

**WIC National UPC Database System
Upload/Download File Specifications
Release Version 2.1
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**Food and Nutrition Service
U.S. Department of Agriculture**

The following information is derived from the System Requirements Software Requirements Specification Document for the WIC National UPC Database system, (Version 1.0.16) dated *November 6, 2009*. The file format is a derivative of the X9.93 (2008) Part 2 Detailed UPC file, otherwise called the Authorized Product List (APL), that are used by WIC EBT systems to identify the WIC food products that may be purchased by each State WIC participant.

The file contains a number of additional fields that may be used by a WIC State Agency to manage the UPC data for their State. These changes include: 1) a Rebate Item indicator in position 297 to permit States to identify rebate products (e.g., formula or baby foods); 2) a 24 character Short Product Description in position 298-324 to permit States to identify a short product description that will fit on retail payment device receipts and is often used by WIC participants to identify their shopping list; and 3) a numeric code – ‘0’ or ‘1’ to designate some lowfat milk UPC’s to category 52, subcat 001 which is a combination category to be used for common milks to be issued in combination at the clinic.

The X9.93 2008 version includes a D6 record that allows printing of information for receipts for benefits issued at the 000 ‘wildcard’ subcategory. This permits more efficient file processing by eliminating the need to duplicate UPC items that can be used in the ‘wildcard’ 000 subcategory. The PLU data record of 17 digits must begin with a ‘1’ and the last digit must be a check digit computed using the GS1 standards for a 12 digit UPC to ensure consistent data handling by all parties, FNS, State agencies and food retail vendors. Uploads must contain this check digit but display within the NUPC database is limited to the PLU digits only.

UPLOAD/DOWNLOAD PROCESS (D4 RECORDS)

The WIC NUPC application contains two different types of file specifications – one consisting of Upload/Download data pertaining to D4 records and another known as the Abbreviated Detail Record pertaining to D6 records, which are a shortened list of standard Category/Subcategory data.

The D4 records display (download) or process (upload) data based on the product level, while the D6 records display only (download) data based on the Category/Subcategory level.

The following information pertains to D4 record information for the Upload/Download process:

Under X9.93 Part 2 2008, the file structure for the WIC UPC/PLU File update request consists of a file header, detail records, optional abbreviated detail records, and a trailer record. However, in the current iteration of the WIC NUPC application, only the Detailed Record information is presented to the user for interface.

Note: The system will execute a job every 5 minutes to process all the files that have been uploaded – the uploaded products will then be displayed in the application. User will receive all email notifications associated with the upload once the job executes regardless of the email setting that they choose in their User Profile (i.e. Never, Immediately, Daily, and Weekly).

1.1.1 FILE SPECIFICATION

- A. The file upload/download for WIC UPC shall adhere to the most recent version of the X9.93 specification (text-based, fixed-field length) indicated in the initial file record as File Format

version with the exception of data elements specifically added at the request of State Agencies within the file (i.e. Kentucky State Agency) – although this same file structure will still be used by all State Agencies. This will enable the use of the same file structure and process now used by State Agencies and their contractors to exchange UPC and PLU product data with retail vendors. State Agencies shall be responsible for creating files with the proper structure. The WIC UPC file shall be a text-based, fixed-field length file that contains ASCII characters only.

- B. Since certain fields in the file will apply solely to retailers (e.g., Item Price), these fields will not be validated or loaded if present in the file submitted to the National UPC database and not provided when downloaded from the database.

1.1.2 TRANSFER MECHANISM

- A. The file shall be uploaded/downloaded via the web browser while the user is logged into the application.
 - 1. The user logs into the National UPC database and proceeds to the Upload page.
 - 2. The user selects the file on their computer to upload.
 - 3. The system uploads the file and validates the data according to the established rules.
 - 4. The system loads the valid data and sends an email to the user listing all the validation errors and the results of the upload.

1.1.3 PRODUCT UPLOAD OVERVIEW

- A. The system shall enable State Agency users to upload product data to the National UPC database.
- B. The system receives the file transmission from the user once the user uploads the file.
- C. The system reads and processes each record in the file.
- D. Process for UPCs – the system validates that the structure of the record adheres to the specification for a UPC by using the UPC/PLU Data Length field in the Upload file.
 - 1. The expanded UPC number shall begin with a 0 followed by all 0's.
 - Example: 00000456789023411
 - where 0=the first digit identifier for a UPC;
 - followed by zero filled;
 - followed by the core UPC number (45678902341);
 - followed by the UPC check digit (1)
 - 2. If not valid, an error message is provided to the user and the product is not loaded.
 - 3. Upon determining the actual UPC, the system shall save this “stripped-down” UPC to the staging table so that the correct UPC is stored when set in the product table during the load.
- E. The system looks up the UPC in the database.
 - 1. If the UPC is not found, the system adds the product assigned to the specified Food Category/Subcategory. The product is added to the database with a status of “Approved” for the State Agency.

2. If the UPC is found, the system adds only the State Agency-specific information to the database with a status of "Approved" and associates with the product. None of the shared, common product information is updated or overwritten. If the product already exists for the State Agency, this State Agency-specific product information is overwritten with the data in the upload.
 3. This eliminates the need to specify if it is an "ADD" or "UPDATE" file. All files are processed by the system in the same manner.
 4. During the upload process, the following scenarios shall pertain to the Manufacturer and GS1 Company Prefix:
 - a. If a single Manufacturer is already in the system with a specified GS1 Company Prefix and a product is uploaded for that Manufacturer, the system shall automatically associate the product record with that Manufacturer.
 - b. If the Manufacturer GS1 Company Prefix is not found in the database, the system shall display a Warning Message to the user in the Upload email indicating such and the product shall be associated with the Manufacturer with the name = "SYSTEM CREATED: MANUFACTURER CODE NOT FOUND".
 - c. If the Manufacturer GS1 Company Prefix cannot be derived based on the UPC – the UPC length is not 12 digits, the UPC starts with one of the invalid digits (refer to Appendix G), or the GS1 Prefix is associated with two or more Manufacturers – the system shall display a Warning Message to the user in the Upload email indicating such and the product shall be associated with the Manufacturer with the name = "SYSTEM CREATED: MANUFACTURER CODE NOT FOUND".
- F. The system sends an email to the logged-in user providing the results of the transmission listing the rejected records (refer to Appendix D).
- G. On rare occasions, a State Agency may upload an Infant Formula that has not been approved by WIC and does not exist in the National UPC database.
1. The product shall be given the Approved status for the State Agency.
 2. An email shall be sent to the Federal user informing them of the new infant formula to review, at which time the Federal user may examine the product, enter missing Infant Formula-specific information, and assign/add the proper subcategory, if deemed to be valid.
- H. Implications for Subcategory additions during Infant Formula Upload process:
1. The State Agencies shall be instructed to leave the subcategory field blank in the upload file for a state-authorized formula that does not exist in WIC UPC.
 2. If the State Agency provides an unrecognized subcategory for an infant formula, the product shall still be loaded into WIC UPC and the subcategory ignored (saved as null). The user shall be provided a warning indicating that an unrecognized subcategory was detected, and that the new subcategory should be added through the system.
 - a. The State Agencies shall be allowed to add a Food Subcategory for Infant Formulas as the Federal users are currently permitted to do so via the regular manual entry process. The new subcategory is assigned the next available subcategory code within the category (refer to Section 2.1.1 and 2.1.2).
 3. If the State Agency adds an Infant Formula to a subcategory with an already existing product, an email shall be sent to the Federal Administrator. It is uncommon to have more than one product assigned to a single subcategory, and likely an error.
- I. Process for PLUs –

1. The system validates that the structure of the record adheres to the specification for a PLU by using the UPC/PLU Data Length field in the Upload file:
 - a. The expanded PLU number shall begin with a 1 followed by 0's.

Example: 10000000000040038

- where 1=the first digit identifier for a PLU;
 - followed by zero filled;
 - followed by the core PLU number (4003);
 - followed by the PLU check digit (8)
 - b. The number "05" for Regular products (the total length of the PLU (4) with check digit (1) = 5).
 - c. The number "06" for Organic or Genetically Modified products (the total length of the PLU (5) with check digit (1) = 6).
 - d. The system shall error out a product if the actual length of the PLU significant digits entered does not match the UPC/PLU Data Length field and present the error to the user within the email notification after the file is uploaded.
2. The system shall not differentiate between PLUs that contain check digits and those that do not in the Upload file – therefore, the user must be aware of the format in which they are entering PLUs for an upload.
3. The system shall not validate the check digit for the PLU.
4. Upon determining the actual PLU, the system shall save this "stripped-down" PLU to the staging table so that the correct PLU is stored when set in the product table during the load.
5. The system looks up the PLU in the database:
 - a. If the PLU is not found, the system adds the product to Category 19 Fruit & Vegetables Cash Value Voucher.
 - b. If the PLU is found, the system adds only the State Agency-specific information to the database with a status of "Approved" and associates it with the product. None of the shared, common product information is updated or overwritten. If the product already exists for the State Agency, this State Agency-specific product information is overwritten with the data in the upload.
 - c. This eliminates the need to specify if it is an "ADD" or "UPDATE" file. All files are processed by the system in the same manner.
6. The system shall adhere to the following business rules when uploading a PLU in the system:
 - a. The system shall only allow the user to select Category 19 Fruit & Vegetables Cash Value Voucher.
 - b. The system shall only allow the Manufacturer value of "International Federation of Produce Standards (IFPS)", which is automatically selected for the product upon Upload and displayed for the product in the system..
 - c. The system shall only allow the Subcategory value to be 001 (Fresh) or 004 (Dried).

- d. The system shall only allow a value of "1" (i.e. "Yes") for the question "Apply Product to Wildcard food subcategory (000)?" if the user provides Subcategory 001 (Fresh).
 - e. The system shall allow the user to select either "0" ("i.e. No") or "1" (i.e. Yes) for the question "Apply Product to Wildcard food subcategory (000)?" if user had selected the Subcategory for 004 (Dried).
 - f. The system shall not process a PLU product in an Upload file that is part of the unallowable PLU list. If the PLU is unallowable, the system shall reject the PLU and notify the user upon sending the results in the email message.
7. The system sends an email to the logged-in user providing the results of the transmission listing the rejected records (refer to Appendix D).
- J. Product approval
- 1. State Agencies shall upload products without the required Specialty data. Once uploaded, the product has an Approved status for the State Agency.
 - 2. Even though the product does not have the necessary data to pass validations, the product may still be Approved by any other State Agency.
 - 3. The system identifies these products that were loaded and approved via the upload to handle them differently than products entered online by recording whether the product was added via the upload or online in the "Method of Entry" field.
- K. Product access and modification
- 1. If user accesses the uploaded product via the Product Details Update screen and tries to update the product, the system should not perform any of the validations on the page when user saves the details on the page.
 - 2. The message that should display for the user is the following – "Product saved to the database and no federal validations performed."

1.1.4 VALIDATION/ERROR PROCESSING

- A. Records that do not pass the mandatory validation rules shall not be loaded and will be included in a data file.
- B. Validation rules that will result in rejection of the product record include the notification messages displayed for the Upload files in Appendix D. Examples include:
 - 1. Invalid record format
 - 2. Invalid field values as specified in the "Requirements" column
 - 3. Unrecognized category or subcategory code (exception: allow and save as blank any unrecognized subcategory code for Infant Formula categories or an incorrect entry for a Subcategory based on Category 19 entry.)
 - 4. Invalid check digit for a UPC.
 - 5. Unrecognized Benefit Unit
- C. The system shall enable processing of a file containing one carriage return (blank line) at the end of the file.
 - 1. The system shall process the file with or without a carriage return.
 - 2. The carriage return will serve as the last character in the last data line.

3. The system shall not allow users to have multiple carriage returns or additional spaces within the carriage return line.

1.1.5 PRODUCT DOWNLOAD OVERVIEW

- A. The system shall enable State users to upload product data to the National UPC database.
- B. The system shall enable State users to download product data from the database.
 1. The system shall provide the user with several options for which to select data to download:
 - a. State Agency Approved Product List (complete list)
 - b. All products approved by the user's State Agency that have changed (includes newly added) within the specified timeframe
 - c. All products that have been approved by the user's State Agency within the specified timeframe
 2. The system shall enable the user to select products based on the following timeframes:
 - a. Custom date
 - b. Current month
 - c. Previous month
 - d. Previous quarter
 3. The download file shall utilize the same file format as the upload file.
- C.
 1. The system shall calculate the PLU check digit during the download process and append the check digit to the PLU within the file.
 2. The system shall require that download file contains UPC/PLU Data Length field as follows:
 - a. The number "05" for Regular products (the total length of the PLU (4) with check digit (1) = 5).
 - b. The number "06" for Organic or Genetically Modified products (the total length of the PLU (5) with check digit (1) = 6).

1.1.6 FILE ERRORS

- A. The protocol allows for 3 types of errors when processing files:
 1. The file is not transmitted successfully. The file should be re-transmitted
 2. The file is not recognized because of errors in the file identification. The file should be corrected and re-transmitted.
 3. The file is received and identified correctly, but there are errors with the records in the file. The system will display the results associated with the errors in the email sent to the users.

1.1.7 UPC/PLU DETAIL RECORD DATA ELEMENTS

WIC UPC/PLU Detail Record – this is the formatting that the user shall complete when creating an Upload File for the system. The actual file does not display the information as headers, only the details of the data. This table is a combination of x9.93 standard information and WIC NUPC information. Also note the x9.93 Condition “Mandatory” means that these positions in the file must be filled with spaces or valid values. The WIC NUPC Condition “Required” means the UPC system expects an actual value in these positions.

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
Record Identification Code	Not used	PIC X(2)	1-2	Mandatory	Required	Value = “D4” for a detail record Not saved, only used during upload
Record Sequence Number	Not used	PIC 9(6)	3-8	Mandatory	Required	Starting at “000001” for each detail record and increment by 1 (e.g. 000001, 000002, 000003) Not saved, only used during upload
Message Type Identifier	Not used	PIC 9(4)	9-12	Mandatory	Required	Value = “1344” Not saved, only used during upload
UPC/PLU	UPC PLU	PIC 9(17)	13-29	Mandatory	Required	Right Justified Zero Filled UPC and PLU must include check digit UPC expanded number must begin with 0 PLU expanded number must begin with 1
Item Description	Product Name and State Agency Product Name	PIC X(50)	30-79	Mandatory	Required	Product Name added to the system only if entry is a new product (no overwriting)
Category Code	Food Category Code	PIC 9(2)	80-81	Mandatory	Required	Must match the Category code values within the application

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
Category Description	Not used	PIC X(50)	82-131	Mandatory	Not Required	Leave 49 blank spaces in the file when entering data for upload
Sub-category Code	Food Subcategory Code	PIC 9(3)	132-134	Mandatory	Required	<p>Leave 3 blank spaces if State Agency-only approved Infant Formula (not in WIC Works or National UPC database)</p> <p>The Subcategory Code selected shall automatically set the National Unit of Measure associated with a product, since the WIC NUPC system auto-displays National Unit of Measure for a product based on the Subcategory Code selected</p>
Sub-category Description	Not used	PIC X(50)	135-184	Mandatory	Not Required	Leave 49 blank spaces in the file when entering data for upload
Unit of Measure	Not used	PIC X(10)	185-194	Mandatory	Not Required	Upload files will not use the data entered in this position; the download files will always return the National Unit of Measure associated with the product's Category/Subcategory
Package Size	Total Package Amount	PIC 9(3)V99	195-199	Mandatory	Required	5 characters only (Example: 00000), which can translate up to 3 digits and 2 decimal spaces when displayed in the application
Benefit Quantity	State Agency Exchange Size	PIC 9(3)V99	200-204	Mandatory	Required	5 characters only (Example: 00000),

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
						which translates into up to 3 digits and 2 decimal spaces when displayed in the application
Benefit Unit	State Agency Unit of Measure	PIC X(50)	205-254	Mandatory	Required	<p>The system shall require that the user enters the value in the upload file exactly how the value is stored in the application. (e.g. "Quart", "Pound", etc)</p> <p>Refer to the acceptable values per the State Agency Unit of Measure values listed in the Data Tables. Reference Section 2.19 and 2.1.14</p>
Item Price	Not used	PIC 9(4)V99	255-260	Mandatory	Not Required	Leave 6 blank spaces in the file when entering data for upload
Price Type	Not used	PIC X(2)	261-262	Mandatory	Required	<p>Values: "03" – valid for Category 19 products only (both UPCs and PLUs); all others products must be "00"</p> <p>No corresponding field in the application, but will appear in Download file for all products</p> <p>Upon downloading a file, the system shall always populate the Price Type field with "03" for Category 19 PLU or UPCs and "00" for UPCs in any</p>

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
						other Category besides Category 19
Card Acceptor Identification Code	Not used	PIC X(15)	263-277	Mandatory	Not Required	Leave 15 blank spaces in the file when entering data for upload
Date, Effective	Effective Date	PIC 9(8) CCYYMMDD	278-285	Mandatory	Required	<p>YYYYMMDD format</p> <p>Enter "00000000" as default if no date exists</p> <p>System shall populate/display all zeroes if the date information is not found for a record when the user downloads a file (Example: "00000000")</p> <p>When product information is uploaded and the user entered the default "00000000", the system shall display the date as "None" when viewing the information on the Product Input Details page in the application</p>
Date, End	Expiration Date	PIC 9(8) CCYYMMDD	286-293	Mandatory	Required	<p>YYYYMMDD format</p> <p>Enter "00000000" as default if no date exists</p> <p>System shall populate/display all zeroes if the date information is not found for a record when the user downloads a file (Example:</p>

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
						<p>"00000000")</p> <p>When product information is uploaded and the user entered the default "00000000", the system shall display the date as "None" when viewing the information on the Product Input Details page in the application</p>
UPC/PLU Data Length	Not used	PIC9(2)	294-295	Mandatory	Required	<p>Indicates the significant digits in the UPC or PLU</p> <p>No corresponding field in the application, but will appear in download file for both UPCs and PLUs</p> <p>Valid values for UPC: 12 13 14</p> <p>Valid values for PLU: 05 06</p>
Purchase Indicator	Apply Product to Wildcard food subcategory (000)?	PIC 9(1)	296	Mandatory	Required	<p>Values: "0" – No, "1" – Yes</p>
Rebate Item	Rebate Item	PIC 9(1)	297	Mandatory	Required	<p>Values: "0" – No, "1" – Yes</p> <p>PLUs must = "0"</p> <p>UPCs can be "0" or "1"</p>

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
						<p>This field will appear in the download file for both UPCs and PLUs</p> <p>The system will always display a "0" in the download file for PLUs that were manually entered on the Product Input Details page</p>
Short Product Description	Short Product Description	Not Applicable	Not Applicable to x9.93 – but position in file is 298-321	Not Applicable	Required	<p>24 character limit – alpha, numeric, special characters, and spacing enabled</p> <p>User must enter data or leave 24 blank spaces in order for system to accept the uploaded file</p>
Do you want to combine this item into the 001 Subcategory?	Do you want to combine this item into the 001 Subcategory?	Not Applicable	Not Applicable to x9.93 – but position in file is 322	Not Applicable	Required	<p>Values: "0" – No, "1" – Yes. This applies for Categories 51 and 52 only.</p> <p>Values: "0" – No for all other UPCs and PLUs.</p>

1.2 ABBREVIATED DETAIL RECORD (D6 RECORDS)

The following information pertains to D6 record information for the Abbreviated Detail Record (ADR) Download process.

- A. The ADR shall be presented within every Download file generated by all State Agency users as the first set of data in the Download file that precedes any D4 file information. Information shall be sorted by Category, then Subcategory in ascending order..
- B. The system shall present the following format and field values within the ADR Download file, which pertains to the Category/Subcategory detail level and not the product detail level.

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
Record identification code	Not used	PIC X(2)	1-2	Mandatory	Required	Value = "D6" for a detail record

X9.93 Data Element Name	WIC NUPC Data Element	X9.93 Format	X9.93 Position	X9.93 Condition	WIC NUPC Condition	Requirements
Record sequence number	Not used	PIC 9(6)	3-8	Mandatory	Required	Starting at "000001" for each detail record and increment by 1 (e.g. 000001, 000002, 000003)
Message type	Not used	PIC 9(4)	9-12	Mandatory	Required	Value = "1344"
Category code	Food Category Code	PIC 9(2)	13-14	Mandatory	Required	Matches the existing Category codes in the system. Refer to Appendix B.
Category description	Product Description	PIC X(50)	15-64	Mandatory	Required	Matches the existing Category descriptions in the system. Refer to Appendix B.
Subcategory code	Food Subcategory Code	PIC 9(3)	65-67	Mandatory	Required	Matches the existing Subcategory codes in the system. Refer to Appendix B.
Subcategory description	Subcategory Description	PIC X(50)	68-117	Mandatory	Required	Matches the existing Subcategory descriptions in the system. Refer to Appendix B.
Subcategory short description	Subcategory Short Description	PIC X(24)	118-141	Mandatory	Required	Description applicable as a standard for the subcategory level.
Benefit Unit description	Benefit Unit Description	PIC X(50)	142 -191	Mandatory	Required	Benefit Unit Description applicable to the Category/Subcategory level.
Date, effective	Effective Date	PIC 9(8)	192-199	Mandatory	Required	The effective date for the Category.
Date, end	End date	PIC 9(8)	200-207	Mandatory	Required	The end date for the Category.

C. The system shall adhere to business rules for the following ADR fields:

1. Subcategory short description:

a. The system shall present the value from the following list:

Category 2

000 Cheese - all authorized

- 001 Cheese
- 002 Lowfat cheese
- 003 Low Sodium Cheese
- 004 Tofu

Category 3

- 000 Eggs - all authorized
- 001 Fresh eggs
- 002 Dry eggs (Pwd)
- 003 Shelled Eggs
- 004 Boiled eggs

Category 5

- 000 Cereal (Adult) - all aut
- 001 Cereal (Adult)

Category 6

- 000 All authorized dry legum
- 001 Peanut Butter
- 002 Dry legume or peas
- 003 Beans Can
- 004 Pnt Btr - red fat/sod Ja

Category 8

- 000 FISH - All authorized ty
- 001 Light tuna
- 002 Salmon
- 003 Sardines
- 004 Mackerel
- 005 Tuna - convenient pack
- 006 Salmon - convenient pack
- 007 Sardines - convenient pa
- 008 Mackerel - convenient pa

Category 9

- 000 Infant Cereal - all auth
- 001 Infant Cereal w/o Fruit

Category 12

- 000 Infant Fruit & Vegetable
- 001 Infant Fruit
- 002 Infant Vegetables

003 Infant Fruit/Vegetables

Category 13

000 Infant Meats - All autho
001 Infant Meats

Category 16

000 Whole Wheat Bread or Who
001 Bread - 100% Whole Wheat
002 Bread - 100% Whole Grain
003 Brown rice
004 Bulgur
005 Oatmeal
006 Barley - whole grain
007 Soft Corn Tortilla
008 Whole Wheat Tortilla

Category 19

000 Fruit and Vegetables - C
001 Fresh
002 Frozn
003 Canned
004 Dried

Category 21

001 Enf LIP w/Ir Pwd
002 Enf LIP w/Ir Conc
003 Enf LIP w/Ir RTF
004 Enf w/Ir Pwd
005 Enf w/Ir Conc
006 Enf w/Ir RTF
007 Enf Pro LIP Pwd
008 Enf Pro LIP Conc
009 Enf Pro LIP RTF
010 Enf Pro Pwd
011 Enf Pro Conc
012 Enf Pro RTF
013 Enf AR Rice Pwd
014 Enf AR Rice LIP RTF
015 Enf AR Rc LIP Pwd
016 Enf LF LIP Conc
017 Enf LF LIP RTF

018 Enf Gent LIP Pwd
019 Enf Next LIP Pwd
020 Enf Next Pro LIP Pwd
021 Enf LIP LIP Pwd
022 Enf LIP LIP RTF
023 Sim w/lr Pwd
024 Sim w/lr Conc
025 Sim Adv Pwd
026 Sim Adv Conc
027 Sim Adv RTF
028 Sim Iso Pwd
029 Sim Iso Conc
030 Sim Iso RTF
031 Sim Iso Adv Pwd
032 Sim Iso Adv Conc
033 Sim Iso Adv RTF
034 Sim LF Pwd
035 Sim LF Conc
036 Sim LF RTF
037 Sim LF Adv Pwd
038 Sim LF Adv Conc
039 Sim LF Adv RTF
040 Sim 2 Adv Pwd
041 Sim Iso 2 Adv Pwd
042 Sim LI Pwd
043 Sim LI RTF
044 GS 2 Ess Pwd
045 GS 2 Ess Conc
046 GS 2 Ess RTF
047 GS 2 Ess Soy Pwd
048 GS 2 Sprm DHA Pwd
049 GS 2 Soy DHA Pwd
050 GS Ess Pwd
051 GS Ess Soy Pwd
052 GS Ess Soy Conc
053 GS Ess Soy RTF
054 GS Sprm Pwd
055 GS Sprm Conc
056 GS Sprm RTF
057 GS Sprm DHA Pwd
058 GS Sprm DHA Conc
059 GS Sprm DHA RTF

060 GS Soy DHA Pwd
061 GS Soy DHA Conc
062 GS Soy DHA RTF
063 NAN Pwd
064 NAN DHA Pwd
065 Safeway Sel Soy Pwd
066 Generic Older Inf Conc
067 Generic Older Inf RTF
068 Generic Old Inf Soy Pwd
069 Generic Old Inf Soy Con
070 Generic Old Inf Soy RTF

Category 31

001 Enf Nutr Pwd
002 Enf Nutr Conc
003 Enf Nutr RTF
004 Nutr LIP Pwd
005 Nutr LIP Conc
006 Nutr LIP RTF
007 Enf Preg Pwd
008 Enf Preg 20/24 RTF
009 Preg LIP Pwd
010 Preg LIP RTF
011 EnfaCare LIP Pwd
012 Enf Pr LPw/lr 24 RTF
013 Phenyl-Fr 2HP Pwd
014 HIST 1 Pwd
015 WND 1 Pwd
016 BCAD 1 Pwd
017 GA Pwd
018 HCY Pwd
019 LMD Pwd
020 OA 1 Pwd
021 PFD 1 Pwd
022 Product 3200 AB Pwd
023 Product 3232A Pwd
024 TYROS 1 Pwd
025 Calcilo XD Pwd
026 Glutarex-1 Pwd
027 Phenex-1 Pwd
028 Ross Carb Fr (RCF) Conc
029 Sim NeoSure Pwd

030 Sim Neo Adv Pwd
031 Sim Neo Adv RTF
032 Sim Alim RTF
033 Sim Alim Adv Pwd
034 Sim Alm Ad RTF
035 Sim Iso DF RTF
036 Sim PM 60/40 Pwd
037 Sim SpecCare Adv 20 RTF
038 Sim SpecCare Adv 24 RTF
039 Sim SC Adv w/lr 20 RTF
040 Sim SC Adv w/lr 24 RTF
041 Cyclinex-1 Pwd
042 EleCare Pwd
043 Hominex-1 Pwd
044 I-Valex-1 Pwd
045 Ketonex-1 Pwd
046 Pro-Phree Pwd
047 Propimex-1 Pwd
048 ProViMin Pwd
049 Sim Natl Cr Adv HMF RTF
050 Sim HMF Pwd
051 Tyrex-1 Pwd
052 HOM 1 Pwd
053 MSUD Analog Pwd
054 Neocate Inf Form Pwd
055 OS 1 Pwd
056 PKU 1 Pwd
057 TYR 1 Pwd
058 UCD 1 Pwd
059 XLeu Analog Pwd
060 XLys, XTrp Analog Pwd
061 XMet Analog Pwd
062 XMTVI Analog Pwd
063 XPhe Analog Pwd
064 XPhe, XTyr Analog Pwd
065 XPTM Analog Pwd

Category 41

001 Advera RTF
002 Alitra-Q van Pwd
003 Cyclinex-2 Pwd
004 Enlive RTF

005 Ensure RTF
006 Ensure Fiber FOS RTF
007 Ensure High Calcium RTF
008 Ensure HP wldbry RTF
009 Ensure Nutr/Energy Bars
010 Ensure van Pwd
011 Ensure van Pudding
012 Ensure Plus van RTF
013 EnsurePlsHN van RTF
014 Ensure Healthy Mom RTF
015 Glucerna, van RTF
016 Glucerna Meal Replac Bar
017 Glucerna Snack Bar Solid
018 Glucerna Select RTF
019 Glucerna Shake RTF
020 Glutarex-2 Pwd
021 Hi-Cal RTF
022 Hominex-2 Pwd
023 Introlite RTF
024 I-Valex-2 Pwd
025 Jevity 1.5 1500 ML: RTF
026 Jevity 1 Cal RTF
027 Jevity 1.2 Cal 1500 RTF
028 Ketonex-2 Pwd
029 Nepro, vanilla 8 oz RTF
030 NutritFocus RTF
031 Optimental RTF
032 Osmolite 8 oz RTF
033 Osmolite 1 Cal RTF
034 Osmolit 1.2 Cal RTF
035 Oxepa RTF
036 PediaSure RTF
037 PediaSure Ent Form RTF
038 PediaSure w/ Fiber RTF
039 PS w/Fib Ent Form RTF
040 Perative RTF
041 Phenex-2 Pwd
042 Polydose Pwd
043 Polydose Liq. Conc
044 ProMod Pwd
045 Promote w/Fib RTF
046 Promote, van RTF

047 Propimex-2 Pwd
048 ProSure Shake RTF
049 Pulmocare RTF
050 Suplena RTF
051 Two Cal HN RTF
052 Tyrex-2 Pwd
053 Vital High Nitro Pwd
054 Acerflex Pwd
055 E028 Extra Pwd
056 HOM 2 Pwd
057 KetoCal Pwd
058 Methionaid Pwd
059 MSUD 2 Pwd
060 MSUD Aid Pwd
061 MSUD Maxamaid Pwd
062 MSUD Maxamum Pwd
063 Neocate Junior Pwd
064 Neocate One + Pwd
065 OS 2 Pwd
066 Pediatric E028 Liq Conc
067 Pepdite One + Pwd
068 Periflex Pwd
069 Phlexy-10 Drink Mix Pwd
070 Phlexy-10 Capsules
071 Phlexy-10 Bars
072 PKU 2 Pwd
073 PKU 3 Pwd
074 Supr SolubleDuocal Pwd
075 TYR 2 Pwd
076 UCD 2 Pwd
077 XLeu Maxamaid Pwd
078 XLeu Maxamum Pwd
079 XLys, XTrp Maxmaid Pwd
080 XLys, XTrp Maxmum Pwd
081 XMet Maxamaid Pwd
082 XMet Maxamum Pwd
083 XMTVI Maxamaid Pwd
084 XMTVI Maxamum Pwd
085 Xphe Maxamaid Pwd
086 Xphe Maxamum Pwd
087 XPhe, XTyr Maxmaid Pwd
088 Ahold USA Ped Drink RTF

089 Albertsons Baby Bas Pwd
090 Albertsons Baby Ped RTF
091 Bright Beg Ped Drk RTF
092 Bright Beg Soy Ped RTF
093 HEB Baby Old Inf Pwd
094 HEB Buddy Ped Drk RTF
095 HyVee Mothers Choice Pwd
096 Kroger Comf Ped RTF
097 Kro Ultr Com2 w/lr Pwd
098 Parent Choice2 Inf Pwd
099 Pathmark Ped Drnk RTF
100 Target Next Stag DHA Pwd
101 Target Ped Drink RTF
102 WalMart Paren Choice Pwd
103 Wegmans Old Inf w/lr Pwd
104 Cplx MSUD Amin Acid Bar
105 Cplx MSUD Amin Acid Pwd
106 Cplx MSUD Drink Mix Pwd
107 PhenylAde Amino Acid Bar
108 PhenylAde Amino Acid Pwd
109 PhenylAde Drink Mix Pwd
110 PhenylAde MTE Am AcPwd
111 ScandiCal Pwd
112 ScandiShake Pwd
113 Glutasorb RTF
114 L-Emental Pwd
115 L-Emental Hepatic Pwd
116 PRO-Peptide RTF
117 PRO-Peptide for Kids RTF
118 PRO-Peptide VHN RTF
119 Enf Human Milk Fort Pwd
120 HCY 2 Pwd
121 HIST 2 Pwd
122 Kindercal RTF
123 Kindercal TF RTF
124 OA 2 Pwd
125 PFD 2 Pwd
126 Phenyl-Free 2 Pwd
127 Phenyl-Free 2 HP Pwd
128 Portagen Pwd
129 Respalor RTF
130 TYROS 2 Pwd

131 WND 2 Pwd
132 Carn Inst Breakf RTF
133 Carn Inst Breakf Juc RTF
134 Carn Inst Breakf Jr RTF
135 Carn Inst Breakf LF RTF
136 Carn Inst Brkf LF PL RTF
137 Carn Inst Brkf LF VH RTF
138 Carn Inst Brkf Carb RTF
139 Crucial RTF
140 f.a.a, Fr Amin Ac Dt RTF
141 MODULEN IBD Cmplt Pwd
142 Nutren Junior RTF
143 Nutren Junior w/Fib RTF
144 Nutren 1.0 RTF
145 Nutren 1.0 w/ Fiber RTF
146 Nutren 1.5 RTF
147 Nutren 1.5 Fiber RTF
148 Nutren 2.0 RTF
149 NutriHeal RTF
150 NutriHep RTF
151 NutriRenal RTF
152 NutriVent RTF
153 Peptamen Junior RTF
154 Peptamen Jr w/ Preb RTF
155 Peptamen Junior Oral RTF
156 Peptamen VHP Oral RTF
157 Peptamen VHP RTF
158 Peptamen RTF
159 Peptamen w/ Prebio1 RTF
160 Peptamen 1.5 RTF
161 Peptamen 1.5 Oral RTF
162 Peptamen AF Pwd
163 Peptamen Oral RTF
164 ProBalance RTF
165 Reabilan RTF
166 Reabil HN RTF
167 Renalcal RTF
168 Replete w/Fib RTF
169 Replete RTF
170 VHC 2.25 Complete RTF
171 Boost Breeze RTF
172 Boost Plus RTF

173 Boost RTF
174 Boost Diabetic RTF
175 Boost High Protein Pwd
176 Boost High Pro RTF Pudd
177 Boost Pudding Pudding
178 Boost w/ Benefbr FOS RTF
179 Casec Pwd
180 Compleat RTF
181 Compleat Pediatric RTF
182 Comply RTF
183 Criticare HN RTF
184 Dairy Thick RTF
185 Fibersource HN RTF
186 Fibersource Standard RTF
187 Isocal RTF
188 Isocal HN RTF
189 Isocal HN Plus RTF
190 Isosource HN RTF
191 Isosource Standard RTF
192 Lipisorb Liquid RTF
193 Magnacal Renal RTF
194 MCT Oil RTF
195 Meritene Pwd
196 Microlipid RTF
197 Moducal Pwd
198 NovaSource 2.0 RTF
199 Pediatric Peptinx DT RTF
200 Pediat Pep DT w/Fib RTF
201 Peptinex DT RTF
202 Peptinex RTF
203 Resource Plus RTF
204 Resource Benecalorie RTF
205 Resource Diabet TF RTF
206 Resource Fruit Bev RTF
207 Resource Just Kids RTF
208 Resoucee Jst Kid 1.5 RTF
209 Res Just Kid 1.5 Fib RTF
210 Resource Jst Kid Fib RTF
211 Resource Nutritious Pudd
212 Resource Standard RTF
213 Subdue RTF
214 Subdue Plus RTF

215 Tolorex Pwd
216 Ultracal RTF
217 Vivonex Pediatric Pwd
218 Vivonex Plus Pwd
219 Vivonex RTF
220 Vivonex T.E.N. Pwd
221 Resource Thicken Juc RTF
222 Vitaflo PKU-Express Pwd
223 Vitaflo PKU-Gel RTF

Category 51

000 Whole fluid milk
001 Cow's Milk - generic
002 Buttermilk - whole
003 Lactose-reduced and/or L
004 Acidophilus milk (fluid)
005 Goats Milk (fluid) - who
006 Ultra High Temperature (
007 Goats Milk (shelf stable
008 Soy-based beverage - who
009 Whole dry milk (shelf st
010 Dry goat milk (Pwd)
011 Evaporated whole milk (C
012 Evaporated goat milk (Co

Category 52

000 Low Fat Milk - All autho
001 Low Fat - generic
002 Skim Milk
003 1% Milk
004 2% Milk
005 Butter Milk lowfat/skiim
006 Lactose Milk lowfat/skim
007 Acidoph Milk lowfat/skim
008 Goats Milk lowfat/skim
009 (UHT) Milk lowfat/skim
010 Goats Milk (SSFM) LF/S
011 Soy Beverage LF/S
012 Nonfat Dry or Lowfat Dry
013 Dry Goat Milk LF Pwd
014 Evaporated lowfat (skim)
015 Evaporated Goat Milk LF

Category 53

- 000 Juice - All categories -
- 001 Frozen Conc
- 002 Single strength, natural
- 003 Shelf stable Conc
- 004 Calcium fortified - any
- 005 Juice - packaging approp

Category 54

- 000 Juice - All cat 16/64oz
- 001 Frozen Conc
- 002 Single strength, natural
- 003 Calcium fortified

2. Benefit Unit Description

- a. The system shall present the following values for the Benefit Unit Description field. (Note: Category 6 is further broken out by Subcategory):
 - i. Category 2 – Pound
 - ii. Category 3 – Dozen
 - iii. Category 5 – Ounce
 - iv. Category 6 - this is the only Cat that varies by Subcat as well:
 - a.) Subcategory 000 = Cont
 - b.) Subcategory 001 = Jar
 - c.) Subcategory 002 = Bag
 - d.) Subcategory 003 = Can
 - e.) Subcategory 004 = Jar
 - v. Category 8 – Ounce
 - vi. Category 9 – Ounce
 - vii. Category 12 – Ounce
 - viii. Category 13 – Ounce
 - ix. Category 16 – Ounce
 - x. Category 19 - \$\$\$
 - xi. Category 21 – Can
 - xii. Category 31 – Can
 - xiii. Category 41 – Can
 - xiv. Category 51 – Quart
 - xv. Category 52 – Quart
 - xvi. Category 53 – Cont

xvii. Category 54 - Cont

3. Date, effective
 - a. The system shall default to "03/01/2009" for all existing D6 records.
4. Date, end
 - a. The system shall default to "00000000" for all existing D6 records.
- D. The system shall enable the following functionality for the Infant Formula Subcategory and the Subcategory Short Description:
 1. The system shall enable users to add the Subcategory Short Description while working with an Infant Formula product on the Product Input/Update page.
 - a. This field will only be applicable if the user is adding a new Subcategory for the product at the same time.
 - b. If user is not entering a new Subcategory, then the user will not be able to add a Subcategory Short Description.
 2. The Subcategory Short Description shall be a required field when adding a new Subcategory for an Infant Formula.
 3. The system shall automatically set the following values upon entry of the Subcategory Short Description value:
 1. Benefit Unit Description = Can
 2. Date, Effective = current system date
 3. Date, End = 00000000
 4. The system shall not display the Subcategory Short Description, Benefit Unit Description, Date, Effective, or Date, End values upon user saving the record.
 - a. The values will only be accessible via the ADR download file, which follows the same process employed for all other products and Subcategory Short Descriptions in the system.
 5. The system shall not permit the users to update the Subcategory Short Description, Benefit Unit Description, Date, Effective, or Date, End after they have saved the values on the page.
 6. The system shall require a PDCR if a user would like to modify the Subcategory Short Description, Benefit Unit Description, Date, Effective, or Date, End values that have already been saved to the system..
 7. When Uploading a new Infant Formula Subcategory using D4 record information, the system shall not present a way for the user to also add a Subcategory Short Description for that Subcategory. The system shall require that the user requests a PDCR to add the applicable Subcategory Short Description.