own system. Also for this same reason, each system provides for the user interface to add, update and delete users from its own system. Providing system access is subject to the security requirements of the WIC State Agency's security systems and state regulations as well as the system developer's design security concerns.

Direct Screen Link System interfaces are interfaces where the systems exchange information to allow a clinic user that is logged on to the WIC MIS to access the WIC EBT system's user interface without having to log on separately to the WIC EBT system. Their WIC MIS user ID and password is configured to provide access to the WIC EBT user interface. This is referred to as a single sign-on (SSO) approach. Direct Screen Link system interfaces require that both the WIC MIS and the WIC EBT system have a web based user interface that uses a local browser to view data stored on the system and allows a user to perform a range of WIC EBT functions. Direct screen link system interfaces are optional and not required to be implemented by all WIC State Agencies.

8.4 ERROR HANDLING

Errors may occur in performing the functions specified in the WUMEI. The recommended error handling processes for message and file interfaces are defined in this section. The list of the error identification codes used in error handling is maintained in the Technical Implementation Guide.

8.4.1 MESSAGE ERROR HANDLING

A method of message error handling is described in the Technical Implementation Guide, Section 7.1.3 and in the X9.93 Part 1 - Messages standard in Clauses 7.1.3 and 8.6. These sections define three types of message error conditions which can also occur in the Universal Interface:

1) The message is not recognized or cannot be parsed.

If this error condition occurs, the receiving party may not respond. The message may be re-sent. In the Universal Interface, the handling of unrecognized messages varies with the system architecture used and therefore handling of these conditions is up to the individual architecture.

2) The *Message type* (function) is not supported.

If this error condition occurs, the receiving party shall respond indicating the message is not supported.

3) The message contains an error in the data content.

If this error condition occurs, the receiving party shall provide an error response message indicating the error that occurred. The receiving party may also provide details on the data in error.

8.4.2 FILE ERROR HANDLING

A method of file error handling is described in the Technical Implementation Guide, Section 10.1.4 and in X9.93 Part 2 - Files, Clause 8.4 using an Acknowledgement file. The use of the Acknowledgement file for error handling is further defined in the Technical Implementation Guide, Section 11.5 and a list of the error identification code values is found in the Technical Implementation Guide, Table A.1.

For batch system interfaces in the Universal Interface, the same file error handling process may be used for batch system interfaces. File error handling shall also conform to the processing standards noted in Section 5.2.3.

In the Universal Interface, errors in the following batch files exchanged between the WIC MIS and the WIC EBT system may be reported using the Acknowledgment file:

- 1) WIC EBT Card Updates file
- 2) WIC Vendor file
- 3) WIC Vendor Update file
- 4) WIC Vendor Corporate Information file
- 5) WIC Vendor Status file
- 6) WIC Category Sub-Category file
- 7) WIC UPC/PLU file

The following batch files only report information and therefore do not use an Acknowledgment file:

- 1) WIC Benefit Redemption file
- 2) WIC Benefits Purged file
- 3) WIC Daily Interface Reconciliation file
- 4) WIC Benefit Month Data file

8.4.3 OTHER ERROR CONDITIONS

Other errors that can occur in a message based system interface are late or no response to a request sent using a message based system interface. If either of these conditions occurs, the receiving system may perform one or more of the following actions:

- 1) Store the message in a pending status and then re-send it with no limit on the number of re-tries.
- 2) Deactivate the EBA account until the message is resolved.
- 3) Send a response indicating the transaction could not be completed.

8.5 DATA INTEGRITY

When implementing a Universal Interface consideration should be given to maintaining the integrity of data when performing functions which deactivate, reactivate or establish new accounts, households, cards, cardholders, benefits, etc. The data associated with the previous entity should be linked to the new entity to maintain the audit trail of information.

8.5.1 BENEFIT DATES

The MIS is responsible for maintaining the integrity of the *Date, begin benefit* and the *Date, end benefit* when issuing or voiding benefits to comply with the WIC State Agency benefit periods. The WIC EBT System may identify a benefit as issued or voided for a future benefit period and report future benefit issuance or voids.

8.6 RECONCILIATION

Reconciliation of benefits in the WIC EBT environment requires reconciliation to be done at the WIC EBA and WIC participant levels. As stated in the FreD:

“Reconciliation in the EBT environment involves receiving transaction data and/or reports from the EBT system and comparing benefits issued as recorded by the WIC IS to benefits redeemed and/or expired as recorded by the EBT system. WIC EBT reconciliation is done first at category/subcategory and unit level and second at dollar level for amounts paid WIC vendors. Because of benefit aggregation, redemptions typically cannot be tracked back to specific participant or benefit issuance, but only tracked at the family/household [EBA] level. Reconciliation to the participant level is accomplished through a fully auditable aggregation process that demonstrates that the family/household benefits truly reflect the benefits of all participants in that family/household.”²

The FreD further states:

² Functional Requirements Document for a Model WIC Information System, Version 2008 2.0, September 2008, page 3-93, Section 3.5.

“The State agency must account for the disposition of all food instruments as either issued or voided, and as either redeemed or unredeemed. Redeemed food instruments must be identified as validly issued, lost, stolen, expired, duplicate [not applicable to EBT benefits issued with a Benefit ID], or not matching valid enrollment and issuance records. In an EBT system, evidence of matching redeemed food instruments to valid enrollment and issuance records may be satisfied through the linking of the Primary Account Number (PAN) associated with the electronic transaction to valid enrollment and issuance records. A PAN and the associated benefit balance by food category and subcategory are matched against the household [EBA] record of food categories and subcategories issued and redeemed.”³

The benefits redeemed (and reversed) are reported with function 6.6.1 Report WIC Benefit Redemptions and those expunged are reported with function 6.6.2 Report WIC Benefits Purged. Including the *Benefit issuance ID* in these reports is optional and may be used by the MIS in reconciliation. The benefits expunged, reversed and redeemed total to the benefits issued or updated as reported in function 6.6.3 Report WIC Benefit Changes. See Section 3.5.4 Reconcile EBT Benefits in the FReD document for details of the reconciliation process to be followed using these reports. Note that the *Clinic ID* or *Local agency ID* reported for the participant and EBA by the WIC EBT system shall be as of the date and time of the report.

³ Functional Requirements Document for a Model WIC Information System, Version 2008 2.0, September 2008, page 3-100, Section 3.5.2.

APPENDIX A DATA DICTIONARY

The Data Dictionary lists the data elements identified for the all of the functions in the Universal Interface in alphabetical order. Note that data elements may be combined to create “objects” or constructed data elements containing related information, i.e., banking information, food benefit information etc.

Data element name	Description	Format	XML data type
ABA routing transit number	The number that identifies the financial institution to which a WIC Vendor is paid via ACH and conforms to the American Bankers Association standard.	n 9	xs:string
Above fifty percent (A50) vendor	A flag indicating whether or not the volume of WIC sales is above 50% of the total sales for the WIC Vendor.	a 1	xs:short
ACH settlement time	For a direct connect WIC Vendor, this is the time that the WIC EBT System uses for processing WIC Vendor activity for the purpose of computing the daily WIC Vendor settlement amount. The WIC EBT System will process transactions that occurred during the 24 hours prior to this time.	hhmmss	xs:dateTime
ACH trace number	A number that uniquely identifies an entry detail record within a batch in an ACH input file.	n 15	
Acquiring institution ID code	A code identifying the entity acquiring the transaction	n 11	
Action code	A code which defines the action to be taken. See Appendix B.1	n 3	
Address, cardholder mailing	A constructed data element including Address line 1, Address line 2, Address city, Address state and Address ZIP code where the cardholder receives mail.	ansp, max 96	MailingAddressObject
Address, household mailing	A constructed data element including Address line 1, Address line 2, Address city, Address state and Address ZIP code where the household receives mail.	ansp, max 96	MailingAddressObject
Address city	Sub-element of address data elements identifying the city name of the address specified	ansp, max 25	xs:string

Data element name	Description	Format	XML data type
Address, clinic	A constructed data element including Address line 1, Address line 2, Address city, address, state and Address ZIP code where the clinic receives mail.	ansp, max 96	MailingAddressObject
Address, corporation mailing	A constructed data element including Address line 1, Address line 2, Address city, Address state and Address ZIP code where the corporation receives mail.	ansp, max 96	MailingAddressObject
Address line 1	Sub-element of address data elements identifying the first line of the address specified.	ansp, max 30	xs:string
Address line 2	Sub-element of address data elements identifying the second line, if present, of the address specified.	ansp, max 30	xs:string
Address, local agency	A constructed data element including Address line 1, Address line 2, Address city, Address state and Address ZIP code where the local agency receives mail.	ansp, max 96	MailingAddressObject
Address, state	Sub-element of address data elements; conforms to the U.S. Post Office state and territory abbreviations.	ansp, max 2	xs:string
Address, WIC Vendor physical	A constructed data element including Address line 1, Address line 2, Address city, Address state and Address ZIP code where the WIC vendor is located.	ansp, max 96	PhysicalAddressObject
Address, WIC Vendor mailing	A constructed data element including Address line 1, Address line 2, Address city, Address state and Address ZIP code where the WIC vendor receives mail.	ansp, max 96	MailingAddressObject
Address ZIP code	Sub-element of address data elements and a constructed data element including the Address ZIP code, primary and the Address ZIP code, extended for the address specified.	n 9	xs:string
Address ZIP code, extended	A sub-element of Address ZIP code, identifying the ZIP+4 U.S. postal codes for the address specified.	n 4	xs:string
Address ZIP code, primary	A sub-element of Address ZIP code identifying the U.S. postal code associated with the address specified.	n 5	xs:string
Amount, ACH payment	The amount to be debited or credited to the WIC vendor identified	n 12	xs:decimal
Amount, discount	The amounts deducted from the gross amount of the transaction due to coupons or other reductions in the amount	n 12	xs:decimal

Data element name	Description	Format	XML data type
Amount, item discount	The amount deducted from the Item price for an individual item	n 12	xs:decimal
Amount, paid	The amount paid to a WIC Vendor for a purchase transaction less any discounts or adjustments. The Amount, paid for an individual line item is equal to the Item price as adjusted for NTE, times the approved Purchase quantity, less the Amount, item discount and cannot be less than zero	n 12	xs:decimal
Amount, total food sales	The volume of total food sales reported by the WIC Vendor.	n 12	xs:decimal
Amount, total adjustments	Sum of all adjustments made to the Item prices of the individual items for a transaction.	n 13	xs:decimal
Amount, transaction	Amount requested by the cardholder in the local currency of the acquirer or source location of the transaction including any surcharges where “x” indicates “C” for a credit and “D” for a debit	x + n 12	xs:decimal
Amounts, settled	Total of funds to be transferred between the parties identified where “x” indicates “C” for a credit and “D” for a debit	x + n 12	xs:decimal
Bank account number	The number identifying the WIC Vendor’s bank account.	n 17	xs:string
Bank name	The business entity holding the bank account of the WIC Vendor	aps, max 10	
Benefit issuance ID	A unique number identifying a benefit issuance due to adding, updating or subtracting benefits.	n	xs:decimal
Benefit month	A period defined by the WIC State Agency in which benefits are in effect; may be a calendar month or a rolling number of days	an	
Benefit quantity	The quantity of an item defined in the sender’s specified benefit issuance Unit of measure	n 5	xs:decimal
Benefit quantity, active hold	The quantity of an item defined in the sender’s specified benefit issuance Unit of measure in active hold at a WIC Vendor for manual voucher authorization	n 5	xs:decimal
Benefit quantity, available	The quantity of an item defined in the sender’s specified benefit issuance Unit of measure available for purchase	n 5	xs:decimal

Data element name	Description	Format	XML data type
Benefit quantity, expired	The quantity of an item defined in the sender's specified benefit issuance Unit of measure that have passed the last day to spend	n 5	xs:decimal
Benefit quantity, issued	The quantity of an item defined in the sender's specified benefit issuance Unit of measure issued	n 5	xs:decimal
Benefit quantity, redeemed	The quantity of an item defined in the sender's specified benefit issuance Unit of measure redeemed in a purchase	n 5	xs:decimal
Benefit quantity, voided by WIC MIS	The quantity of an item defined in the sender's specified benefit issuance Unit of measure that has been voided	n 5	xs:decimal
Benefit unit description	text description of the originator's specified benefit issuance unit of measure, e.g., can , pkg., jar	ans, max 50	xs:string
Business name, clinic	Business name of the clinic.	aps, max 50	xs:string
Business name, corporation	Business name of the corporation.	aps, max 50	xs:string
Business name, local agency	Business name of the local agency.	aps, max 50	xs:string
Business name, WIC Vendor	Business name of the WIC Vendor.	aps, max 50	xs:string
Card acceptor identification code	A code assigned by the acquirer to identify the WIC Vendor that defines the point of service	an 15	xs:string
Card acceptor terminal identification code	A unique value that identifies the terminal at the WIC Vendor location	anp 8	xs:string
Card number	A series of digits appearing on the face of the WIC Card or encoded on the magnetic stripe of a card or assigned to a Smart Card.	n, max 19	xs:string
Card number, replacement	A series of digits used to identify the new customer account or relationship	n, max 19	
Category code	A code identifying the type of product as defined in the National UPC database.	n 2	xs:string
Category long description	A literal describing the Category code as specified by the originating WIC authority suitable for printing or displaying in areas where display width is not a concern.	anp 50	xs:string
Category short description	A short literal describing the Category code suitable for displaying on screen and reports where display width is a concern.	anp 20	xs:string

Data element name	Description	Format	XML data type
Clinic ID	WIC MIS assigned identifier for a clinic.	n, max 25	xs:int
Corporation ID	A unique number assigned to a corporation to which WIC Vendors may be associated.	n	xs:int
Count, detail records	Count of detail records contained in the file	n 9	
Date and time, host	Date/time when a transaction occurred based on date/time of EBT Card Issuer Processor system expressed in GMT in accordance with ISO 8601.	CCYYMMDDhhmmss	xs:dateTime
Date and time, local transaction	Date/time when a transaction occurred based on date and time of WIC Vendor system	CCYYMMDDhhmmss	xs:dateTime
Date and time, transmission	Date and time the originator of the function sends the message or batch expressed in GMT in accordance with ISO 8601.	CCYYMMDDhhmmss	xs:dateTime
Date, begin benefit	First date on which benefits may be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, begin category	The date for which the Category code shall become available for use expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, begin sub-category	The date for which the Sub-Category code shall become available for use expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, business	The calendar date on which a transaction occurred or date reported by the EBT system for the transaction expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, effective	Date and time when an action is in effect expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, end benefit	Last date on which benefits may be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, end category	The last date for which the Category code shall be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, end request	End of period being referenced for this function expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date

Data element name	Description	Format	XML data type
Date, end sub-category	The last date for which the Sub-Category code shall be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, end UPC/PLU data	The last date for which the UPC/PLU data shall be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date of birth, cardholder	Month, day and year the cardholder was born expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date of birth, head of household	Month, day and year the head of household was born expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Date, settlement	The year, month and day funds are transferred between the acquirer and the card issuer expressed in GMT in accordance with ISO 8601. In WIC EBT, the EBT system's recorded date of settlement.	CCYYMMDD	xs:date
Date, start request	Beginning of period being referenced for this function expressed in GMT in accordance with ISO 8601.	CCYYMMDD	xs:date
Direct connect auto-recon flag	A flag indicating whether a WIC Auto-reconciliation file is generated for the WIC Vendor location.	a 1	
Direct connect flag	A flag indicating if the WIC Vendor connects directly to the WIC EBT System	a 1	
Email, corporation contact	Email address of a point of contact at the corporation.	anp 254	xs:string
Email, local agency contact	Email address of a point of contact at the local agency	anp 254	xs:string
Email, WIC Vendor contact	Email address of a point of contact at the WIC Vendor location.	anp 254	xs:string
File name	The actual or abbreviated name of the file being accessed	anp 25	
File sequence number	A unique number that is incremented by 1 for each file that is successfully transferred		
First date to spend	First day that benefits for the period are available for purchase	CCYYMMDD	xs:date
File format version	The standard on which the record within the file are based		
FNS number	Number assigned by the Supplemental Nutrition Assistance Program (SNAP) to a retail location	n 11	

Data element name	Description	Format	XML data type
Forwarding institution ID code	The identity of the institution forwarding the information	n 11	xs:integer
Function return code	A value returned in a message based system interface to explicitly indicate the information sent was received and the action taken. See Appendix B.2 for values.	n 4	
Gender	A value indicating whether the person being identified is male or female	n 1	
Hierarchy code	A value indicating the position of the WIC Vendor location within the corporation hierarchy. See Appendix B.3 for values.	n 1	
Initiating user ID	An identifier assigned to a WIC MIS user that is used to track activity in the system.	ansp	
Item description	A name for a WIC food item	anp 50	xs:string
Item price	The purchase amount assigned to one unit of an item.	n 6	xs:decimal
Language code	A code indicating the preferred language spoken by the person identified. See Appendix B.4 for values.	n 1	
Last date to spend	Last day that benefits for the period are available for purchase	CCYYMMDD	xs:date
Line item ID	Unique identifier for a line item within a transaction	n 6	
Local agency ID	WIC MIS assigned identifier that uniquely identifies a local agency within the WIC State Agency.	an 10	xs:string
Manual voucher indicator	A flag indicating if a food item is allowed for purchase with a manual voucher	n 1	xs:short
Message type	A value that identifies the kind of message being sent in a message based system interface	n 4	xs:integer
Message version	A value that identifies which version of a message is being used in a message based system interface	anp 20	xs:string
Name, cardholder	A constructed data element including the sub-elements Name, first, Name, middle initial, Name, last and Name, suffix for the cardholder.	aps, max 47	tns:PersonObject
Name, clinic contact	A constructed data element including the sub-elements Name, first, Name, middle initial, Name, last and Name, suffix for a contact at the clinic.	aps, max 47	tns:PersonObject

Data element name	Description	Format	XML data type
Name, corporation contact	A constructed data element including the sub-elements Name, first, Name, middle initial, Name, last and Name, suffix for a contact at the corporation.	aps, max 47	tns:PersonObject
Name, first	Sub-element of name data elements	aps, max 20	xs:string
Name, head of household	A constructed data element including the sub-elements Name, first, Name, middle initial, Name, last and Name, suffix for the head of the household	aps, max 47	tns:PersonObject
Name, last	Sub-element of name data elements	aps, max 20	xs:string
Name, local agency contact	A constructed data element including the sub-elements Name, first, Name, middle initial, Name, last and Name, suffix for a contact at the local agency.	aps, max 47	tns:PersonObject
Name, middle initial	Sub-element of name data elements	aps, max 1	xs:string
Name, suffix	Sub-element of name data elements	aps 6	xs:string
Name, WIC Vendor contact	A constructed data element including the sub-elements Name, first, Name, middle initial, Name, last and Name, suffix for a contact at the WIC Vendor.	aps, max 47	tns:PersonObject
NTE (Not to Exceed) price	The maximum allowed price for a food item as established by the WIC State Agency	n 6	xs:decimal
Number of WIC Vendor peer groups	Number of iterations of WIC Vendor peer groups and NTE prices for those groups	n 2	xs:short
Originator of file	Unique identifier of the entity that is sending the file, e.g., Forwarding institution ID, WIC EBT system ID or WIC MIS System ID		
Operation hours	The times of day when entity is available	an 12, hhmmhhmm in 24 hour format	xs:string
Original category code	A code identifying the requested type of product as defined in the National UPC database.	n 2	xs:string
Original item price	The original purchase amount for a single food item in the original request	n 6	xs:decimal
Original purchase quantity	The number of items or quantity of an item originally requested in the unit of measure associated with the UPC/PLU, also called the exchange size	n 5	xs:decimal
Original sub-category code	A code further identifying the requested type of product as defined in the National UPC database.	n 3	xs:string

Data element name	Description	Format	XML data type
Package size	The size of the contents of the package quantified in the standard benefit units of measure	n 5	xs:string
Phone number, alternate corporation contact	Other phone number for a point of contact at the corporation	n 9	xs:string
Phone number, alternate WIC Vendor contact	An alternate phone number of a point of contact at the WIC Vendor.	n 9	xs:string
Phone number, cardholder	Phone number for cardholder.	n 9	xs:string
Phone number, clinic contact	Phone number for the clinic.	n 9	xs:string
Phone number, corporation contact	Phone number for the corporation	n 9	xs:string
Phone number, local agency contact	Phone number for the local agency.	n 9	xs:string
Phone number, WIC Vendor contact	The phone number for a point of the contact at the WIC Vendor.	n 9	xs:string
PIN, encrypted	A number assigned to a cardholder intended to uniquely identify that cardholder at the point of service; encrypted block	b 8	xs:string
Purchase indicator	A flag indicating a food item that can be purchased with benefits assigned in a non-zero Sub-Category code (any Sub-Category code that is not equal to "000") as well as with benefits assigned in the Broadband Sub-Category code	n 1	xs:short
Purchase quantity	The number of items or quantity of an item being purchased in the unit of measure associated with the UPC/PLU , also called the exchange size	n 5	xs:decimal
Reason code	Reason for an action; see Appendix B.5 for values	an 4	
Rebate flag	A flag indicating that a food item is eligible for rebate to the WIC State Agency	n 1	xs:string
Receiving institution identification code	Code identifying the entity receiving the message or batch	n 11	xs:string
Record sequence number	A sequential number assigned to each record within a batch by the batch sender	n 6	xs:integer
Security token	A token issued by the WIC EBT System when a systems logs on to the WIC EBT System. The issued token is required for all subsequent functions.		
Security type	User id, password, or Security token used to authenticate the file		

Data element name	Description	Format	XML data type
Status code	A code indicating the status of the entity indicated. See Appendix B.6 for values.	an 4	xs:short
Sub-Category code	A code further identifying the type of product within a Category code as defined in the National UPC database.	n 3	xs:string
Sub-Category long description	A long description of the Sub-Category code suitable for printing or displaying in areas where display width is not a concern.	anp 50	xs:string
Sub-Category short description	A short description of the Sub-Category code suitable for displaying in areas (particularly POS stand-beside receipts) where display width is a concern.	anp 6	xs:string
Systems trace audit number	A number assigned by the message initiator to uniquely identify a transaction in WIC redemption processing	n 6	
Transaction reason code	Provides the reason the transaction was declined or adjusted. Value is the action code (bit 39) for WIC Online EBT and the message reason code from claim file "D4 – detail record" for WIC Smart Card EBT; see Technical Implementation Guide for corresponding values.	n 4	
Type code	A code indicating the kind of entity being acted or reported upon in the function, See Appendix B.7 for values.	an 1	
Unique EBT transaction identifier	A number that uniquely identifies a transaction from a clinic, WIC Vendor or other party within the WIC MIS and WIC EBT system interface.	n 20	xs:string
Unit of measure	A determinant amount or quantity adopted as a standard of measurement, e.g., gallons, pounds, etc. applied to an individual item, see TIG and ANS 260.1.	an 10	xs:string
UPC/PLU data	Information identifying the UPC or PLU assigned to an item; see Technical Implementation Guide for formatting.	n 17	xs:string
UPC/PLU data length	Indicate the number of significant digits in the UPC or PLU	n 2	xs:string
Username	String used to identify user in the WIC EBT System. Used in conjunction with the WIC EBT System ID to uniquely identify a user.	ans 50	xs:string

Data element name	Description	Format	XML data type
WIC EBT system ID	Value identifying the WIC EBT system		
WIC MIS account ID	Value assigned by the WIC MIS to identify an account for a WIC participant, economic unit or household	an, min 2, max 19	xs:string
WIC MIS account ID, new	New value assigned by the WIC MIS to identify an account for a WIC participant, economic unit or household	an, min 2, max 19	xs:string
WIC MIS system ID	Value identifying the WIC Management Information System		
WIC MIS WIC Vendor ID	Value assigned by the WIC Management Information System to identify the WIC Vendor equal to WIC merchant ID from X9.93	an 12	xs:string
WIC State Agency ID	Value assigned by FNS to identify the WIC Authority; see TIG for values.	n 3	xs:string
WIC Vendor peer group ID	An identifier assigned to a set of vendors defined by the WIC State Agency for managing cost containment	n 5	xs:int
WIC Vendor tax ID	A value identifying the federal and/or state tax identification number assigned to the WIC Vendor	n 9	xs:string
Work station ID	A value identifying the workstation initiating the function.	anp	xs:string

APPENDIX B DATA ELEMENT CODE TABLES

The Data Element Code tables list the code values assigned for the data elements used in the Universal Interface in alphabetical order.

B.1 ACTION CODE

The *Action code* is used to identify the action to be taken in a function. Table B.1 defines the *Action code* values.

Table B.1 Action codes

Value	Description
001	Activate or Add or Issue
002	Change or Update
003	Deactivate or Delete or Void
005	Reactivate
006	Hold

B.2 FUNCTION RETURN CODE

The *Function return code* is used to identify the action taken in response to a request. Table B.2 defines the *Function return code* values.

Table B.2 Function return codes

Value	Description
0	accepted
1	rejected
3	modified

B.3 HIERARCHY CODE

The *Hierarchy code* is used to identify the level of the WIC Vendor within the corporate organization structure. Table B.3 defines the *Hierarchy code* values.

Table B.3 Hierarchy codes

Value	Description
0	no hierarchy
1	Level 1, vendor
2	Level 2
3	Level 3
4	Corporate headquarters

B.4 LANGUAGE CODE

The *Language code* is used to identify the language to be used with the WIC MIS account users. Table B.4 defines the *Language code* values.

Table B.4 Language codes

Value	Description
E	English
S	Spanish

B.5 REASON CODE

The *Reason code* is used to explain the action being requested or taken in a function. Table B.5 defines the *Reason code* values.

Table B.5 Reason codes

Function	Value	Description
EBA add/update	E001	New
	E002	Account data update
	E003	Fraud
	E004	Hold expired
Card add/update	C001	Lost
	C002	Stolen
	C003	Damaged after issued

Function	Value	Description
	C004	Returned
	C005	Undeliverable
	C006	Damaged before issued
	C007	Issued
	C008	Hold expired
	C009	Compromised, other than lost or stolen
	C099	Other
Benefit add/update	B001	New benefit issuance
	B002	WIC participant request
	B003	Voluntary withdrawal of authorization
	B004	Involuntary withdrawal of authorization
	B005	WIC disqualification
	B006	Nutrition evaluation
Local agency or clinic add/update	L001	New local agency
	L002	New clinic
	L003	Local agency or clinic relocated
	L004	Local agency or clinic closed
Vendor add/update	C001	Vendor not WIC EBT certified and functional
	C002	Vendor WIC EBT certified and functional
	C003	Vendor WIC EBT certified only
	C004	Vendor WIC EBT functional only
	C005	Vendor ineligible for reactivation
	C006	Vendor eligible to be paid
	C007	Vendor payment withheld
ACH payment	P001	Adjustment
	P002	Payment to warehouse

B.6 STATUS CODE

The *Status code* is used to describe the condition of the entity acted or reported upon in a function. Table B.7 defines the *Status code* values.

Table B.7 Status codes

Value	Description
A001	Activated
A002	Deactivated
A003	Reactivated
A004	Lost card
A005	Stolen card
A006	Valid/ready to shop card
A007	On hold

B.7 TYPE CODE

The *Type code* is used to describe the entity being acted or reported upon in a function. Table B.7 defines the *Type code* values used in the Universal Interface function.

Table B.7 Type codes

Group	Value	Description
Type code, cardholder	P	Primary cardholder
	S	Secondary cardholder
	X	Proxy cardholder
Type code, file	N	New file
	U	Update file
	R	Replacement file
Type code, transaction	E	Expunged/expired
	B	Purchase
	V	Void
	R	Reversal
	M	Manual authorization clear
	A	Debit Adjustment, specific transaction
	J	Debit Adjustment, non-specific transaction
	C	Credit Adjustment, specific transaction
	T	Credit Adjustment, non-specific transaction
Q	Balance inquiry	
	D	Declined purchase

Group	Value	Description
	I	Issuance/Add
	S	Store and forward purchase
	F	Future benefit issuance/add
	G	Future benefit void
Type code, vendor	C	Chain
	I	Independent grocer
	L	Sole proprietor
	F	Farmers market
	Y	Pharmacy
Type code, WIC MIS account	H	Household
	D	Emergency disaster
	O	Compliance buy
	V	Vendor