



WIC UNIVERSAL MIS – EBT INTERFACE

Functional Requirements Specification

March 2015 Version

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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
5.2	1/31/2012	Released version for final comment
Version 1	June 2012	Published 2012 version
Version 2 draft	June 2014	First draft 2014 version; updated to provide more detailed specifications and to align future implementations. A list of the changes in the version is included in the document and can be found on the FNS Partnerweb site.
Version 3 draft	November 2014	Second draft of 2014 version reflecting the resolution of further Change Requests submitted and the comments received on the June 2014 draft.
Final	March 2015	Reflects resolution of comments received on November 2014 draft.

Changes in 2015 Version

The following bulletins and changes have been incorporated in the 2015 Universal Interface Specification and apply to all affected parties; WIC State Agencies, WIC State Management Information System developers, and WIC EBT Processors.

Bulletins

- a) U-001, dated October 15, 2012, updating *Amount, transaction, Amount, ACH payment* and *Amount, discount* in Appendix A; adding *Date, begin sub-category* and *Date, end sub-category* data elements to Section 6.5.2 and adding *Date, end vendor* data element to Section 6.4.1.
- b) U-002, dated December 17, 2012, added updates and corrections to *Function return code, Unique EBT transaction identifier*, and phone number data elements in Appendix A; added or updated rules at Section 8.6; added and updated descriptions of values in tables B.8 and B.10; and added new data element, *Cardholder relationship* to 6.3.1, 6.3.3, and 6.3.4
- c) U-003, dated April 16, 2013, changed the representation of the *Sub-category short description* data element to “anp 24” in Appendix A.
- d) U-004, dated August 21, 2013, addressing the handling of multiple line items was rescinded and the updated information was incorporated at Section 6.6.1.5.
- e) U-005/T-014, dated June 12, 2013, addressing additional values for the *Reason code* data element at Section B.8.

Change Requests

- a) CR#308, dated, 11/27/2013 addressing new codes for PIN Activity Status, PIN history, and cardholder access, in Appendix A and Appendix B tables B.1, B.6, B.8 and B.9.
- b) CR#309, dated 2/11/2014 removed the *Status code* data element at Section 6.1.1.
- c) CR#310, dated, 2/11/2014, added *Date, begin category, Date, end category, Date, begin sub-category* and *Date, begin category* data elements at Section 6.5.3 with references to 8.6.
- d) CR#311, dated 2/11/2014, combined Add WIC Vendor and Update WIC Vendor functions, at Section 6.4.1; eliminated *Status code* in request message and batch record; allowed vendor status to be set by MIS or EBT system in 6.4.3.
- e) CR#312, dated, 2/11/2014, made *Card number* data element optional in Add/Update Benefits, at Section 6.2.1.
- f) CR#313, dated, 2/11/2014, added *Reason code* and *Unique EBT transaction identifier* data element to Sections 6.6.3.
- g) CR#314, dated, 2/11/2014, moved the *Clinic ID, Local Agency ID, Initiating user ID* and *Workstation ID* data elements to the part of the record that is repeated for each food item in the redemption functions at Section 6.2.4 and 6.6.1. Also moved *Clinic ID, Local Agency ID* and *Initiating user ID* data elements to the part of the record that is repeated for each *Benefit issuance ID* reported in Sections 6.2.3 and 6.6.3 for consistency in reporting. Clarified the usage notes to state that the data elements refer to the issuing clinic and local agency.

Change Requests, continued

- h) CR#315, dated, 2/11/2014, added the *Units* data element to Appendix A.
- i) CR#316, dated, 2/12/2014, updated the description in redemption functions and made “ME” in all message responses the *Unique EBT Transaction Identifier* data element, at Section 5.1.1 and added it to Sections 6.2.4 and 6.6.1 and updated the definition in Appendix A.
- j) CR#317, dated, 2/12/2014, re-worded the prohibition of partial approvals of void requests at Section, 6.2.1.4, 6.2.1.5 and 8.7.
- k) CR#318, dated, 2/12/2014, added new data element, *Date, begin vendor*, at Section 6.4.1 and added definition Appendix A.
- l) CR#319, dated, 2/12/2014, struck the rule for *Date, effective* data element in 6.1.1 as data element is not present.
- m) CR#320, dated, 2/12/2014, added and updated usage notes to *Original category code, Original Sub-Category code, Category code* and *Sub-Category code* data elements at Section 6.6.1.
- n) CR#321, dated, 2/12/2014, defined *Clinic ID* data element as a maximum of “n 10, integer” in Appendix A.
- o) CR#322, dated, 2/12/2014, changed *Username* data element included in all message based system interfaces to optional in Section 5.1.1.
- p) CR#323, dated, 2/12/2014, defined *Above fifty percent (A50) vendor* flag as “an 1, boolean” in Appendix A.
- q) CR#324, dated, 2/12/2014, corrected name of *Unit of measure, abbreviated* data element to *Benefit unit description* and define as “ans 50, only first 6 digits significant”, referencing the table of values in X9.93:2, Annex A.1, at Appendix A and throughout document. Added *Unit of measure* assigned to Category/Sub-Category at Section 6.5.2 and 6.5.5.
- r) CR#325, dated, 2/12/2014 was rejected.
- s) CR#326, dated, 2/12/2014, added usage note clarifying that *Record sequence number* data element is required in each detail record of a batch file at Section 5.2.1.
- t) CR#327, dated, 2/12/2014, updated definition of *Bank account number* data element to specify a checking account in Appendix A.
- u) CR#328, dated, 2/13/2014, added the recommendation for the WIC Category Sub-Category file to be a full replacement file at Section 6.5.3.2.
- v) CR#329, dated, 2/13/2014, changed usage note for *Benefit Issuance ID* data element at Section 6.2.1 and updated definition in Appendix A.
- w) CR#330, dated, 2/13/2014, was rejected.
- x) CR#331, dated, 2/24/2014, rescinded Bulletin U-004, see list of bulletins above and Section 6.6.1.5.
- y) CR#332, dated, 2/26/2014, updated usage note for *Item price* and *Original item price* data elements and made the *Original item price* a mandatory data element Section 6.6.1.
- z) CR#333, dated, 3/13/2014, updated the usage note and definition for *Transaction reason code* at Section 6.2.4, 6.6.1 and Appendix A. Added *Item action code* and *Message reason code* to both sections to provide additional detail about the transaction.
- aa) CR#334, dated, 3/13/2014, added *Username* and *Workstation ID* to all batch file detail records if action initiated by a user, at Section 5.2.1
- bb) CR#335, dated, 3/17/2014, deleted data elements associated with adding a card/cardholder at Section 6.1.1; adding a card/cardholder is done separately in Section 6.3.1.
- cc) CR#336, dated, 3/17/2014, added a Batch Confirmation file at Section 5.2.4

Change Requests, continued

- dd) CR#337, dated, 3/17/2014, added *Amount*, *NTE adjustment* and *Amount, recoupment adjustment* at Section 6.6.1 and Appendix A.
- ee) CR#338, dated, 3/17/2014 changed function 6.5.5 to optional at Section 5.1.2 and rest of document.
- ff) CR#339, dated 6/16/2014, suggested adding the ability to indicate the operating days of the week and was postponed as a future enhancement.
- gg) CR#340, dated 6/18/2014, updated data elements in Appendix A to utilize fundamental data type descriptions. Added Section A.2 on data types, Section A.3 on abbreviations and added a list of the type of files to Section 5.2.
- hh) CR#341, dated 6/18/2014, added *Voucher number* data element at Sections 6.2.4, 6.6.1 and in Appendix A.
- ii) CR#342, dated 6/27/2014, added *POS data code* data element at Section 6.6.1, 6.2.4 and in Appendix A added data element and related sub-elements to provide information provided at the POS. Add code table at Section B.7.
- jj) CR#343, dated 6/30/2014, changed Section 6.3.6 to make either *WIC MIS account ID* or *Card number* mandatory to allow requesting information on all cards associated with the account.
- kk) CR#344, dated 6/30/2014, updated Section 6.3.2 and B.1 to allow for unlocking a PIN.
- ll) CR#345, dated 7/1/2014, updated Section 6.3.3 to provide a list of cards for an account and their status. Moved *Cardholder relationship* data element to the response.
- mm) CR#346, dated 7/1/2014, added *WIC State Agency ID* to all batch files at the file level in Section 5.1.1 and Appendix A.
- nn) CR#347, dated 6/30/2014, added a new optional function at Section 6.2.5 Report Daily Outstanding Liability.
- oo) CR#348, dated 7/30/2014, requesting modifications to the business rule for benefit voids was rejected.
- pp) CR#349, dated 7/30/2014, added the data element *Initiating user ID* to Sections 6.3.5 and 6.3.6 to identify the user that initiated the action being reported.
- qq) CR#350, dated 8/22/2014, requesting the ability to process ACH debits was deferred as a future enhancement once policy on debiting a vendor's account is defined.
- rr) CR#351, dated 8/25/2014, added *Date and time, host* as conditional based on where update was performed at Section 6.2.2.

Other changes (from comments on drafts)

- a) Added and corrected the definition, representation, format and data type to data elements in Appendix A where they were missing or not previously noted in a Change Request or Bulletin.
- b) Added Section A.1 Universal Interface ASCII Character Set usage to identify characters that are allowed in the Universal Interface messages and files.
- c) Added Section B.5 Message or file type code values used in message or file headers to identify the function being performed and added data elements for *Message or file type code* and *Original message or file type code* to Appendix A.
- d) Added rule at 6.1.1 to note that the *Type code* cannot be changed once the EBT account is created.

Other changes (from comments on drafts), continued

- e) Eliminated the use of the term “null” in descriptions of data element conditions in Section 5, 6.5.4 and 6.5.5 and removed default descriptions from *NTE price* and *WIC Vendor peer group ID* data elements; changed *NTE price* to conditional with note that it is mandatory when data is initially provided.
- f) Corrected data representation of *Benefit month* data element to “MMCCYY” and added *ACH payment month* data element and definition for use in 6.6.4
- g) Add values from ANSI/ISO Z39.53:2001 standard for *Language code* values.
- h) Changed the following data elements sent in a request message to be echoed in the response message (*Initiating user ID, Local Agency ID, Message or file type code, Message version, Username, WIC EBT system ID, WIC MIS system ID, WIC State Agency ID*).
- i) Changed *Function return code* to be mandatory in all message based interfaces; removed it in the descriptions of each function where found, amended definition to address use in batch confirmation files.
- j) Updated rules 6.2.1.4 and 6.2.1.6 to address benefits on hold at Section 6.2.1 and required only the *Benefit issuance ID* to match.
- k) Eliminated *Card number* from the response in 6.2.2 and added rule that if the *Card number* is sent in the request, retrieve the associated *WIC MIS account ID* information.
- l) Updated *Date, begin request* to eliminate default and *Date, end request* to default to today’s date and made *Benefit quantity* mandatory rather than optional in Section 6.2.3
- m) Added sub-elements of *UPC/PLU data* to Appendix A and in functions where used.
- n) Changed definition of *ACH settlement time* to reflect current usage in Appendix A.
- o) Added *Unique EBT transaction identifier* data element as an optional data element to Sections 6.2.3 and 6.6.3 to align with other functions; the data element is mandatory in 6.2.1 as part of the standard message header.
- p) Updated the description of mandatory functions in Section 1.1 on to identify parties that must support them and how WIC State Agencies may request exceptions.
- q) Modified the description of message based system interfaces to indicate they are performed in near real-time as well at Section 5.
- r) Moved *WIC State Agency ID* to file level in Section 5.2.1.
- s) Added the use of the function in a batch mode for conversions of the MIS or EBT systems at Sections 5.2.2, 6.1.1, 6.2, 6.3.1 and 6.3.2 and 8.4 and specified the batch names. Added *Message or file type code* values for the new files in B.5.
- t) Corrected definition of *Date, begin vendor* in Appendix A and aligned definition of *Date, end vendor* with its definition at Section 6.4.1. Added note to clarify that dates refer to the beginning of the day at Section 8.6.
- u) Added *Type code* data element to allow WIC EBT System to report the value in Section 6.3.5 and added note that it cannot be changed by the WIC EBT System.
- v) Added *PIN activity code* data element to Section 6.3.5 to allow reporting of changes to the PIN.
- w) Change *Sub-Category short description* data element to mandatory in Section 6.5.3 to make it available for receipt printing and added usage note identifying the source.
- x) Replaced *Clinic ID* with *Corporation ID* and corrected description of *Initiating user ID* at Section 6.9.2.
- y) Updated name of Batch confirmation File in Section 8.4.2 and clarified files that may not use it.

Other changes (from comments on drafts), continued

- z) Added a *Type code* for vendors of “W-warehouse” to identify warehouse WIC vendors; changed the *Type code* value of “D–declined purchase” to “D–debit/subtract” for use with clinic transactions.
- aa) Made *Benefit issuance ID* mandatory in 6.2.3, 6.2.4, 6.6.1 and 6.6.3 to make consistent across functions.
- bb) Added values in use in industry to *Function return code* table at Section B.2, aligning data element names with Appendix A.

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 (FRd)* (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 WIC 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.

1.1 MANDATORY FUNCTIONS

System interfaces between the WIC MIS and the WIC EBT system provided by the WIC EBT processors and WIC State Agency Model (SAM) systems shall support the following eighteen (18) mandatory functions as defined in this version:

- a) 5.2.4 Batch file confirmation
- b) 6.1.1 Add EBA
- c) 6.1.2 Update EBA
- d) 6.1.3 Get EBA Details
- e) 6.2.1 Add or Update Benefits
- f) 6.2.2 Get Benefit Balance
- g) 6.2.3 Get Benefit Maintenance History
- h) 6.2.4 Get Benefit Redemption History
- i) 6.3.1 Add Cardholder/Card
- j) 6.3.3 Get Cardholders/Cards
- k) 6.3.4 Update Card/Cardholder
- l) 6.3.6 Get Card History
- m) 6.4.1 Add or Update WIC Vendor
- n) 6.5.3 Add or Update Category/Sub-Category Information
- o) 6.5.4 Add or Update UPC/PLU Information
- p) 6.6.1 Report WIC Benefit Redemptions
- q) 6.6.2 Report WIC Benefits Purged
- r) 6.6.3 Report WIC Benefit Changes

WIC State Agencies that have implemented an interface using prior versions of the Universal Interface specification may continue to operate without updating to this version. FNS expects future transfers of existing implementations to update in order to comply unless exemptions are requested. WIC State Agencies should contact FNS with any questions regarding compliance with this specification.

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
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
X9.93:1	Part 1: Messages of X9.93:2014
X9.93:2	Part 2: Files of X9.93:2014

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 X9.93-2014 Financial transaction messages – Electronic benefits transfer (EBT) – Part 1: Messages</i> and <i>ANS X9.93-2014 Financial transactions messages – Electronic benefits transfer (EBT) – Part 2: File</i> , as amended and updated; abbreviated as X9.93:1 for Part 1 and X9.93:2 for Part 2.

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 mandatory WIC EBT functions identified in Section 1.1 and the related 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 or near real-time transfers of data between the WIC MIS and WIC EBT systems.
- b) Batch System interface – the systems exchange batches of 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.

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, i.e. is mandatory, 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. 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. 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 or near real-time, message based system interface. An objective 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, such as responses to “get” functions.

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* which is mandatory in the response. These data elements are not repeated in the list of required data elements for each function using a message based system interface. See Appendix A for definitions.

Data element name	Condition sending	Condition responding	Usage notes
Clinic ID	C	CE	Mandatory if message originates from a clinic
Date and time, transmission	M	M	in GMT
Function return code		M	Indicates that a message was received and the result of processing the message; see Appendix B.2 for values
Initiating user ID	C	CE	Mandatory if <i>Clinic ID</i> present
Local Agency ID	C	CE	Mandatory if message originates from a local agency

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

Data element name	Condition sending	Condition responding	Usage notes
Message or file type code	M	ME	See B.5 for values
Message version	M	ME	
Unique EBT transaction identifier	M	ME	Assigned by sender, echoed in response
Username	O	OE	Identifies user at EBT system
WIC EBT system ID	M	ME	
WIC MIS system ID	M	ME	
WIC State Agency ID	M	ME	Identifies the WIC State Agency, see Table A.15 in X9.93:2 for values
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 11 required functions in message based system interfaces, one of which may also be accomplished with a batch based system interface. Four functions may also be used in a batch mode for conversions as noted.

Functional Area	Function	Implementation
WIC EBA Account Maintenance	6.1.1 Add EBA ¹	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 ¹	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 ¹	Required
	6.3.2 Add or Update PIN ¹	Optional
	6.3.3 Get Cardholders/Cards	Required
	6.3.4 Update Card/Cardholder	Required

Functional Area	Function	Implementation
	6.3.6 Get Card History	Required
	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	Optional
	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

¹This function may be used in a batch mode for conversions of EBT or MIS systems.

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 or Update WIC Vendor	Required
	6.4.2 Add or Update WIC Vendor Hierarchy Information	Optional
	6.4.3 Update WIC Vendor Status	Optional
	6.4.4 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.

- a) 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.

- b) 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.
- c) All message based system interface messages using real-time shall be processed within 20 seconds.
- d) If the condition specified for a data element is not met, the data element may be omitted from the message.
- e) 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.

The following types of files structures may be used for data exchange:

- a) XML
- b) Flat file or system delimited file (SDF)
- c) Comma separated values (CSV)
- d) Tab separated value

5.2.1 DATA REQUIRED IN ALL BATCH SYSTEM INTERFACES

The following list of data elements shall be included in each batch system interface at the file level and at the record level as shown. These data elements are not repeated in the list of required data elements for each function using a batch system interface.

Data element name	Condition	Usage notes
At the file level:		
Count, detail records	M	
Date and time, transmission	M	File create date and time, in GMT
File name	O	
File sequence number	M	
File format version	M	

Data element name	Condition	Usage notes
Message or file type code	M	Identifies the file function being performed, see Appendix B.5 for values
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>
Type code	M	The type of file, see Appendix B.10 for values
WIC State Agency ID	M	Identifies the WIC State Agency, see Table A.15 in X9.93:2 for values
At the record level:		
Record sequence number	M	A Record sequence number shall appear as a mandatory data element in each detail record included in the batch file.
Username	C	Mandatory if record was created as the result of an action by a WIC EBT system user
Workstation ID	C	Mandatory if record was created as the result of an action by a user

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 6 required functions in batch based system interfaces, one of which may also be accomplished with a message based system interface.

Functional Area	Function	Implementation
WIC EBA Benefit Maintenance	6.2.5 Report Daily Outstanding Liability	Optional
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 or Update WIC Vendor	Required
	6.4.2 Add or Update WIC Vendor Hierarchy Information	Optional
	6.4.3 Update WIC Vendor Status	Optional
	6.4.4 Update WIC Vendor Banking information	Optional
Financial Settlement	6.9.1 Request ACH Payment	Optional

Batch system interfaces may be used for the following functional areas for the purpose of converting the EBA accounts, benefits, cardholder, card or PIN information from one MIS or EBT system to another.

Functional Area	Function	Implementation
WIC EBA Account Maintenance	6.1.1 Add EBA	Required
WIC Benefit Maintenance	6.2.1 Add or Update Benefits	Required
WIC Cardholder/Card Maintenance	6.3.1 Add Cardholder/Card	Required
	6.3.2 Add or Update PIN	Optional

5.2.3 BATCH PROCESSING STANDARDS

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

- a) A Batch Confirmation File (see 5.2.4) shall be provided to the sending party that the file was received for the files listed in Section 8.4.2.
- b) Batch level errors (e.g. wrong sequence, wrong record count, etc.) shall be reported to the sending party.
- c) Detail record errors (e.g. provide specific record identifier and indication of specific error) shall be reported to the sending party.
- d) Batches may be transmitted on an as needed or periodic basis e.g., daily or monthly.
- e) A batch with no records shall indicate that no action is to be taken by the receiving system.
- f) 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.

5.2.4 BATCH CONFIRMATION FILE

The Batch Confirmation file function is a required function that uses a batch based system interface to acknowledge batch files. All batch files generated in a batch system interface shall be acknowledged with a Batch Confirmation File from the receiving party. The Batch Confirmation File shall have a header record that includes the data elements required in all batch files followed by Batch Confirmation File detail records indicating information on erroneous records (if any) from the originally received batch file.

The batch name is Batch Confirmation File.

The following table lists the data elements in the Batch Confirmation File header record in addition to those required of all batch files:

Data element name	Condition	Usage notes
Data elements in all batch file interfaces at the file level:		
Count, detail records	M	Echoed from the original file
Date and time, transmission	M	File create date and time
File name		
File sequence number	M	
File format version	M	
Message or file type code	M	Identifies the file function being performed, see Appendix B.5 for values
Originator of file	M	Unique identifier of the entity that is sending the file, e.g., <i>Forwarding institution ID, WIC EBT system ID or WIC MIS System ID</i>
Receiving institution identification code	M	Receiver of file
Type code	M	Echoed from original file
WIC State Agency ID	M	Identifies the WIC State Agency, see Table A.15 in X9.93:2 for values
Additional data elements in Batch Confirmation file header:		
Original message or file type code	M	Echoed from original file
Rejected line count	M	Number of lines rejected from original file

The following table lists the data elements in the Batch Confirmation File detail record:

Data element name	Condition	Usage notes
Function return code	M	See B.2 for values
Original line number	M	The line number in the original file with an error; each line in a file is terminated with a "CR" or "LF" character.
Record sequence number	M	The record sequence number of the record from the original file with an error

The following table lists the processing rules for the Batch Confirmation File:

Rule ID	Description
5.2.4.1	A batch file with no errors is confirmed by a Batch Confirmation File with only a header record.
5.2.4.2	Additional data elements may be provided in the detail record to provide further information on the record in error.

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 WIC MIS system and the WIC 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:

- a) Description – Describes the functional area.
- b) 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:

- a) Description - There is a brief description of the function.
- b) Data elements - There is a table of input and output (if applicable) data elements for the function. The table only covers the additional data elements needed for the specific function. The common data elements required in a message based system interface shown in 5.1.1 or those required in a batch based system interface shown in 5.2.1 are not repeated in the list of required data elements for each function. The table contains the following columns:
 - 1) Data element name – Name of the data element as it appears in the Data Element Dictionary.
 - 2) Data element condition code (“Condition”) – Indicates whether the data element is Mandatory (M), Conditional (C) or Optional (O)
 - 3) Usage notes – Explains the condition or requirements of data element usage.
- c) 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 ¹	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

¹This function may be used in a batch mode for conversions of EBT or MIS systems.

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* and *Type code* are 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 additional data elements are sent for the Add EBA function:

Data element name	Condition	Usage notes
Address, household mailing	O	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	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	
Name, first	O	
Name, middle initial	O	
Name, last	O	
Reason code	O	Default to "E001 – new"; see Appendix B.8 for values.

Data element name	Condition	Usage notes
Type code	M	WIC MIS account type (Household, Emergency Disaster, Compliance buy, Vendor), see Appendix B.10 for values
WIC MIS account ID	M	

No additional data elements are returned for the Add EBA function.

This function is used in a batch system interface for conversion of the MIS or EBT systems. The batch name is WIC EBA Conversion File.

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 the requesting WIC State Agency. (Not necessarily applicable for WIC Smart Card EBT system).
6.1.1.2	The <i>Type code</i> assigned when adding an EBA cannot be changed. The account must be deactivated and a new EBT account established.

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 additional data elements are 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	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	

Data element name	Condition	Usage notes
Date of birth, head of household	O	
Date, effective	O	Used if updates are to take place at a future date, see 8.6
Gender	O	
Language code	O	See Appendix B.4 for values
Name, head of household	O	
Name, first	O	
Name, middle initial	O	
Name, last	O	
Reason code	O	See Appendix B.8 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 additional data element is returned for the Update EBA function:

Data element name	Condition	Usage notes
Status code	O	Indicates result, Activated, Deactivated, etc. See Appendix B.9 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 additional data elements are 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.10 for other values
WIC MIS account ID	M	

The following additional 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
Address line 1	C	
Address line 2	C	
Address city	C	
Address state	C	
Address ZIP code	C	
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
Name, first	C	
Name, middle initial	C	
Name, last	C	
Status code	M	<i>Status code</i> assigned when EBA was last updated, see Appendix B.9 for values
Type code	M	<i>Type code</i> assigned when EBA was added, see Appendix B.10 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.
6.1.3.2	Validate that the <i>Type code</i> in the request matches the <i>Type code</i> for the <i>WIC MIS account ID</i> requested.

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 *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 WIC MIS account 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 additional data elements are sent for the Get EBA Using Card Number function:

Data element name	Condition	Usage notes
Card number	M	

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

Data element name	Condition	Usage notes
Address, household mailing	O	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	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

Data element name	Condition	Usage notes
Name, head of household	O	
Name, first	O	
Name, middle initial	O	
Name, last	O	
Status code	M	<i>Status code</i> assigned to the MIS account when the EBA was last updated; see Appendix B.9 for values
Type code	M	<i>Type code</i> assigned to the MIS account when the EBA was added; see Appendix B.10 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 ¹	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
Report Outstanding Liability	Optional	Batch based	WIC EBT System

¹This function may be used in a batch mode for conversions of EBT or MIS systems.

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, voided or placed on hold 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.

This function is used in a batch system interface for conversion of the MIS or EBT systems. The batch name is WIC Benefits Conversion File.

The following additional data elements are 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	O	
WIC MIS account ID	M	
Reason code	O	New, Request, Withdrawal, etc. See Appendix B.8 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	Assigned by the WIC MIS system at issuance; for updates/voids contains <i>Benefit issuance ID</i> assigned at issuance
Date, begin benefit	M	See 8.6
Date, end benefit	M	See 8.6
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 additional data element is returned for the Add or Update Benefits function:

Data element name	Condition	Usage notes
Status code	C	Mandatory if <i>Action code</i> indicated benefits to be placed on hold, <i>Status code</i> is set to "A007 - On hold", see Appendix B.9 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) or places benefits on hold, then the <i>Benefit issuance ID</i> shall exactly match the <i>Benefit issuance ID</i> for the benefits to be debited or placed on hold or the transaction is rejected.
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 approvals of void requests 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	If the transaction is to place benefits on hold, there shall be a validation that the total <i>Benefit quantity</i> (units) to be placed on hold does not exceed the benefit balance.

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. Note that the benefit balance is reported at the household level only.

The following additional data elements are sent for the Get Benefit Balance function:

Data element name	Condition	Usage notes
Benefit issuance ID	C	Mandatory if specific <i>Benefit issuance ID</i> requested
Card number	C	Mandatory if <i>WIC MIS account ID</i> not present
Date, begin request	O	See 6.2.2.2
Date, end request	O	See 6.2.2.2
WIC MIS account ID	C	Mandatory if <i>Card number</i> not present

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

Data element name	Condition	Usage notes
WIC MIS account ID	C	Mandatory if not sent in request
The following data is repeated for each <i>WIC MIS account ID</i> :		
Benefit issuance ID	C	Mandatory if requested
Date, begin benefit	M	See 8.6
Date, end benefit	M	See 8.6
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.
6.2.2.5	If <i>Card number</i> is sent in request, retrieve the benefit balance for the associated <i>WIC MIS account ID</i> .

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 additional data elements are 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, begin request	M	See 8.6
Date, end request	M	See 8.6
Type code	O	Used to request specific types of maintenance (Add, Void, Purged), see Appendix B.10 for values
WIC MIS account ID	C	Mandatory if <i>Card number</i> not present

The following additional 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	M	
Date and time, host	M	
Date, begin benefit	M	See 8.6
Date, business	M	
Date, end benefit	M	See 8.6
The following data elements will be repeated for each <i>Benefit issuance ID</i> or date range:		
Benefit quantity	M	
Category code	M	
Category long description	O	
Clinic ID	C	Mandatory if transaction being retrieved originated from a clinic
Initiating user ID	C	Mandatory if transaction being retrieved originated from a clinic
Local agency ID	C	Mandatory if transaction being retrieved originated from a local agency
Sub-Category code	M	
Sub-Category long description	O	
Reason code	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.10 for values

Data element name	Condition	Usage notes
Unique EBT transaction identifier	O	Identifies the Unique EBT transaction identifier that was assigned to the transaction being reported
Workstation ID	C	Mandatory if transaction being retrieved originated from a clinic

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.
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> for the transaction may be used to indicate future benefits, i.e., benefits with a <i>Date, begin benefit</i> greater than the current date.
6.2.3.6	If no benefits exist for the requested <i>WIC MIS account ID</i> or <i>Card number</i> , default values are returned.

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 additional data elements are 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	See 8.6
Date, begin request	M	See 8.6
WIC MIS account ID	C	Mandatory if <i>Card number</i> not present

Data element name	Condition	Usage notes
Type code	C	Mandatory if request is for specific transaction types (Purchase, Void, Expunged/expired, etc.); see Appendix B.10 for values
WIC MIS WIC Vendor ID	O	If provided, only transactions for the specified WIC vendor are retrieved

The following additional 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	The <i>Amount, paid</i> at the transaction level shall equal the sum of the <i>Amount, paid</i> of all of the reported line items less the <i>Amount, discount</i> at the transaction level
Amount, total adjustments	M	Includes adjustments to the transaction for NTE price or other adjustments.
Amount, transaction	M	Original requested amount
Card Acceptor identification code	O	
Card Acceptor terminal identification code	M	
Card number	M	
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
Integrated circuit card (ICC) result code	C	Mandatory for WIC Smart Card EBT transactions only
Message reason code	C	Mandatory if <i>Type code</i> reported is not a purchase; from the WIC auto-reconciliation file “D4 – detail record” or “E2 – addenda record” or “D5 – adjustment record” for both WIC Online and Smart Card EBT; see X9.93:2 for corresponding values
Original Unique EBT transaction identifier	O	For a reversal, refers to the original transaction
POS data code	M	See B.7 for list of sub-elements

Data element name	Condition	Usage notes
Systems trace audit number	M	Mandatory for WIC Online EBT transactions to identify the transaction being reported
Transaction reason code	C	Mandatory for WIC Online EBT if <i>Type code</i> is not an approved purchase. Value is the action code (bit 39); see Table B.2 in X9.93:1 for corresponding values.
Type code	M	Identifies the transaction type (Purchase, Void, Adjustment, etc.); see Appendix B.10 for values
Unique EBT transaction identifier	O	Identifies the Unique EBT transaction identifier that was assigned to the transaction being reported; for redemptions being reported it contains the host assigned unique identifier (e.g., an approval code or the <i>Systems trace audit number</i> from the POS).
WIC MIS account ID	M	
WIC MIS WIC Vendor ID	M	
WIC Vendor peer group ID	M	
The following data elements will be repeated for each food item in the purchase:		
Amount, item discount	O	
Amount, paid	M	The Amount, paid for an individual line item is equal to the <i>Original item price</i> as adjusted for <i>Amount, NTE adjustment</i> and <i>Amount, recoupment adjustment</i> times the approved <i>Purchase quantity</i> ; cannot be less than zero.
Benefit issuance ID	M	Original value from the benefits issued at the <i>WIC MIS account ID</i> level
Benefit unit description	M	only first 6 characters are significant
Category code	M	<i>Category code</i> of the benefit applied to the food item.
Category long description	O	
Clinic ID	C	Mandatory if the Clinic ID was provided with the original issuance of the benefit that was redeemed as part of this transaction.
Date, begin benefit	M	
Date, end benefit	M	
Initiating user ID	C	Mandatory for adjustment transactions if <i>Clinic ID</i> of original transaction being retrieved is present and was provided with the original issuance of the benefit that was redeemed as part of this transaction.
Item action code	C	Mandatory for WIC Online EBT, value is from bit 63-PS-6; see Table B.13 in X9.93:1 for corresponding values.
Item description	M	

Data element name	Condition	Usage notes
Item price	M	The item price 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 food item from the WIC auto-reconciliation addenda record 2 (E2).
Local agency ID	C	Mandatory if the Local agency ID was provided with the original issuance of the benefit that was redeemed as part of this transaction.
Original category code	M	<i>Category code</i> assigned to the UPC or PLU.
Original item price	M	The requested item price before any adjustments
Original purchase quantity	M	Requested purchase quantity as prorated for the specific amount of benefit units redeemed.
Original sub-category code	M	<i>Sub-Category code</i> assigned to the UPC or PLU.
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 as prorated for the specific amount of benefit units redeemed.
Sub-Category code	M	<i>Sub-Category code</i> of the benefit applied to the food item.
Sub-Category long description	O	
Unit of measure	O	
Units	M	the number of units of benefit of this food item redeemed
UPC/PLU data	M	Identifies the UPC or PLU assigned to a food item contains following sub-elements:
UPC/PLU indicator	M	
UPC	C	Mandatory if PLU not present
PLU	C	Mandatory if UPC not present
UPC/PLU check digit	M	
UPC/PLU data length	M	
Voucher number	O	
Workstation ID	C	Mandatory if <i>Clinic ID</i> of original transaction being retrieved is present and was provided with the original issuance of the benefit that was redeemed as part of this transaction.

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.
6.2.4.5	Transactions utilizing multiple Benefit IDs or where redemption straddles the <i>Sub-Category code</i> and <i>Broadband Sub-Category code</i> shall report all details for each food item redeemed.

6.2.5 REPORT DAILY OUTSTANDING LIABILITY

The Report Daily Outstanding Liability function is an optional function that uses a batch based system interface for the WIC EBT System to provide the WIC State Agency's outstanding liability of benefits to be used to reconcile with the WIC MIS. The report is produced daily and covers the 24 hour cutoff period agreed to between the MIS and EBT systems.

The following additional data elements are sent for the Report Daily Outstanding Liability function:

Data element name	Condition	Usage notes
Date and time, transmission	M	File cutoff date and time, in GMT
The following data elements will be repeated for each current and future <i>Sub-Category code</i> within each <i>Category code</i> .		
Category code	M	
Sub-Category code	M	
Benefit quantity	M	The total quantity of benefits for the reported Sub-Category with the Category.
Type code	M	I = current benefit issuance; F = future benefit issuance; see Appendix B.10

The following table lists the processing rules for the Report Daily Outstanding Liability function:

Rule ID	Description
6.2.5.1	<i>Benefit quantity</i> shall not include expired or purged benefits.
6.2.5.2	<i>Benefit quantity</i> shall include any benefits on hold.

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 ¹	Either
Add or Update PIN	Optional	Message based ¹	Either
Get Cardholders/Cards	Required	Message based	Either
Update Card/Cardholder	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

¹This function may be used in a batch mode for conversions of EBT or MIS systems.

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 add an associated *Card number*.

This function is used in a batch system interface for conversion of the MIS or EBT systems. The batch name is WIC Cardholder/Card Conversion File.

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

Data element name	Condition	Usage notes
Address, cardholder mailing	O	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	
Cardholder relationship	O	
Card number	M	
Date of birth, cardholder	O	
Gender	O	
Language code	O	See Appendix B.4 for values
Name, cardholder	M	
Name, first	M	
Name, middle initial	O	
Name, last	M	
Phone number, cardholder	O	
Reason code	O	Default is "C007 - Issued"; see Appendix B.8 for values
Type code	M	Cardholder type (Primary, Secondary, Proxy), see Appendix B.10 for values
WIC MIS account ID	M	

No additional data elements are returned for the Add Cardholder/Card function.

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.

This function may be used in a batch system interface to exchange PINs for conversion of the MIS or EBT systems. The batch name is WIC PIN Conversion File.

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

Data element name	Condition	Usage notes
Action code	M	Add, Update, Unlock; see Appendix B.1 for values
Card number	M	
PIN, encrypted	C	Mandatory when used to add or update the value of the PIN. May require additional data elements as defined by bilateral agreement depending on encryption methodology used

No additional data elements are returned for the Add or Update PIN function.

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.
6.3.2.5	When <i>Action code</i> indicates unlock PIN, the PIN counter of invalid PIN attempts shall be set to zero by the system maintaining the PIN status.

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 additional data elements are 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.
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	
Card number	O	
Date of birth, cardholder	O	
Date, begin request	M	Defaults to the current date, see 6.3.3.2
Date, end request	M	Defaults to the current date, see 6.3.3.2

Data element name	Condition	Usage notes
Name, cardholder	O	
Name, first	O	
Name, middle initial	O	
Name, last	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.9 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.10 for values
WIC MIS account ID	O	

A list of the following additional data elements are returned for the Get Cardholders/Cards function for each card number reported, sorted by card number:

Data element name	Condition	Usage notes
Address, cardholder mailing	O	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	
Card number	M	
Cardholder relationship	O	
Date, effective	M	The date the card/ cardholder being reported was last updated
Date of birth, cardholder	O	
Gender	O	
Language code	O	See Appendix B.4 for values.
Name, cardholder	M	
Name, first	M	
Name, middle initial	O	
Name, last	M	
Phone number, cardholder	O	
PIN status code	O	
Reason code	M	Original <i>Reason code</i> (Issued, Lost, Returned, etc.) sent with the action; see Appendix B.8 for a list of values.
Status code	M	Activated, Valid, etc.; see Appendix B.9 for a list of values.

Data element name	Condition	Usage notes
Type code	M	Cardholder type (Primary, Secondary, and Proxy), see Appendix B.10 for a list of values.
WIC MIS account ID	M	

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, begin request</i> to <i>Date, end request</i> timeframe is not greater than 3 years.

6.3.4 UPDATE CARD/CARDHOLDER

The Update Card/Cardholder 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 without distributing an HCL to WIC Vendors.

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

The following additional data elements are sent for the Update Card/Cardholder function:

Data element name	Condition	Usage notes
Action code	M	Activate, Deactivate, etc., see Appendix B.1 for values
Address, cardholder mailing	O	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	
Cardholder relationship	O	
Card number	M	Original card being replaced

Data element name	Condition	Usage notes
Card number, replacement	C	Mandatory if replacing card, new card number
Date, effective	M	See 8.6
Date of birth, cardholder	O	
Gender	O	
Language code	O	See Appendix B.4 for values
Name, cardholder	O	
Name, first	O	
Name, middle initial	O	
Name, last	O	
Phone number, cardholder	O	
Reason code	M	See Appendix B.8 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.9 for values
Type code	C	Mandatory if changing the Cardholder type (Primary, Secondary, Proxy), see Appendix B.10 for values
WIC MIS account ID	O	

No additional data elements are returned for the Update Card/Cardholder function.

The following table lists the processing rules for the Update Card/Cardholder 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 (method determined by updating system).
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.

Rule ID	Description
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 or at the POS. 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 additional data elements are sent 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	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	
Cardholder relationship	O	
Card number	M	
Card number, replacement	C	Mandatory when card was replaced
Date, effective	M	
Date and time, host	C	Mandatory if update performed at the WIC EBT system.

Data element name	Condition	Usage notes
Date and time, local transaction	C	Mandatory if update performed at POS
Date of birth, cardholder	O	
Gender	O	
Initiating user ID	O	If action originated by WIC MIS system, identifies the user that initiated the action
Language code	O	See Appendix B.4 for values
Name, cardholder	O	
Name, first	O	
Name, middle initial	O	
Name, last	O	
PIN activity code	O	
Phone number, cardholder	O	
Reason code	O	<i>Reason code</i> sent with the action indicated, see Appendix B.8 for values
Status code	O	Resulting <i>Status code</i> from the action indicated, see Appendix B.9 for values
Type code	M	Cannot be changed by WIC EBT system, only reported
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 additional data elements are sent for the Get Card History function:

Data element name	Condition	Usage notes
Card number	C	Mandatory if <i>WIC MIS account ID</i> is not present
Date, begin request	O	If not present, defaults to all dates, see 6.3.6.2
Date, end request	O	If not present, defaults to all dates, see 6.3.6.2

Data element name	Condition	Usage notes
Type code	O	Cardholder type (Primary, Secondary, Proxy), see Appendix B.10 for values
WIC MIS account ID	C	Mandatory if <i>Card number</i> is not present

The following additional data elements are returned for the Get Card History function for each card reported, ordered by *Date, effective* within *Card number*:

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
Cardholder relationship	O	
Card number	M	
Card number, replacement	O	
Date and time, host	C	Mandatory if update completed by WIC EBT system
Date and time, local transaction	C	Mandatory if update completed at POS
Date, effective	M	Of the action being reported
Initiating user ID	O	If action originated by WIC MIS system, identifies the user that initiated the action
Name, cardholder	M	
Name, first	M	
Name, middle initial	O	
Name, last	M	
PIN activity code	O	See B.6 for values
Reason code	M	<i>Reason code</i> sent with the action indicated, see Appendix B.8 for values
Status code	M	Resulting <i>Status code</i> from the action indicated, see Appendix B.9 for values
Type code	M	Resulting Cardholder <i>Type code</i> (Primary, Secondary, Proxy) from the action indicated, see Appendix B.10 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, begin 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 additional data elements are sent for the Generate Hot Card List function:

Data element name	Condition	Usage notes
File name	M	Identifies the file to be generated.

No additional data elements are returned for the Generate Hot Card List function.

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 or Update WIC Vendor	Required	Either	WIC MIS
Add or Update WIC Vendor Hierarchy Information	Optional	Either	WIC EBT system

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

6.4.1 ADD OR UPDATE WIC VENDOR

The Add or Update WIC Vendor function is a required function that uses a message or batch based system interface to establish or modify WIC Vendor information in the WIC EBT System. It is not used to change or update the *Status code* for the WIC Vendor, see 6.4.3.

The batch name is WIC Vendor File.

The following additional data elements are sent for the Add or Update WIC Vendor function and in the WIC Vendor File for the Add or Update 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	see AppendixB.1 for values
Address, WIC Vendor mailing	M	
Address line 1	M	
Address line 2	M	
Address city	M	
Address state	M	
Address ZIP code	M	
Address, WIC Vendor physical	M	
Address line 1	M	
Address line 2	M	
Address city	M	
Address state	M	
Address ZIP code	M	
Amount, total food sales	O	
Bank account number	O	
Bank name	O	
Business name, WIC Vendor	M	

Data element name	Condition	Usage notes
Corporation ID	O	
Date, begin vendor	O	First date the Vendor is active and accepting WIC, see 8.6
Date, effective	M	The date on which the action is to be effective, see 8.6
Date, end vendor	O	Last date the Vendor shall accept WIC, see 8.6
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	M	
Name, first	M	
Name, middle initial	O	
Name, last	M	
Phone number, alternate WIC Vendor contact	O	
Phone number, WIC Vendor contact	M	
Reason code	M	Default is "V006 – Vendor eligible to be paid"; see Appendix B.8 for values
Type code	M	WIC Vendor type (Chain, Independent grocer, etc.), see Appendix B.10 for values
WIC MIS WIC Vendor ID	M	
WIC Vendor peer group ID	M	
WIC Vendor tax ID	O	

The following additional data element is returned for the Add or Update WIC Vendor function when using a message based system interface:

Data element name	Condition	Usage notes
Status code	O	Indicates resulting <i>Status code</i> for Vendor, the default values is "A001 – activated", see Appendix B.9 for values.

The following describes the processing rules associated with the Add or Update 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 requesting system if adding a WIC Vendor and that it already exists for the requesting system if updating a WIC Vendor.
6.4.1.2	Appropriate measures shall be applied to ensure that the security of banking data is maintained.

6.4.2 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 additional data elements are 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	
Address line 1	M	
Address line 2	M	
Address city	M	
Address state	M	
Address ZIP code	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	See 8.6
Email, corporation contact	O	
Hierarchy code	M	Default is "no hierarchy"; see Appendix B.3 for values
Name, corporation contact	M	
Name, first	M	

Data element name	Condition	Usage notes
Name, middle initial	O	
Name, last	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.10 for values

No additional data elements are returned for the Add or Update WIC Vendor Hierarchy information function when using a message based system interface.

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

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

6.4.3 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* (see B.8) provided as follows:

Reason for status update	Reason code	Status assigned
Vendor not WIC EBT certified and functional	V001	On hold or Deactivated
Vendor WIC EBT certified and functional	V002	Activated or Reactivated
Vendor WIC EBT certified only	V003	On hold
Vendor WIC EBT functional only	V004	On hold
Vendor ineligible for reactivation	V005	Deactivated
Vendor eligible to be paid	V006	Activated or Reactivated
Vendor payment withheld	V007	On hold

The batch name is WIC Vendor Status File.

The following additional data elements are sent for the Update WIC Vendor Status message 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	See 8.6
Reason code	M	See Appendix B.8 for values
Status code	M	New status code (Activated, On hold), see Appendix B.9 for values
WIC MIS WIC Vendor ID	M	

No additional data elements are returned for the Update WIC Vendor Status function when used in a message based system interface.

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

Rule ID	Description
6.4.3.1	Validate that the <i>WIC MIS WIC Vendor ID</i> already exists and is active.
6.4.3.2	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.
6.4.3.3	The WIC EBT System shall not accept transactions from a WIC Vendor if it is on hold or once it has been deactivated.
6.4.3.4	The <i>Date, begin vendor</i> and the <i>Date, end vendor</i> are not affected if the vendor is placed on hold.

6.4.4 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 batch name is WIC Vendor Banking Information File.

The following additional data elements are 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

Data element name	Condition	Usage notes
Bank name	O	
Bank account number	M	
Date, effective	M	See 8.6
Status code	O	<i>Status code</i> of the banking information (Activated, Deactivated); see Appendix B.9 for values
WIC MIS WIC Vendor	M	
WIC Vendor tax ID	C	Mandatory if required by the WIC State Agency compliance requirements

No additional data elements are returned for the Update WIC Vendor Banking Information function when used in a message based system interface.

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

Rule ID	Description
6.4.4.1	Validate that the <i>WIC MIS WIC Vendor ID</i> already exists.
6.4.4.2	The WIC EBT System shall update the banking information associated with the WIC Vendor.
6.4.4.3	Appropriate measures shall be applied to ensure that the security of banking data is maintained.

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
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	Optional	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 to be sent for the Get Category Information function.

The following additional 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	O	See 8.6
Date, end category	O	See 8.6

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

Rule ID	Description
6.5.1.1	If <i>Date, begin category</i> and <i>Date, end category</i> were not provided when the <i>Category code</i> was added or updated and they are returned, they reflect the default values.

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 to be sent 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	
Date, begin sub-category	O	See 8.6
Date, end sub-category	O	See 8.6
Sub-Category code	M	
Sub-Category long description	M	
Sub-Category short description	M	
Unit of measure	O	of the Sub-Category

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 Table A.1 in X9.93:2.
6.5.2.2	If <i>Date, begin sub-category</i> and <i>Date, end sub-category</i> were not provided when the <i>Sub-Category code</i> was added or updated and they are returned, they reflect the default values.

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 information derived from the NUPC database used to create the UPC/PLU data file.

The batch name is WIC Category Sub-Category file.

The following additional data elements are sent 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, begin category	O	See 8.6
Date, begin sub-category	O	See 8.6
Date, end category	O	See 8.6
Date, end sub-category	O	See 8.6
Sub-Category code	M	
Sub-Category long description	O	
Sub-Category short description	M	from the <i>Sub-category description</i> data element in the UPC/PLU data file in X9.93:2

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

Rule ID	Description
6.5.3.1	<i>Benefit unit description</i> shall use the values defined in Table A.1 in X9.93:2. The <i>Unit of measure</i> associated with the Sub-Category code is obtained from the National UPC database.
6.5.3.2	The WIC Category Sub-Category file is recommended to be sent as a full replacement of the existing file but may contain only changes to the file.

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 additional data elements are sent 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	Only first 6 characters are significant
Category code	M	
Date, begin UPC/PLU data	M	See 8.6
Date, end UPC/PLU data	C	See 8.6
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	
Rebate flag	M	Identifies whether a food item is eligible for manufacturer rebates; values are “Y” for yes, “N” for no
Sub-Category code	M	
UPC/PLU data	M	Identifies the UPC or PLU assigned to a food item contains following four sub-elements:
UPC/PLU indicator	M	
UPC	C	Mandatory if PLU not present
PLU	C	Mandatory if UPC not present
UPC/PLU check digit	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	C	Mandatory for initial data provided by the MIS system until sufficient data is available for calculation.
WIC Vendor peer group ID	M	

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.

Rule ID	Description
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	All peer group pricing data shall be included for each <i>UPC/PLU data</i> food item identified.

6.5.5 GET UPC/PLU INFORMATION

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

The following additional data elements are 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. Contains following sub-elements:
UPC/PLU indicator	M	
UPC	C	Mandatory if PLU not present
PLU	C	Mandatory if UPC not present
UPC/PLU check digit	M	
UPC/PLU data length	M	

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

Data element name	Condition	Usage notes
Benefit quantity	M	
Benefit unit description	O	Only first 6 characters are significant
Category code	M	
Category code long description	O	
Category code short description	O	
Date, begin category	O	See 8.6
Date, begin sub-category	O	See 8.6
Date, begin UPC/PLU data	M	See 8.6
Date, end category	O	See 8.6

Data element name	Condition	Usage notes
Date, end sub-category	O	See 8.6
Date, end UPC/PLU data	M	See 8.6
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	
Unit of measure	O	of the Sub-Category
UPC/PLU data	M	Contains the following for sub-elements:
UPC/PLU indicator	M	
UPC	C	Mandatory if PLU not present
PLU	C	Mandatory if UPC not present
UPC/PLU check digit	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	C	Mandatory when data initially provided
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).
6.5.5.2	If <i>Date, begin category, Date, end category, Date, begin sub-category</i> and <i>Date, end sub-category</i> were not provided when the <i>Category code</i> and <i>Sub-category codes</i> were added or updated and are they are returned, they reflect the default values.

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 additional data elements are sent for the Generate APL file function:

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

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 8.7.

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 WIC EBT and WIC 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:

- a) 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.
- b) Information is a full historical account (audit trail) of the transaction and the information (*Category code, Sub-Category code, Benefit unit description, Unit of measure, Item description, Benefit begin date and Benefit end date*) that was current and used at the time of the transaction.
- c) *WIC Vendor peer group ID* is provided.

The batch name is WIC Benefit Redemption File.

The following additional data elements are sent 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	The <i>Amount, paid</i> at the transaction level shall equal the sum of the <i>Amount, paid</i> of all of the reported line items less the <i>Amount, discount</i> at the transaction level
Amount, total adjustments	M	The sum of all adjustments to the reported line items
Amount, transaction	M	The original amount of the transaction before any adjustments or discounts
Card acceptor identification code	O	
Card acceptor terminal identification code	M	
Card number	M	

Data element name	Condition	Usage notes
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
Integrated circuit card (ICC) result code	C	Mandatory for WIC Smart Card EBT transactions only
Message reason code	C	Mandatory if <i>Type code</i> is not a purchase; from the WIC auto-reconciliation file “D4 – detail record” or “E2 – addenda record” or “D5 – adjustment record” for both WIC Online and Smart Card EBT; see Table A.9 in X9.93:2 for corresponding values
Original unique EBT transaction identifier	O	For a reversal, refers to the original transaction
POS data code	M	See B.7 for list of sub-elements
Systems trace audit number	M	Identifies the original redemption transaction
Transaction reason code	C	Mandatory for WIC Online EBT, value is the action code (bit 39), see Table B.2 in X9.93:1 for action code values.
Type code	M	Indicates transaction type (Purchase, Void, Adjustment, etc.); See Appendix B.10 for values
Unique EBT transaction identifier	O	Identifies the Unique EBT transaction identifier that was assigned to the transaction being reported; for redemptions being reported it contains the host assigned unique identifier (e.g., an approval code or <i>Systems trace audit number</i>).
WIC MIS account ID	M	
WIC MIS WIC Vendor ID	M	
WIC Vendor peer group ID	M	
The following data elements will be repeated for each food item purchased.		
Amount, item discount	O	
Amount, NTE adjustment	O	
Amount, recoupment adjustment	O	

Data element name	Condition	Usage notes
Amount, paid	M	The Amount, paid for an individual line item is equal to the <i>Original item price</i> as adjusted for <i>Amount, NTE adjustment and Amount, recoupment adjustment</i> times the approved <i>Purchase quantity</i> ; cannot be less than zero.
Benefit issuance ID	O	Original value from the benefits issued at the <i>WIC MIS account ID</i> level.
Benefit unit description	M	Only first 6 characters are significant
Category code	M	<i>Category code</i> of the benefit applied to the food item.
Category long description	O	
Clinic ID	C	Mandatory if the Clinic ID was provided with the original issuance of the benefit that was redeemed as part of this transaction.
Date, begin benefit	M	
Date, end benefit	M	
Initiating user ID	C	Mandatory if <i>Clinic ID</i> of original transaction present and was provided with the original issuance of the benefit that was redeemed as part of this transaction
Item action code	C	Mandatory for WIC Online EBT, value is from bit 63-PS-6; see Table B.13 in X9.93:1 for corresponding values.
Item description	M	
Item price	M	The item price after any adjustments applied.
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.
Local agency ID	C	Mandatory if the Local Agency ID was provided with the original issuance of the benefit that was redeemed as part of this transaction.
Original category code	M	<i>Category code</i> assigned to the UPC or PLU.
Original item price	M	The requested item price before any adjustments.
Original purchase quantity	M	Requested purchase quantity as prorated for the specific amount of benefit units redeemed.
Original sub-category code	M	<i>Sub-Category code</i> assigned to the UPC or PLU.

Data element name	Condition	Usage notes
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 as prorated for the specific amount of benefit units redeemed.
Sub-Category code	M	<i>Sub-Category code</i> of the benefit applied to the food item.
Sub-Category long description	O	
Unit of measure	O	
Units	M	Number of units of benefit of this food item redeemed
UPC/PLU data	M	Contains the following four sub-elements:
UPC/PLU indicator	M	
UPC	C	Mandatory if PLU not present
PLU	C	Mandatory if UPC not present
UPC/PLU check digit	M	
UPC/PLU data length	M	
Voucher number	O	
Workstation ID	C	Mandatory if <i>Clinic ID</i> of original transaction present and was provided with the original issuance of the benefit that was redeemed as part of this transaction

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 the redemption straddles the <i>Sub-Category code</i> and <i>Broadband Sub-Category code</i> , shall report all details for each food item redeemed.

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 eligible to be 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 additional data elements are sent 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 Benefits Purged 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 additional data elements are sent 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	M	
Date and time, host	M	
Date, begin benefit	M	
Date, business	M	
Date, end benefit	M	
The following data elements will be repeated for each <i>Benefit ID</i> reported:		
Benefit quantity	M	
Category code	M	<i>Category code</i> of the benefit applied to the food item.
Category long description	O	
Clinic ID	C	Mandatory if transaction originated from a clinic
Initiating user ID	C	Mandatory if transaction originated from a clinic
Local agency ID	C	Mandatory if transaction originated from a local agency
Reason code	O	
Sub-Category code	M	<i>Sub-Category code</i> of the benefit applied to food item.
Sub-Category long description	O	
Type code	M	Indicates the original transaction <i>Action code</i> used for the benefit maintenance being reported (Issuance, Update information); See Appendix B.10 for values
Unique EBT transaction identifier	O	Identifies the Unique EBT transaction identifier that was assigned to the transaction being reported
Workstation ID	C	Mandatory if transaction originated from a clinic

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 report and FNS policy). 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 *Benefit month* may be determined by the month and year in the *First date to spend* and *Last date to spend* of the benefit issued.

The batch name is WIC Benefit Month Data File.

The following additional data elements are sent in the WIC Benefit Month Data File for the Report WIC Benefit Month Data function:

Data element name	Condition	Usage notes
ACH payment month	M	MMCCYY, identifies the month and year from the <i>Date, effective</i> in the ACH payment of the benefits being reported
Amounts, settled	M	
Benefit month	M	MMCCYY
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 additional data elements are sent for the Add Local Agency function:

Data element name	Condition	Usage notes
Address, local agency	M	
Address line 1	M	
Address line 2	M	
Address city	M	
Address state	M	
Address ZIP code	M	
Business name, local agency	M	
Date, begin local agency	O	See 8.6
Date, end local agency	O	See 8.6
Date, effective	M	See 8.6

Data element name	Condition	Usage notes
Email, local agency contact	O	
Local agency ID	M	
Name, local agency contact	M	
Name, first	M	
Name, middle initial	O	
Name, last	M	
Operating hours	O	
Phone number, local agency contact	M	
Reason code	M	Default is "New", see Appendix B.8 for values

No additional data elements are returned for the Add Local Agency function.

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 requesting 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 additional data elements are 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	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	

Data element name	Condition	Usage notes
Business name, local agency	O	
Date, begin local agency	O	See 8.6
Date, end local agency	O	See 8.6
Date, effective	M	See 8.6
Email, local agency contact	O	
Local agency ID	M	
Name, local agency contact	O	
Name, first	O	
Name, middle initial	O	
Name, last	O	
Operating hours	O	
Phone number, local agency contact	O	
Reason code	M	Relocated, closed, see Appendix B.8 for values

No additional data elements are returned for the Update Local Agency function.

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 requesting 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	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 additional data elements are sent for the Add Clinic function:

Data element name	Condition	Usage notes
Address, clinic	M	
Address line 1	M	
Address line 2	M	
Address city	M	
Address state	M	
Address ZIP code	M	
Business name, clinic	M	
Clinic ID	M	
Date, begin clinic	O	See 8.6
Date, end clinic	O	See 8.6
Date, effective	M	See 8.6
Email, clinic contact	O	
Local agency ID	M	
Name, clinic contact	M	
Name, first	M	
Name, middle initial	O	
Name, last	M	
Operation hours	O	
Phone number, clinic contact	M	
Reason code	M	New clinic, see Appendix B.8 for values

No additional data elements are returned for the Add Clinic function.

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 requesting 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 additional data elements are 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	
Address line 1	O	
Address line 2	O	
Address city	O	
Address state	O	
Address ZIP code	O	
Business name, clinic	M	
Clinic ID	M	
Date, begin clinic	O	See 8.6
Date, end clinic	O	See 8.6
Date, effective	M	See 8.6
Email, clinic contact	O	
Name, clinic contact	O	
Name, first	O	
Name, middle initial	O	
Name, last	O	
Operation hours	O	
Phone number, clinic contact	O	
Reason code	M	Relocated, closed, see Appendix B.8 for values

No additional data elements are returned for the Update Clinic function.

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 requesting 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.

6.9 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. Banking data, specifically the *ABA routing transit number* and *Bank account number*, shall be secured when exchanged between parties.

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 additional data elements are 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, see 8.6. Not the same as the NACHA Effective Entry Date calculated by the EBT system
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.8 for values
Receiving institution identification code	O	Used by sender as additional identifier for entity receiving the file
WIC MIS WIC Vendor ID	M	

No additional data elements are returned for the Request ACH Payment function when used in a message based system interface.

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

Rule ID	Description
6.9.1.1	Validate that the <i>WIC MIS WIC Vendor ID</i> already exists and is valid for the requesting system.
6.9.1.2	Appropriate measures shall be applied to ensure that the security of banking data is maintained.

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 additional data elements are 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	
Corporation ID	C	Mandatory if payment at a hierarchy level other than the WIC Vendor
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 local agency
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.8 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.
6.9.2.2	Appropriate measures shall be applied to ensure that the security of banking data is maintained.

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 WIC 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 WIC 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 system. For these reasons, the WIC MIS system shall be the originator of the functions for this functional area. The WIC MIS system shall transmit benefit data to the WIC EBT system. Based on the data provided by the WIC MIS system, 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:

- a) 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
- b) 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 food 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 6.6.1 provides some of the data used in the calculations.

8.3 WIC EBT AND WIC 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 *Security token* and *Security type* data elements may be exchanged in securing these interfaces.

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 X9.93:1 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:

a) 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.

b) The *Message or file type code* (function) is not supported.

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

c) 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 X9.93:2, 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. Batch files are responded to using the Batch Confirmation File described in 5.2.4.

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 Batch Confirmation File:

- a) WIC EBT Card Updates File
- b) WIC Vendor File
- c) WIC Vendor Corporate Information File
- d) WIC Vendor Status File
- e) WIC Category Sub-Category File
- f) WIC UPC/PLU File
- g) WIC EBA Conversion File
- h) WIC Benefits Conversion File
- i) WIC Card/Cardholder Conversion File
- j) WIC PIN Conversion File

The following batch files only report information and therefore are not required to use a Batch Confirmation File:

- a) WIC Benefit Redemption File
- b) WIC Benefits Purged File
- c) WIC Daily Interface Reconciliation File
- d) 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:

- a) Store the message in a pending status and then re-send it with no limit on the number of re-tries.

- b) Deactivate the EBA account until the message is resolved.
- c) 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.

8.6 USE OF DATE DATA ELEMENTS

The *Date, effective* data element is used in a function to indicate when the function (Add, Update) being performed takes effect and can refer to a future date. The *Date, begin* and *Date, end* data elements are used in reference to a benefit, WIC Vendor, Category, Sub-category, UPC/PLU data, Local Agency, Clinic, or Request) to define the start and end periods for the named item. The following rules apply to the use of date data elements unless otherwise noted for the data element in the function:

- a) If a *Date, begin* data element is not provided, the system shall default to the current date.
- b) If a *Date, end* data element is not provided, the system shall default to no end date (all zeroes).
- c) If the *Date, effective* data element is not provided, they system shall default to the current date.
- d) If a *Date, begin* data element is provided, it shall be greater than or equal to the current date and the *Date, effective* data element associated with the function being performed.
- e) If a *Date, end* data element is provided, it shall be greater than or equal to the current date and the *Date, effective* data element associated with the function being performed and greater than the related *Date, begin* data element.
- f) If the *Date, effective* data element is provided, it shall be greater than or equal to the current date and the existing *Date, effective*.
- g) The *Date, effective*, *Date, begin* and *Date, end* data elements refer to the beginning of the day, i.e., 12:01 a.m.

8.7 VOIDING BENEFITS

The WIC MIS system is responsible for authorizing and updating the benefit balance by WIC Participant or household and may submit requests to void some or all of the benefits to the EBT system. The WIC MIS system is required to submit a balance inquiry to the EBT system to obtain the current balance on a card or account prior to sending a void benefits message or file record. A partial approval of the void request message or file record by the EBT system is not permitted (e.g., void request for 5 gallons of milk with void approval response for 4 gallons of milk). The EBT system tracks the benefits issued, changed or voided in the aggregate for a household.

The MIS is responsible for maintaining the integrity of the *Date, begin benefit* and the *Date, end benefit* data elements 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.

8.8 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:

“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

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

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

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.

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 constructed data elements containing related information, i.e., banking information, food benefit information etc.

Section A.1 defines the allowable ASCII character set and Section A.2 describes the data types used in the Universal Interface. The representation indicates the allowable characters for the data element as shown in Section A.3 as well as the length and any special formatting required.

Data Dictionary			
Data element name	Description	Representation	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	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 where Y = is above and N = is not above volume.	an 1	boolean
ACH payment month	The month and year from the <i>Date, effective</i> in the ACH payment for a benefit.	n 6, MMCCYY	date
ACH settlement time	the ACH cutoff time set by the WIC EBT processor for the WIC Vendor	hhmmss	time
ACH trace number	A number that uniquely identifies an entry detail record within a batch in an ACH input file.	n 15	integer
Acquiring institution ID code	A code identifying the entity acquiring the transaction	n 11	integer
Action code	A code which defines the action to be taken. See Appendix B.1 for values.	n 3	string
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	string
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	string

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Address city	Sub-element of address data elements identifying the city name of the address specified	ansp, max 25	string
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	string
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	string
Address line 1	Sub-element of address data elements identifying the first line of the address specified.	ansp, max 30	string
Address line 2	Sub-element of address data elements identifying the second line, if present, of the address specified.	ansp, max 30	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	string
Address state	Sub-element of address data elements; conforms to the U.S. Post Office state and territory abbreviations.	ansp, max 2	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	string
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	string
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	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	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	string
Amount, ACH payment	The amount to be debited or credited to the WIC Vendor identified	n 10,99999999V99	decimal

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Amount, discount	The amounts deducted from the gross amount of the transaction due to coupons or other reductions in the amount and is the absolute value of the discounts for the transaction	n 12	decimal
Amount, item discount	The amount deducted from the Item price for an individual food item; not available in X9.93.	n 12	decimal
Amount, NTE adjustment	The amount of the adjustment applied to the price of a food item due to the original item price being in excess of the not to exceed amount for the peer group of the vendor, not available in X9.93	n 6	decimal
Amount, recoupment adjustment	The amount of the adjustment applied to the price of a food item by the WIC State Agency, not available in X9.93.	n 6	decimal
Amount, paid	The amount paid to a WIC Vendor for a purchase transaction less any discounts or adjustments. The <i>Amount, paid</i> at the transaction level shall equal the sum of the <i>Amount, paid</i> of all of the reported line items less the <i>Amount, discount</i> at the transaction level. The <i>Amount, paid</i> for an individual line item is equal to the <i>Original item price</i> as adjusted for <i>Amount, NTE adjustment</i> and <i>Amount, recoupment adjustment</i> times the approved <i>Purchase quantity</i> ; cannot be less than zero.	n 12	decimal
Amount, total food sales	The volume of total food sales reported by the WIC Vendor.	n 12	decimal
Amount, total adjustments	Sum of all adjustments made to the Item prices of the individual food items for a transaction.	n 13	decimal
Amount, transaction	Amount requested by the cardholder in the local currency of the acquirer or source location of the transaction including any surcharges	n 12	decimal
Amounts, settled	Total of funds to be transferred between the parties identified; from Total settlement amount in X9.93:2.	x + n 12	signed decimal
Bank account number	The number identifying the WIC Vendor's bank checking account.	n 17	long
Bank name	The business entity holding the bank account of the WIC Vendor	aps, max 10	

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Benefit issuance ID	A unique number identifying a benefit issuance; assigned by the WIC MIS system.	an 20	string
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	n 6, MMCCYY	date
Benefit quantity	The quantity of a food item defined in the sender's specified benefit issuance unit of measure	n 5	decimal
Benefit quantity, active hold	The quantity of a food 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	decimal
Benefit quantity, available	The quantity of a food item defined in the sender's specified benefit issuance unit of measure available for purchase	n 5	decimal
Benefit quantity, expired	The quantity of a food item defined in the sender's specified benefit issuance unit of measure that have passed the last day to spend	n 5	decimal
Benefit quantity, issued	The quantity of a food item defined in the sender's specified benefit issuance unit of measure issued	n 5	decimal
Benefit quantity, redeemed	The quantity of a food item defined in the sender's specified benefit issuance unit of measure redeemed in a purchase	x + n 5	signed decimal
Benefit quantity, voided by WIC MIS	The quantity of a food item defined in the sender's specified benefit issuance unit of measure that has been voided	n 5	decimal
Benefit unit description	text description of the originator's specified benefit issuance unit of measure, e.g., can , pkg, jar	ans, max 50, only first 6 characters are significant; see table A.1 in X9.93:2 for values.	string
Business name, clinic	Business name of the clinic.	anps, max 50	string
Business name, corporation	Business name of the corporation.	anps, max 50	string
Business name, local agency	Business name of the local agency.	anps, max 50	string
Business name, WIC Vendor	Business name of the WIC Vendor.	anps, max 50	string
Card acceptor identification code	A code assigned by the acquirer to identify the WIC Vendor that defines the point of service	an 15	string
Card acceptor terminal identification code	A unique value that identifies the terminal at the WIC Vendor location	anp 8	string

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Card capture capability	A sub-element of POS data code that indicates whether or not the terminal has the ability to capture a card.	an 1, see B.7	string
Card data input capability	A sub-element of POS data code that indicates the primary means of getting the information on the card into the terminal.	an 1, see B.7	string
Card data input mode	A sub-element of POS data code that indicates the method used to input the information from the card to the terminal.	an 1, see B.7	string
Card data output capability	A sub-element of POS data code that indicates the ability of the terminal to update the card.	an 1, see B.7	string
Card present	A sub-element of POS data code that indicates if the card is present at the POS or not.	an 1, see B.7	string
Cardholder authentication capability	A sub-element of POS data code that indicates the primary means of verifying the cardholder at this terminal.	an 1, see B.7	string
Cardholder authentication entity	A sub-element of POS data code that indicates the entity verifying the cardholder.	an 1, see B.7	string
Cardholder authentication method	A sub-element of POS data code that indicates the method for verifying the cardholder.	an 1, see B.7	string
Cardholder present	A sub-element of POS data code that indicates if the cardholder is present at the POS or not and if not why not.	an 1, see B.7	string
Cardholder relationship	A description of the unique relationship of the WIC Cardholder to an account or the WIC Participant.	ansp 30	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	string
Card number, replacement	A series of digits used to identify the new customer account or relationship	n, max 19	string
Category code	A code identifying the type of product as defined in the National UPC database.	n 2	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	string

Data Dictionary, continued			
Data element name	Description	Representation	Data type
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	string
Clinic ID	WIC MIS assigned identifier for a clinic.	n 10	integer
Corporation ID	A unique number assigned to a corporation to which WIC Vendors may be associated.	n 12	integer
Count, detail records	Count of detail records contained in the file	n 9	int
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	dateTime
Date and time, local transaction	Date/time when a transaction occurred based on date and time of WIC Vendor system	CCYYMMDDhhmmss	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	dateTime
Date, begin benefit	First date on which benefits may be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	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	date
Date, begin clinic	First date on which the clinic is active expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, begin local agency	First date on which the Local Agency is active expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, begin request	Beginning of period being referenced for this function expressed in GMT in accordance with ISO 8601.	CCYYMMDD	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	date
Date, begin UPC/PLU data	The date for which the UPC/PLU data shall become available for use expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, begin vendor	The first date the vendor is active and may accept transactions expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date

Data Dictionary, continued			
Data element name	Description	Representation	Data type
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	date
Date, effective	Date and time when an action is in effect expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, end benefit	Last date on which benefits may be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, end category	The last date for which the Category code shall be used expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, end clinic	Last date on which the clinic is active expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, end local agency	Last date on which the Local Agency is active expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date, end request	End of period being referenced for this function expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
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	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	date
Date, end vendor	The last date the vendor shall accept WIC expressed in GMT in accordance with ISO 8601.	CCYYMMDD	date
Date of birth, cardholder	Month, day and year the cardholder was born expressed in GMT in accordance with ISO 8601.	CCYYMMDD	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	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	date
Direct connect auto-recon flag	A flag indicating whether a WIC Auto-reconciliation file is generated for the WIC Vendor location.	a 1, Y = yes, N = no	string

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Direct connect flag	A flag indicating if the WIC Vendor connects directly to the WIC EBT System	a 1, Y = yes, N = No	string
Email, corporation contact	Email address of a point of contact at the corporation.	anp 254	string
Email, local agency contact	Email address of a point of contact at the local agency	anp 254	string
Email, WIC Vendor contact	Email address of a point of contact at the WIC Vendor location.	anp 254	string
File format version	The standard on which the record within the file are based	n 2	string
File name	The actual or abbreviated name of the file being accessed	anp 40	string
File sequence number	A unique number that is incremented by 1 for each file that is successfully transferred	n 6	integer
First date to spend	First day that benefits for the period are available for purchase	CCYYMMDD	date
FNS number	Number assigned by the Supplemental Nutrition Assistance Program (SNAP) to a retail location	n 11	long
Forwarding institution ID code	The identity of the institution forwarding the information	n 11	long
Function return code	A value returned in a message based system interface to explicitly indicate the information sent was received and the action taken. Also, a value returned in the Batch confirmation file indicating the action taken on the record being reported. See Appendix B.2 for values.	n 4	short
Gender	A value indicating whether the person being identified is male or female	a 1, F = female, M = male, blank if not used	string
Hierarchy code	A value indicating the position of the WIC Vendor location within the corporation hierarchy. See Appendix B.3 for values.	n 1	byte
Initiating user ID	An identifier assigned to a WIC MIS user that is used to track activity in the system.	ansp 50	string
Integrated circuit card (ICC) result code	A value indicating the result outcome of the ICC read at the POS, see Table A.8 in X9.93:2 for values.	ans 6	integer
Item action code	Code indicating the action taken on an item; corresponds to bit 62-PS-6, see Table B.13 in X9.93:1 for values.	n 2	byte

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Item description	A name for a WIC food item	anp 50	string
Item price	The purchase amount assigned to one unit of a food item.	n 6	decimal
Language code	A code indicating the preferred language spoken by the person identified. See Appendix B.4 for values.	n 1	byte
Last date to spend	Last day that benefits for the period are available for purchase	CCYYMMDD	date
Line item ID	Unique identifier for a line item within a transaction	n 6	int
Local agency ID	WIC MIS assigned identifier that uniquely identifies a local agency within the WIC State Agency.	an 10	string
Manual voucher indicator	A flag indicating if a food item is allowed for purchase with a manual voucher	n 1	byte
Message reason code	Provide the receiver of a request, advice or notification message with the reason or purpose of that message; see Table A.9 in X9.93:2 for values.	n 4	short
Message or file type code	A value that identifies the function being performed, see B.5 for values.	n 4	short
Message version	A value that identifies which version of a message is being used in a message based system interface	anp 20	string
Name, cardholder	A constructed data element including the sub-elements Name, first, Name, middle initial, Name, last and Name, suffix for the cardholder.	anps, 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.	anps, max 47	tns:PersonObject
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.	anps, max 47	tns:PersonObject
Name, first	Sub-element of name data elements	anps, max 20	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	anps, max 47	tns:PersonObject
Name, last	Sub-element of name data elements	anps, max 20	string

Data Dictionary, continued			
Data element name	Description	Representation	Data type
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.	naps, max 47	tns:PersonObject
Name, middle initial	Sub-element of name data elements	anps, max 1	string
Name, suffix	Sub-element of name data elements	anps 6	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.	anps, 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	decimal
Number of WIC Vendor peer groups	Number of iterations of WIC Vendor peer groups and NTE prices for those groups	n 2	byte
Operating environment	A sub-element of POS data code that indicates if the terminal is attended by the Card acceptor and its location.	an 1, see B.7	string
Operation hours	The times of day when entity is available	n 12, hhmmsshhmmss in 24 hour format	string
Original category code	A code identifying the requested type of product as defined in the National UPC database.	n 2	string
Original item price	The original purchase amount for a single food item in the original request	n 6	decimal
Original line number	The original number of a line in a file where each line is terminated with a "CR" and/or "LF" character	n 7	integer
Original message or file type code	The original value that identified the function performed, see B.5 for values.	n 4	short
Original purchase quantity	The number of food items or quantity of a food item originally requested in the Unit of measure associated with the UPC/PLU, also called the exchange size	n 5	decimal
Original sub-category code	A code further identifying the requested type of product as defined in the National UPC database.	n 3	string
Original systems trace audit number	The original number assigned by the message initiator to uniquely identify a transaction in WIC redemption processing	n 6	int

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Original Unique EBT transaction identifier	the original Unique EBT transaction identifier number that was assigned to a redemption or reversal/void transaction by the WIC EBT system interface.	n 18	long
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	n 11	long
Package size	The size of the contents of the package quantified in the standard benefit units of measure	n 5, 9(3)v99	decimal
Phone number, alternate corporation contact	Other phone number for a point of contact at the corporation	n 10	string
Phone number, alternate WIC Vendor contact	An alternate phone number of a point of contact at the WIC Vendor.	n 10	string
Phone number, cardholder	Phone number for cardholder.	n 10	string
Phone number, clinic contact	Phone number for the clinic.	n 10	string
Phone number, corporation contact	Phone number for the corporation	n 10	string
Phone number, local agency contact	Phone number for the local agency.	n 10	string
Phone number, WIC Vendor contact	The phone number for a point of the contact at the WIC Vendor.	n 10	string
PIN activity code	A code identifying changes made to the PIN associated with the card	an 4	string
PIN capture capability	A sub-element of POS data code indicating the length of PIN which a terminal is capable of capturing.	an 1, see B.7	string
PIN, encrypted	A number assigned to a cardholder intended to uniquely identify that cardholder at the point of service; encrypted block	b 8	string
PIN status code	A code identifying whether the PIN associated with the card is locked or unlocked	a 1, N = unlocked (default), Y = locked	string
Point of service (POS) data code	A series of code intended to identify terminal capability, terminal environment and presentation security data.	an 12, see B.7	string
Price look-up (PLU)	A code indicating the kind of price being sent in the record; right-justified and zero-filled.	n 15	string

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Price type	A code indicating the kind of price being sent in the record; see Table B.12 in X9.93:1 for values.	an 2	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	byte
Purchase quantity	The number of food items or quantity of a food item being purchased in the Unit of measure associated with the UPC/PLU, also called the exchange size	n 5	decimal
Reason code	Reason for an action; see Appendix B.8 for values	an 4	
Rebate flag	A flag indicating that a food item is eligible for rebate to the WIC State Agency	n 1	byte
Receiving institution identification code	Code identifying the entity receiving the message or batch	n 11	long
Record sequence number	A sequential number assigned to each record within a batch by the batch sender	n 6	int
Rejected line count	The number lines in a file that were rejected where each line is terminated with a "CR" or "LF" character.	n 7	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.	ansp 50	string
Security type	User ID, password, or Security token used to authenticate the file	an 1	string
Status code	A code indicating the status of the entity indicated. See Appendix B.9 for values.	an 4	string
Sub-Category code	A code further identifying the type of product within a Category code as defined in the National UPC database.	n 3	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	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 24	string

Data Dictionary, continued			
Data element name	Description	Representation	Data type
Systems trace audit number	A number assigned by the message initiator to uniquely identify a transaction in WIC redemption processing	n 6	int
Terminal output capability	A sub-element of POS data code indicating the ability of the terminal to print/display messages.	an 1, see B.7	string
Transaction reason code	Provides the reason the transaction was declined or adjusted. Value is the Action code (bit 39) for WIC Online EBT, see Table B.2 in X9.93:1 for action code values.	n 4	short
Type code	A code indicating the kind of entity being acted or reported upon in the function, See Appendix B.10 for values.	an 1	string
Unique EBT transaction identifier	A number assigned by the sender that uniquely identifies a transaction within the WIC MIS and WIC EBT system interface.	n 18	long
Unit of measure	A determinant amount or quantity adopted as a standard of measurement, e.g., gallons, pounds, etc. applied to an individual food item; see ANS 260.1 for list of values.	an 10	string
Units	Number of benefit units of an item being reported	n 5, 9(3)v99	decimal
UPC/PLU check digit	A calculated value derived using the UPC-A check digit algorithm from GS1	n 1	byte
UPC/PLU data	Information identifying the UPC or PLU assigned to a food item; see Technical Implementation Guide for formatting.	n 17	string
UPC/PLU data length	Indicate the number of significant digits in the UPC or PLU	n 2	byte
UPC/PLU indicator	Indicates whether the data is a UPC (value = 0) or a PLU (value = 1)	n 1	boolean
Universal product code (UPC)	A code assigned by individual parties to identify a product as define in ISO/IEC 15420; right justified and zero-filled.	n 15	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	string
Voucher number	The number assigned to a paper sales draft issued to the WIC Participant	an 15	string
WIC EBT system ID	Value identifying the WIC EBT system	n 3	short

Data Dictionary, continued			
Data element name	Description	Representation	Data type
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	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	string
WIC MIS system ID	Value identifying the WIC Management Information System	n 3	short
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	string
WIC State Agency ID	Value assigned by FNS to identify the WIC Authority; see Table A.15 in X9.93:2 for values.	n 3	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	int
WIC Vendor tax ID	A value identifying the federal and/or state tax identification number assigned to the WIC Vendor	n 9	int
Workstation ID	A value identifying the workstation initiating the function.	an 20	string

A.1 Universal Interface ASCII Character Set usage

Only the shaded characters in the following table shall be used in Universal Interface messages and batch files with the further restrictions noted in the last column.

Table Legend:

Char	The printed representation of the character, if any
Dec	The decimal code for the character
Row/Col	The decimal row/column representation for the character
Oct	The octal (base 8) code for the character
Hex	The hexadecimal (base 16) code for the character

Note: Code 32 (decimal) is a nonprinting spacing character. Codes 33 through 122 (decimal) are printable graphic characters.

ASCII Character Set usage							
Char	Dec	Col/Row	Oct	Hex	Name	Description	Note
	0	00/00	0	0	NUL (Ctrl-@)	NULL	
	1	00/01	1	1	SOH (Ctrl-A)	START OF HEADING	
	2	00/02	2	2	STX (Ctrl-B)	START OF TEXT	
	3	00/03	3	3	ETX (Ctrl-C)	END OF TEXT	
	4	00/04	4	4	EOT (Ctrl-D)	END OF TRANSMISSION	
	5	00/05	5	5	ENQ (Ctrl-E)	ENQUIRY	
	6	00/06	6	6	ACK (Ctrl-F)	ACKNOWLEDGE	
	7	00/07	7	7	BEL (Ctrl-G)	BELL (Beep)	
	8	00/08	10	8	BS (Ctrl-H)	BACKSPACE	
	9	00/09	11	9	HT (Ctrl-I)	HORIZONTAL TAB	
	10	00/10	12	0A	LF (Ctrl-J)	LINE FEED	
	11	00/11	13	0B	VT (Ctrl-K)	VERTICAL TAB	
	12	00/12	14	0C	FF (Ctrl-L)	FORM FEED	
	13	00/13	15	0D	CR (Ctrl-M)	CARRIAGE RETURN	
	14	00/14	16	0E	SO (Ctrl-N)	SHIFT OUT	
	15	00/15	17	0F	SI (Ctrl-O)	SHIFT IN	
	16	01/00	20	10	DLE (Ctrl-P)	DATA LINK ESCAPE	
	17	01/01	21	11	DC1 (Ctrl-Q)	DEVICE CONTROL 1 (XON)	
	18	01/02	22	12	DC2 (Ctrl-R)	DEVICE CONTROL 2	
	19	01/03	23	13	DC3 (Ctrl-S)	DEVICE CONTROL 3 (XOFF)	
	20	01/04	24	14	DC4 (Ctrl-T)	DEVICE CONTROL 4	
	21	01/05	25	15	NAK (Ctrl-U)	NEGATIVE ACKNOWLEDGE	
	22	01/06	26	16	SYN (Ctrl-V)	SYNCHRONOUS IDLE	

ASCII Character Set usage							
Char	Dec	Col/Row	Oct	Hex	Name	Description	Note
	23	01/07	27	17	ETB (Ctrl-W)	END OF TRANSMISSION BLOCK	
	24	01/08	30	18	CAN (Ctrl-X)	CANCEL	
	25	01/09	31	19	EM (Ctrl-Y)	END OF MEDIUM	
	26	01/10	32	1A	SUB (Ctrl-Z)	SUBSTITUTE	
	27	01/11	33	1B	ESC (Ctrl-])	ESCAPE	
	28	01/12	34	1C	FS (Ctrl-\)	FILE SEPARATOR	
	29	01/13	35	1D	GS (Ctrl-])	GROUP SEPARATOR	
	30	01/14	36	1E	RS (Ctrl-^)	RECORD SEPARATOR	
	31	01/15	37	1F	US (Ctrl-_)	UNIT SEPARATOR	
()	32	02/00	40	20		SPACE	
(!)	33	02/01	41	21		EXCLAMATION MARK	
(")	34	02/02	42	22		QUOTATION MARK	
(#)	35	02/03	43	23		NUMBER SIGN	
(\$)	36	02/04	44	24		DOLLAR SIGN	
(%)	37	02/05	45	25		PERCENT SIGN	1
(&)	38	02/06	46	26		AMPERSAND	
(')	39	02/07	47	27		APOSTROPHE	1
(())	40	02/08	50	28		LEFT PARENTHESIS	1
())	41	02/09	51	29		RIGHT PARENTHESIS	1
(*)	42	02/10	52	2A		ASTERISK	
(+)	43	02/11	53	2B		PLUS SIGN	1
(,)	44	02/12	54	2C		COMMA	
(-)	45	02/13	55	2D		HYPHEN, MINUS SIGN	
(.)	46	02/14	56	2E		PERIOD, FULL STOP	
(/)	47	02/15	57	2F		SOLIDUS, SLASH	
(0)	48	03/00	60	30		DIGIT ZERO	
(1)	49	03/01	61	31		DIGIT ONE	
(2)	50	03/02	62	32		DIGIT TWO	
(3)	51	03/03	63	33		DIGIT THREE	
(4)	52	03/04	64	34		DIGIT FOUR	
(5)	53	03/05	65	35		DIGIT FIVE	
(6)	54	03/06	66	36		DIGIT SIX	
(7)	55	03/07	67	37		DIGIT SEVEN	
(8)	56	03/08	70	38		DIGIT EIGHT	
(9)	57	03/09	71	39		DIGIT NINE	
(:)	58	03/10	72	3A		COLON	1
(;)	59	03/11	73	3B		SEMICOLON	1
(<)	60	03/12	74	3C		LESS-THAN SIGN, LEFT ANGLE BRACKET	

ASCII Character Set usage							
Char	Dec	Col/Row	Oct	Hex	Name	Description	Note
(=)	61	03/13	75	3D		EQUALS SIGN	1
(>)	62	03/14	76	3E		GREATER-THAN SIGN, RIGHT ANGLE BRACKET	
(?)	63	03/15	77	3F		QUESTION MARK	1
(@)	64	04/00	100	40		COMMERCIAL AT SIGN	1
(A)	65	04/01	101	41		CAPITAL LETTER A	
(B)	66	04/02	102	42		CAPITAL LETTER B	
(C)	67	04/03	103	43		CAPITAL LETTER C	
(D)	68	04/04	104	44		CAPITAL LETTER D	
(E)	69	04/05	105	45		CAPITAL LETTER E	
(F)	70	04/06	106	46		CAPITAL LETTER F	
(G)	71	04/07	107	47		CAPITAL LETTER G	
(H)	72	04/08	110	48		CAPITAL LETTER H	
(I)	73	04/09	111	49		CAPITAL LETTER I	
(J)	74	04/10	112	4A		CAPITAL LETTER J	
(K)	75	04/11	113	4B		CAPITAL LETTER K	
(L)	76	04/12	114	4C		CAPITAL LETTER L	
(M)	77	04/13	115	4D		CAPITAL LETTER M	
(N)	78	04/14	116	4E		CAPITAL LETTER N	
(O)	79	04/15	117	4F		CAPITAL LETTER O	
(P)	80	05/00	120	50		CAPITAL LETTER P	
(Q)	81	05/01	121	51		CAPITAL LETTER Q	
(R)	82	05/02	122	52		CAPITAL LETTER R	
(S)	83	04/03	123	53		CAPITAL LETTER S	
(T)	84	05/04	124	54		CAPITAL LETTER T	
(U)	85	05/05	125	55		CAPITAL LETTER U	
(V)	86	05/06	126	56		CAPITAL LETTER V	
(W)	87	05/07	127	57		CAPITAL LETTER W	
(X)	88	05/08	130	58		CAPITAL LETTER X	
(Y)	89	05/09	131	59		CAPITAL LETTER Y	
(Z)	90	05/10	132	5A		CAPITAL LETTER Z	
([)	91	05/11	133	5B		LEFT SQUARE BRACKET	1
(\)	92	05/12	134	5C		REVERSE SOLIDUS (BACKSLASH)	1
(])	93	05/13	135	5D		RIGHT SQUARE BRACKET	1
(^)	94	05/14	136	5E		CIRCUMFLEX ACCENT	1
(_)	95	05/15	137	5F		LOW LINE, UNDERLINE	
(`)	96	06/00	140	60		GRAVE ACCENT	
(a)	97	06/01	141	61		SMALL LETTER a	

ASCII Character Set usage							
Char	Dec	Col/Row	Oct	Hex	Name	Description	Note
(b)	98	06/02	142	62		SMALL LETTER b	
(c)	99	06/03	143	63		SMALL LETTER c	
(d)	100	06/04	144	64		SMALL LETTER d	
(e)	101	06/05	145	65		SMALL LETTER e	
(f)	102	06/06	146	66		SMALL LETTER f	
(g)	103	06/07	147	67		SMALL LETTER g	
(h)	104	06/08	150	68		SMALL LETTER h	
(i)	105	06/09	151	69		SMALL LETTER i	
(j)	106	06/10	152	6A		SMALL LETTER j	
(k)	107	06/11	153	6B		SMALL LETTER k	
(l)	108	06/12	154	6C		SMALL LETTER l	
(m)	109	06/13	155	6D		SMALL LETTER m	
(n)	110	06/14	156	6E		SMALL LETTER n	
(o)	111	06/15	157	6F		SMALL LETTER o	
(p)	112	07/00	160	70		SMALL LETTER p	
(q)	113	07/01	161	71		SMALL LETTER q	
(r)	114	07/02	162	72		SMALL LETTER r	
(s)	115	07/03	163	73		SMALL LETTER s	
(t)	116	07/04	164	74		SMALL LETTER t	
(u)	117	07/05	165	75		SMALL LETTER u	
(v)	118	07/06	166	76		SMALL LETTER v	
(w)	119	07/07	167	77		SMALL LETTER w	
(x)	120	07/08	170	78		SMALL LETTER x	
(y)	121	07/09	171	79		SMALL LETTER y	
(z)	122	07/10	172	7A		SMALL LETTER z	
({)	123	07/11	173	7B		LEFT CURLY BRACKET, LEFT BRACE	1
()	124	07/12	174	7C		VERTICAL LINE, VERTICAL BAR	1
(})	125	07/13	175	7D		RIGHT CURLY BRACKET, RIGHT BRACE	1
(~)	126	07/14	176	7E		TILDE	1
	127	07/15	177	7F	RUB (Ctrl-?)	RUBOUT (DELETE)	

Notes:

1) Allowed in data elements where special characters are allowed (ansp or ans format) except for name and address data elements.

A.2 Data Types

The data types listed below are fundamental data types that may be used in WIC EBT. Computer languages and database management systems may or may not support all these data types. Implementation of the data types is left to the discretion of the developer.

Data type	Description	Flat file format	XML type
Boolean	true or false	T/F or Y/N	xs:boolean
Integer	a number without a decimal	9..9	xs:integer
Decimal	a number with a decimal point of specific precision where length is expressed as total field width followed by the number of decimal points	9..99v99	xs:decimal
String	text as a series of ASCII or Unicode characters.	XX..xx or AA..AA	xs:string
Date	Date part	CCYYMMDD	xs:date
Time	Time part	hhmmss	xs:time

A.3 Representation Abbreviations

The description of the permissible content of a data element is indicated via abbreviations as shown below. These symbols and abbreviations are compatible with those defined in the ISO 7372 standard.

All fixed length "n" data elements are assumed to be right justified with leading zeroes. All other fixed length data elements are left justified with trailing spaces. In all "b" data elements, blocks of 8 bits are assumed to be left justified with trailing zeroes. All data elements are counted from left to right; i.e. the leftmost position is number 1.

Abbreviation	Definition
..17	Variable length up to maximum 17 characters. All variable length fields shall in addition contain two three or four positions at the beginning of the data element to identify the number of positions following to the end of that data element.
3	Fixed length of three characters.
a	Alphabetical characters, A through Z and a through z.
an	Alphabetic and numeric characters.
anp	Alphabetic, numeric and space (pad) characters.
ans	Alphabetic, numeric and special characters.
ansb	Alphabetic, numeric, special characters and binary representation of data.
as	Alphabetic and special characters.
b	Binary representation of data, grouped into blocks of 8 bits where the length indicates the number of blocks.
CCYY	Century and year, 0000 through 9999 (see ISO 8601).
DD	Day, 01 through 31.
hh	Hour, 00 through 23.
LL	Length of variable data element that follows, 01 through 99.
LLL	Length of variable data element that follows, 001 through 999.
LLLL	Length of variable data element that follows, 0001 through 9999.
MM	Month, 01 through 12.
mm	Minute, 00 through 59.

Abbreviation	Definition
n	Numeric digits, 0 through 9.
ns	Numeric and special characters.
p	Pad character (i.e. space).
s	Special characters.
ss	Second, 00 through 59.
VAR	Variable length data element.
xn	Numeric data with a preceding sign of "C" for credit, "D" for debit, e.g. xn 17 in Amount, amounts additional means prefix "C" or "D" and 16 digits of amount as allowed by the type of file.
YY	Year, 00 through 99.
z	Tracks 2 and 3 code set as defined in ISO 4909 and ISO 7813.

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. Requests for new code values are to be submitted to FNS.

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
004	Reserved
005	Reactivate or Unlock
006	Hold
007-998	Reserved
999	PIN change activity

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 that shall be used. *Function return code* values may correspond to the WIC EBT Technical Implementation Guide Annex A, Table 47 – Error Identifier Code values. If a value does not exist in that table or in Table B.2 that addresses the condition being identified, then a new value may be requested through FNS.

Table B.2 Function return codes

Value	Description
0000	No error
0001	Accepted
0002	Rejected
0003	Unknown
0004	Modified
0005	Account does not have a primary cardholder
0006	Additional Amount, recoupment adjustment would exceed maximum for WIC vendor

Function return codes, continued

Value	Description
0007	Address, household mailing is missing
0008	Batch file corruption or other general processing error
0009	Benefit timeframe provided doesn't match to a Category/Sub-Category code balance with sufficient quantity to post the entire debit
0010	Benefit timeframe provided would overlap an existing benefit timeframe
0011	Cannot read benefits
0012	Card has no benefits
0013	Card must be reset before issuance is allowed
0014	Card number has already been issued
0015	Card number is not known to the EBT System
0016	Card number provided doesn't match with the WIC MIS account ID
0017	Card number, replacement has already been issued
0018	Card was removed
0019	Cardholder name is a duplicate for the household
0020	Category/Sub-category combination is not active
0021	Clinic ID already exists
0022	Clinic ID is unknown to the EBT System
0023	Database communication error
0024	Date, begin benefit cannot be before Date, end benefit
0025	Date, end request cannot be before Date, start request
0026	Date, end vendor cannot be before Date, begin vendor
0027	Dual PIN blocks do not match
0028	Duplicate file has already been processed
0029	EBA is not active
0030	Failure writing interaction
0031	File archival failed
0032	File integrity error - duplicate file
0033	File integrity error - trailer total(s) do not match
0034	File was not properly zipped
0035	General authenticate error
0036	General change PIN error
0037	General diagnostics failure
0038	General hot card failure
0039	General issuance failure
0040	General over write failure
0041	General PIN unlock error
0042	General replacement initiation error
0043	General reset issuance failure
0044	General write demographic error
0045	Hot card counterfeit
0046	Hot card damaged
0047	Hot card damaged after delivery
0048	Hot card dual participation
0049	Hot card failed to function
0050	Hot card failed to function after delivery
0051	Hot card lost
0052	Hot card missing
0053	Hot card no reason
0054	Hot card not hot
0055	Hot card partial transfer
0056	Hot card stolen

Function return codes, continued

Value	Description
0057	Hot card transfer
0058	Hot card undelivered
0059	Hot card unknown reason
0060	Invalid card Status/Reason code combination
0061	Invalid data error
0062	Invalid or missing Amount, recoupment adjustment
0063	Invalid or missing processing month
0064	Invalid or missing Record sequence number
0065	Invalid or missing Type code of Amount, recoupment adjustment
0066	Invalid PIN attempts
0067	Invalid/missing ABA routing transit number of WIC Vendor
0068	Invalid/missing Above fifty percent (A50) vendor flag
0069	Invalid/missing ACH settlement time
0070	Invalid/missing Acquiring institution ID code
0071	Invalid/missing Action code
0072	Invalid/missing Address city of Address, cardholder mailing
0073	Invalid/missing Address city of Address, clinic
0074	Invalid/missing Address city of Address, household mailing
0075	Invalid/missing Address city of Address, local agency
0076	Invalid/missing Address city of Address, WIC Vendor mailing
0077	Invalid/missing Address city of Address, WIC Vendor physical
0078	Invalid/missing Address line 1 of Address, cardholder mailing
0079	Invalid/missing Address line 1 of Address, clinic
0080	Invalid/missing Address line 1 of Address, household mailing
0081	Invalid/missing Address line 1 of Address, local agency
0082	Invalid/missing Address line 1 of Address, WIC Vendor mailing
0083	Invalid/missing Address line 1 of Address, WIC Vendor physical
0084	Invalid/missing Address line 2 of Address, cardholder mailing
0085	Invalid/missing Address line 2 of Address, clinic
0086	Invalid/missing Address line 2 of Address, corporation mailing
0087	Invalid/missing Address line 2 of Address, household mailing
0088	Invalid/missing Address line 2 of Address, local agency
0089	Invalid/missing Address line 2 of Address, WIC Vendor mailing
0090	Invalid/missing Address line 2 of Address, WIC Vendor physical
0091	Invalid/missing Address state of Address, cardholder mailing
0092	Invalid/missing Address state of Address, clinic
0093	Invalid/missing Address state of Address, household mailing
0094	Invalid/missing Address state of Address, local agency
0095	Invalid/missing Address state of Address, WIC Vendor mailing
0096	Invalid/missing Address state of Address, WIC Vendor physical
0097	Invalid/missing Address ZIP code of Address, cardholder mailing
0098	Invalid/missing Address ZIP code of Address, clinic
0099	Invalid/missing Address ZIP code of Address, household mailing
0100	Invalid/missing Address ZIP code of Address, local agency
0101	Invalid/missing Address ZIP code of Address, WIC Vendor mailing
0102	Invalid/missing Address ZIP code of Address, WIC Vendor physical
0103	Invalid/missing Amount, ACH payment
0104	Invalid/missing Amount, discount
0105	Invalid/missing Amount, NTE adjustment
0106	Invalid/missing Amount, paid
0107	Invalid/missing Amount, total adjustments

Function return codes, continued

Value	Description
0108	Invalid/missing Amount, total food sales
0109	Invalid/missing Bank account number (not checking)
0110	Invalid/missing Bank account number of WIC Vendor
0111	Invalid/missing Bank name of WIC Vendor
0112	Invalid/missing Benefit issuance ID
0113	Invalid/missing Benefit quantity
0114	Invalid/missing Benefit unit description
0115	Invalid/missing Broadband flag
0116	Invalid/missing Business name, clinic
0117	Invalid/missing Business name, local agency
0118	Invalid/missing Business name, WIC Vendor
0119	Invalid/missing Card Acceptor terminal identification code
0120	Invalid/missing Card capture capability
0121	Invalid/missing Card data input capability
0122	Invalid/missing Card data input mode
0123	Invalid/missing Card data output capability
0124	Invalid/missing Card number
0125	Invalid/missing Card present
0126	Invalid/missing Cardholder authentication capability
0127	Invalid/missing Cardholder authentication entity
0128	Invalid/missing Cardholder authentication method
0129	Invalid/missing Cardholder present
0130	Invalid/missing Cardholder relationship
0131	Invalid/missing Category code
0132	Invalid/missing Category code for benefit
0133	Invalid/missing Category code for UPC/PLU
0134	Invalid/missing Category long description
0135	Invalid/missing Category short description
0136	Invalid/missing Clinic ID
0137	Invalid/missing Corporation ID
0138	Invalid/missing Corporation ID of ACH payment
0139	Invalid/missing Count, detail records
0140	Invalid/missing Date and time, host
0141	Invalid/missing Date and time, local transaction
0142	Invalid/missing date and time, transmission
0143	Invalid/missing Date of birth for clinic contact
0144	Invalid/missing Date of birth for corporation contact
0145	Invalid/missing Date of birth for Local agency contact
0146	Invalid/missing Date of birth for WIC Vendor contact
0147	Invalid/missing Date of birth, cardholder
0148	Invalid/missing Date of birth, head of household
0149	Invalid/missing Date, begin benefit
0150	Invalid/missing Date, begin category
0151	Invalid/missing Date, begin of WIC Vendor
0152	Invalid/missing Date, begin sub-category
0153	Invalid/missing Date, begin UPC/PLU data
0154	Invalid/missing Date, begin vendor
0155	Invalid/missing Date, business
0156	Invalid/missing Date, effective
0157	Invalid/missing Date, effective for card status
0158	Invalid/missing Date, effective for WIC Vendor status

Function return codes, continued

Value	Description
0159	Invalid/missing Date, effective of ACH payment
0160	Invalid/missing Date, effective, WIC Vendor
0161	Invalid/missing Date, end benefit
0162	Invalid/missing Date, end category
0163	Invalid/missing Date, end for WIC Vendor
0164	Invalid/missing Date, end of WIC Vendor
0165	Invalid/missing Date, end request
0166	Invalid/missing Date, end sub-category
0167	Invalid/missing Date, end UPC/PLU
0168	Invalid/missing Date, settlement
0169	Invalid/missing Date, start request
0170	Invalid/missing email address
0171	Invalid/missing Email address, clinic contact
0172	Invalid/missing email for cardholder
0173	Invalid/missing Email, corporation contact
0174	Invalid/missing Email, local agency contact
0175	Invalid/missing Email, WIC Vendor contact
0176	Invalid/missing File sequence number
0177	Invalid/missing File sequence number is transmitted out of order
0178	Invalid/missing FNS Number
0179	Invalid/missing Forwarding institution ID
0180	Invalid/missing Function return code
0181	Invalid/missing Gender for cardholder
0182	Invalid/missing Gender for head of household
0183	Invalid/missing Initiating user ID
0184	Invalid/missing Item description
0185	Invalid/missing Item price
0186	Invalid/missing Language code for cardholder
0187	Invalid/missing Language code for head of household
0188	Invalid/missing Local agency ID
0189	Invalid/missing manual authorization flag
0190	Invalid/missing maximum requested count
0191	Invalid/missing Message or file type code
0192	Invalid/missing Message version
0193	Invalid/missing Name, first of Address, cardholder mailing
0194	Invalid/missing Name, first of Name, cardholder
0195	Invalid/missing Name, first of Name, clinic contact
0196	Invalid/missing Name, first of Name, head of household
0197	Invalid/missing Name, first of Name, local agency contact
0198	Invalid/missing Name, first of Name, WIC Vendor contact
0199	Invalid/missing Name, last of Address, cardholder mailing
0200	Invalid/missing Name, last of Name, cardholder
0201	Invalid/missing Name, last of Name, clinic contact
0202	Invalid/missing Name, last of Name, head of household
0203	Invalid/missing Name, last of Name, local agency contact
0204	Invalid/missing Name, last of Name, WIC Vendor contact
0205	Invalid/missing Name, middle initial of Name, cardholder
0206	Invalid/missing Name, middle initial of Name, clinic contact
0207	Invalid/missing Name, middle initial of Name, corporation contact
0208	Invalid/missing Name, middle initial of Name, head of household
0209	Invalid/missing Name, middle initial of Name, local agency contact

Function return codes, continued

Value	Description
0210	Invalid/missing Name, middle initial of Name, WIC Vendor contact
0211	Invalid/missing Name, suffix of Name, cardholder
0212	Invalid/missing Name, suffix of Name, head of household
0213	Invalid/missing Name, suffix of WIC Vendor contact
0214	Invalid/missing NTE price
0215	Invalid/missing NTE price of WIC Vendor peer group
0216	Invalid/missing Operating environment of POS data code
0217	Invalid/missing Original item price
0218	Invalid/missing Original line number
0219	Invalid/missing Original purchase quantity
0220	Invalid/missing Original systems trace audit number of ACH payment
0221	Invalid/missing Original unique EBT transaction identifier
0222	Invalid/missing Package size
0223	Invalid/missing password
0224	Invalid/missing Phone number, alternate corporation contact
0225	Invalid/missing Phone number, alternate WIC Vendor contact
0226	Invalid/missing Phone number, cardholder
0227	Invalid/missing Phone number, clinic contact
0228	Invalid/missing Phone number, local agency contact
0229	Invalid/missing Phone number, WIC Vendor contact
0230	Invalid/missing PIN capture capability
0231	Invalid/missing PIN, encrypted
0232	Invalid/missing Price type
0233	Invalid/missing Purchase indicator
0234	Invalid/missing Purchase quantity
0235	Invalid/missing Reason code
0236	Invalid/missing Reason code for ACH payment
0237	Invalid/missing Reason code for benefit
0238	Invalid/missing Reason code for card
0239	Invalid/missing Reason code for WIC Vendor
0240	Invalid/missing Reason code for WIC Vendor status
0241	Invalid/missing Rebate flag
0242	Invalid/missing Receiving institution ID
0243	Invalid/missing Record sequence number
0244	Invalid/missing Rejected line count
0245	Invalid/missing Status code for card
0246	Invalid/missing Status code for household
0247	Invalid/missing Status code for WIC Vendor
0248	Invalid/missing Sub-Category code
0249	Invalid/missing Sub-Category code for benefit
0250	Invalid/missing Sub-Category code for UPC/PLU
0251	Invalid/missing Sub-Category long description
0252	Invalid/missing Sub-Category short description
0253	Invalid/missing System trace audit number
0254	Invalid/missing System trace audit number is unknown to the EBT System
0255	Invalid/missing Terminal output capability
0256	Invalid/missing Type code for cardholder
0257	Invalid/missing Type code for household
0258	Invalid/missing Type code for WIC Vendor
0259	Invalid/missing Type code of Amount, redemption adjustment
0260	Invalid/missing Type code, transaction

Function return codes, continued

Value	Description
0261	Invalid/missing Unique EBT transaction identifier
0262	Invalid/missing Unit of measure
0263	Invalid/missing UPC/PLU
0264	Invalid/missing UPC/PLU data length
0265	Invalid/missing UPC/PLU indicator
0266	Invalid/missing Username
0267	Invalid/missing WIC EBT system ID
0268	Invalid/missing WIC MIS account ID
0269	Invalid/missing WIC MIS System ID
0270	Invalid/missing WIC MIS WIC Vendor ID
0271	Invalid/missing WIC MIS WIC Vendor ID is unknown to the EBT System
0272	Invalid/missing WIC MIS WIC Vendor ID of ACH payment
0273	Invalid/missing WIC State Agency ID
0274	Invalid/missing WIC Vendor ABA routing transit number
0275	Invalid/missing WIC Vendor Bank account number
0276	Invalid/missing WIC Vendor Bank name
0277	Invalid/missing WIC Vendor peer group ID
0278	Invalid/missing WIC Vendor tax ID
0279	Invalid/missing Workstation ID
0280	Issuance write request failed during write reset is required
0281	Issuance write request more buckets than are available
0282	Issuance write request overlaps card data
0283	Issuance write request with no issuance data
0284	Local agency ID already exists
0285	Local agency ID is unknown to the EBT System
0286	Missing Address, clinic
0287	Missing Address, local agency
0288	Missing cardholder person function parameter object
0289	Missing clinic contact person object
0290	Missing clinic function parameter object
0291	Missing data error
0292	Missing head of household person object
0293	Missing household function parameter object
0294	Missing Local agency contact person object
0295	Missing Local agency function parameter object
0296	Missing monthly food benefit function parameter object
0297	Missing security authorization object
0298	Missing vendor banking information object
0299	Missing vendor contact person object
0300	Missing vendor function parameter object
0301	Missing vendor mailing address object
0302	Missing vendor physical address object
0303	Name, head of household is missing
0304	Neither the WIC MIS account ID nor the Card number was provided
0305	No reset benefits for this card
0306	Number of active cardholders is exceeded by this new cardholder
0307	PIN has already been blocked
0308	PIN is blocked for previous errors
0309	PIN number for cardholder/number is not locked
0310	Primary cardholder already exists for the household
0311	Printer failure

Function return codes, continued

Value	Description
0312	Replacement request made without replacement values available
0313	Reserved
0314	Resulting Benefit quantity exceeds 99999
0315	Status change BIN not authorized
0316	Status change card hot carded by grocer
0317	Status change card is already hot carded
0318	Status change cryptographic authentication failure
0319	Status change CSN read failure
0320	Status change DF system read failure
0321	Status change DF WIC read failure
0322	Status change food prescription conflict
0323	Status change invalid data version
0324	Status change invalid PIN lock
0325	Status change no food benefits available
0326	Status change PIN already blocked
0327	Status change PIN presentation failure
0328	Status change revoked
0329	Status change secret code presentation failure
0330	Status change unknown status code
0331	Supplied PIN was not correctly verified
0332	System locked out
0333	Terminal timeout while waiting for user
0334	The referenced file is not found in the system
0335	The referenced vendor adjustment trace number is not found in the system
0336	Two PINs entered did not match
0337	Unable to connect
0338	Unique Benefit issuance ID already exists thus indicating a duplicate benefit adjustment
0339	Unknown (internal) error
0340	Unknown trace file found
0341	User timeout
0342	WIC MIS account ID already exists
0343	WIC MIS account ID is not known to the EBT System
0344	WIC MIS WIC Vendor ID already exists
0345	WIC MIS WIC Vendor ID is not found
0346-9999	Reserved

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

Value	Description
2	Level 2
3	Level 3
4	Corporate headquarters
5-9	reserved

B.4 Language code

The *Language code* is used to identify the language to be used with the WIC MIS account users. The ANSI/ISO Z39.53:2001 standard values are used. Table B.4 defines the most common *Language code* values used in WIC EBT, see the standard for a complete list.

Table B.4 Language codes

Value	Description
eng	English
cpp	Creole
spa	Spanish

B.5 Message or file type code

The *Message or file type code* is used to identify the function being performed. Table B.5 defines the *Message or file type code* values. These values are also used with the *Original message or file type code* data element.

Table B.5 Message or file type codes

Value	Description	Function	Interface type
0000-0999	Reserved		
1000	Add EBA	6.1.1	message
1100	Update EBA	6.1.2	message
1200	Get EBA details	6.1.3	message
1300	Add cardholder/card	6.3.1	message
1400	Update card/cardholder	6.3.4	message
1700	Add or update PIN	6.3.2	message
2000	Add or update benefits	6.2.1	message

Value	Description	Function	Interface type
3000	Get EBA using card number	6.1.4	message
3200	Get benefit balance	6.2.2	message
3300	Get benefit maintenance history	6.2.3	message
3400	Get benefit redemption history	6.2.4	message
3600	Get cardholders/cards	6.3.3	message
3700	Get card history	6.3.6	message
3750	Generate hot card list	6.3.7	message
3800	Get category information	6.5.1	message
3850	Get sub-category information	6.5.2	message
3860	Get UPC/PLU information	6.5.5	message
3870	Generate APL file	6.5.6	message
4000	Add or Update WIC Vendor	6.4.1	message
4100	Request ACH payment	6.9.1	message
4200	Add or Update WIC Vendor hierarchy information	6.4.2	message
4300	Update WIC Vendor status	6.4.3	message
4400	Update WIC Vendor banking information	6.4.4	message
5000	Create Local Agency	6.7.1	message
5100	Update Local Agency	6.7.2	message
6000	Create Clinic	6.8.1	message
6100	Update Clinic	6.8.2	message
9000	WIC EBT Card Updates File	6.3.5	file
9100	WIC Vendor File	6.4.1	file
9150	WIC Vendor Banking Information File	6.4.4	file
9200	WIC Vendor Corporate Information File	6.4.2	file
9300	WIC Vendor Status File	6.4.3	file
9400	Category/Subcategory Batch File	6.5.3	file
9500	WIC UPC/PLU File	6.5.4	file
9550	Report Outstanding Liability	6.2.5	file
9600	WIC Daily Interface Reconciliation File	6.6.3	file
9650	WIC Benefit Month Data File	6.6.4	file
9700	WIC Benefit Redemptions File	6.6.1	file
9750	WIC Benefits Purged Batch File	6.6.2	file
9800	WIC ACH Payment Batch File	6.9.2	file
9850	WIC ACH Payment Request File	6.9.1	file
9851	WIC EBA Conversion File	6.1.1	file
9852	WIC Benefits Conversion File	6.2.1	file
9853	WIC Card/Cardholder Conversion File	6.3.1	file

Value	Description	Function	Interface type
9854	WIC PIN Conversion File	6.3.2	file
9900-9999	Reserved for private use		

B.6 PIN activity code

The *PIN activity code* is used to identify changes made to the PIN associated with the card. Table B.6 defines the *PIN activity code* values.

Table B.6 PIN activity codes

Value	Description
0000	Default
0001-2599	Reserved
2600	PIN change
2601	PIN unlock (administrative)
2602	PIN lock
2603-9999	Reserved

B.7 POS data code

The *POS data code* is a 12-position data element providing information about the environment at the point of sale. Table B.7 lists the *POS data codes* and its sub-elements. See X9.93:1 for usage.

Table B.7 POS data codes

Position	Codes	Description
1 – Card data input capability	0	Unknown
	1	Manual, no terminal
	2	Magnetic stripe read
	3	Bar code
	4	OCR
	5	ICC
2 – Cardholder authentication capability	6	Key entered
	0	No electronic authentication
	1	PIN
	2	Electronic signature analysis
	3	Biometrics
	4	Biographic
	5	Electronic authentication inoperative

Position	Codes	Description
	6	Other
3 – Card capture capability	0	None
	1	Capture
4 – Operating environment	0	No terminal used
	1	On premises of Card acceptor, attended
	2	On premises of Card acceptor, unattended
	3	Off premises of Card acceptor, attended
	4	Off premises of Card acceptor, unattended
	5	On premises of cardholder, unattended
5 – Cardholder present	0	Cardholder present
	1	Cardholder not present, unspecified
	2	Cardholder not present, mail order
	3	Cardholder not present, telephone
	4	Cardholder not present, standing authorization
6 – Card present	0	Card not present
	1	Card present
7 – Card data input mode	0	Unspecified
	1	Manual, no terminal
	2	Magnetic stripe read
	3	Bar code
	4	OCR
	5	ICC
	6	Key entered
8 – Cardholder authentication method	0	Not authenticated
	1	PIN
	2	Electronic signature analysis
	3	Biometrics
	4	Biographic
	5	Manual signature verification
	6	Other manual verification (e.g., driver's license)
9 – Cardholder authentication entity	0	Not authenticated
	1	ICC
	2	Card accepting device
	3	Authorizing agent
	4	By merchant
	5	Other
10 – Card data output capability	0	Unknown
	1	None
	2	Magnetic stripe write
	3	ICC
11 – Terminal output capability	0	Unknown
	1	None
	2	Printing
	3	Display
	4	Printing and display
12 – PIN capture capability	0	No PIN capture capability
	1	Device PIN capture capability unknown
	4	4 characters
	5	5 characters

B.8 Reason code

The *Reason code* is used to explain the action being requested or taken in a function. Table B.8 defines the *Reason code* values. Note that values ending in “000” are not used.

Table B.8 Reason codes

Function	Value	Description
	A001-A999	Reserved
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
	B007	Deceased
	B008	Formula exchange
	B009	Benefit data update
	B010-B999	Reserved
Card add/update	C001	Lost
	C002	Stolen
	C003	Damaged after issued
	C004	Returned
	C005	Undeliverable
	C006	Damaged before issued
	C007	Issued
	C008	Hold expired
	C009	Compromised, other than lost or stolen
	C010	Hold requested
	C011	Cardholder data update
	C012	Failed to function prior to issuance
	C013	Missing - delivered but prior to issuance
	C014	Failed to function after issuance
	C015	Dual participation, card in
	C016	Administrative lock
	C017	Change in family status

Reason codes, continued

Function	Value	Description
	C018	Cancel and restrict access
	C019-C098	Reserved
	C099	Other
	C100-C998	Reserved
	C999	PIN change activity
	D001-D999	Reserved
EBA add/update	E001	New
	E002	Account data update
	E003	Fraud
	E004	Hold expired
	E005-K999	Reserved
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
	L005	Local agency or clinic data update
	L006-L999	Reserved
	M001-O999	Reserved
ACH payment	P001	Adjustment
	P002	Payment to warehouse
	P003	ACH payment update
	P004-U999	Reserved
Vendor add/update	V001	Vendor not WIC EBT certified and functional
	V002	Vendor WIC EBT certified and functional
	V003	Vendor WIC EBT certified only
	V004	Vendor WIC EBT functional only
	V005	Vendor ineligible for reactivation
	V006	Vendor eligible to be paid
	V007	Vendor payment withheld
	V008	Vendor data update
	V009-Z999	Reserved

B.9 Status code

The *Status code* is used to describe the condition of the entity acted or reported upon in a function. Table B.9 defines the *Status code* values.

Table B.9 Status codes

Value	Description
A001	Activated
A002	Deactivated
A003	Reactivated
A004	Lost card
A005	Stolen card
A006	Valid/ready to shop card (for vendor only)
A007	On hold
A008-A999	Reserved

B.10 Type code

The *Type code* is used to describe the action or entity being acted or reported upon in a function. Table B.10 defines the *Type code* values used in the Universal Interface function.

Table B.10 Type codes

Group	Value	Description
Type code, cardholder	A-O	Reserved
	P	Primary cardholder
	Q-R	Reserved
	S	Secondary cardholder
	T-W	Reserved
	X	Proxy cardholder
	Y-Z	Reserved
Type code, file	A-M	Reserved
	N	New file
	O-P	Reserved
	R	Replacement file
	S-T	Reserved
	U	Update file

Type codes, continued

Group	Value	Description
	V-Z	Reserved
Type code, transaction	A	Debit Adjustment, specific transaction
	B	Purchase
	C	Credit Adjustment, specific transaction
	D	Debit/subtract
	E	Expunged/expired
	F	Future benefit issuance/add
	G	Future benefit void
	H	Hold
	I	Issuance/Add
	J	Debit Adjustment, non-specific transaction
	K	Reversal of hold
	L	Reserved
	M	Manual authorization clear
	N-P	Reserved
	Q	Balance inquiry
	R	Reversal
	S	Store and forward purchase
	T	Credit Adjustment, non-specific transaction
	U	Reserved
	V	Void
	W-Z	Reserved
Type code, vendor	A-B	Reserved
	C	Chain
	D-E	Reserved
	F	Farmers market
	G-H	Reserved
	I	Independent grocer
	J-K	Reserved
	L	Sole proprietor
	M-V	Reserved
	W	Warehouse
	X	Reserved
	Y	Pharmacy
	Z	Reserved

Type codes, continued

Group	Value	Description
Type code, WIC MIS account	A-C	Reserved
	D	Emergency disaster
	E-G	Reserved
	H	Household
	I-N	Reserved
	O	Compliance buy
	P-U	Reserved
	V	Vendor
	W-Z	Reserved