**Appendix 1B.5**

**Federal File Formats**

# File Format for STARS System

**Header Record**

Record identifier PIC X Value ‘1’

Filler PIC X Value space

Processor R/T # PIC X(9) Bank R/T number

Processor Suffix # PIC X(7) Bank Suffix number or zeros

State Code PIC XX Alpha state code

Filler PIC X(3) Value zeros.

Date file generated PIC X(6) YYMMDD

Time file generated PIC X(4) HHMM

LOC number PIC X(4) Letter of Credit number or state

Filler PIC X(43) Value spaces.

**Retailer Transaction Record**

Record identifier PIC X Value space

Credit date PIC X(6) YYMMDD

Filler PIC X(12) Value spaces

‘Sign’ for dollar

amount (next field) PIC X + or -

Dollar amount PIC 9(7)V99 Daily total amount for retailer for credit date

Retailer FNS number PIC X(7)

Filler PIC X(44) Value spaces

**Daily Total Record**

Record identifier PIC X Value ‘C’

Credit date PIC X(6) YYMMDD

Total count PIC 9(6) Total number of transaction records for credit date

Filler PIC X(6) Value spaces

‘Sign’ for dollar

amount (next field) PIC X + or -

Total amount PIC 9(9)V99 Total dollar amount of all transactions for credit date

Filler PIC X(49) Value spaces

**Trailer Record**

Record identifier PIC X Value ‘T’

Filler PIC X(6) Value spaces

Total record count PIC 9(6) Total number of transaction records in this transmission

Filler PIC X(6) Value spaces

‘Sign’ for dollar

Amount (next field) PIC X + or -

Total dollar amount PIC 9(9)V99 Total dollar amount for all transaction records in this transmission

Filler PIC X(49) Value spaces

File Format for REDE II

**STATE RETAILER FILE**

**State Retailer File Header Record**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FIELD DESCRIPTION** | **FIELD TYPE** | **FIELD WIDTH** | **FIELD POSITION** | **COMMENTS** |
| Transaction Type Code | Char | 1 | 1 | Blank |
| State Code | Char | 2 | 2 - 3 | Alphabetic state code where stores are located |
| Date Range |  |  |  | Date range for effective dates of retailer update transactions |
| Beginning Date | Char | 8 | 4 - 11 | For the daily update file, the beginning date of the date range in CCYYMMDD format. For the monthly file, the date the file is produced. |
| Ending Date | Char | 8 | 12 - 19 | For the daily file, the ending date of the date range in CCYYMMDD format. For the monthly file, the date the file is produced. |
| Transaction Count | Num | 7 | 20 - 26 | Count of detail records in the file |
| Filler | Char | 395 | 27 - 421 | Blanks |

**State Retailer File Trailer Record**

| **FIELD DESCRIPTION** | **FIELD TYPE** | **FIELD WIDTH** | **FIELD POSITION** | **COMMENTS** |
| --- | --- | --- | --- | --- |
| Transaction Type Code | Char | 1 | 1 | ‘T’ - Trailer record |
| State Code | Char | 2 | 2 - 3 | Alphabetic state code where stores are located |
| Date Range |  |  |  | Date range for effective dates of retailer update transactions |
| Beginning Date | Char | 8 | 4 - 11 | For the daily update file, the beginning date of the date range in CCYYMMDD format. For the monthly file, the date the file is produced. |
| Ending Date | Char | 8 | 12 - 19 | For the daily file, the ending date of the date range in CCYYMMDD format. For the monthly file, the date the file is produced. |
| Transaction Count | Num | 7 | 20 - 26 | Count of detail records in the file |
| Add Transaction Record Count | Num | 7 | 27 - 33 | Count of “add” transaction records in the file |
| Delete Transaction Record Count | Num | 7 | 34 - 40 | Count of “delete” transaction records in the file |
| Modify Transaction Record Count | Num | 7 | 41 - 47 | Count of “modify” transaction records in the file |
| Re-activate Transaction Record Count | Num | 7 | 48 - 54 | Count of “re-activate” transaction records in the file |
| Hash Count | Num | 8 | 55 - 62 | Numeric hash count for backwards compatibility |
| Filler | Char | 359 | 63 - 421 | Blanks(mainframe files only) |

**State Retailer Detail Records**

| **FIELD DESCRIPTION** | **FIELD TYPE** | **FIELD WIDTH** | **FIELD POSITION** | **COMMENTS** |
| --- | --- | --- | --- | --- |
| Transaction Type Code | Char | 1 | 1 | 'A' if a new store was added, “R” if a previously authorized store was reinstated (Auth Status 01, Reason Code 02) or 'M' if an existing store was modified or ‘D’ if an existing store was removed from the program. . |
| State Abbreviation | Char | 2 | 2-3 | Alphabetic State Code |
| Store Number | Num | 7 | 4 - 10 | STARS Authorization Number |
| Store Name | Char | 50 | 11-60 | Full name of store |
| Primary Telephone Number | Num | 10 | 61-70 | Full telephone number with area code |
| Alternate Telephone Number | Num | 10 | 71-80 | Telephone number to use in case Primary Telephone Number is unavailable |
| Open 24 Hours Indicator | Char | 1 | 81 | 'Y' if open 24 hours; otherwise 'N' |
| Registers Count | Num | 5 | 82-86 | Total number of check-out registers in store |
| County Code | Char | 3 | 87-89 | Code indicating county within state where store resides |
| Business Type Code | Char | 2 | 90-91 | Code indicating type of store - **see Figure 1** |
| Address Number | Char | 8 | 92-99 | Address number on street where store is located |
| Street Name | Char | 40 | 100-139 | Full name of street where store is located |
| Additional Address Info | Char | 40 | 140-179 | Supplement address information that is not contained in the street name (e.g. Suite Number) |
| City Name | Char | 30 | 180-209 | Full name of city where store is located |
| State Code | Char | 2 | 210-211 | Alphabetic state code where store is located |
| Zip Code | Num | 5 | 212-216 | 5 digit zip code where store is located |
| Zip 4 Code | Num | 4 | 217-220 | 4 digit zip code suffix where store is located |
| Authorization Status Code | Char | 2 | 221-222 | Code indicating current authorization status of store - **see Figure 2** |
| Authorization Status Date | Num | 8 | 223-230 | Effective date of current authorization status in CCYYMMDD format |
| Authorization Withdrawal Reason Code | Char | 2 | 231-232 | Reason for authorization or withdrawal- **see Figure 3** |
| Re-certification Status Date | Num | 8 | 233-240 | Date in CCYYMMDD format the store was re-certified (re-authorized) as authorized under FNS regulations based on updated data supplied by the retailer. |
| Ownership Type Code | Char | 1 | 241 | ‘1' if sole proprietorship or ‘2' if partnership or ‘3' if privately-held corporation or ‘4' if publicly owned corporation or ‘5' if cooperative or ‘6' if government or '7' if limited liability company or '8' if limited liability partnership. |
| Owner’s Name Format | Char | 1 | 242 | ‘1' if a person’s name or ‘2’ if an organization’s name (corporation, company, government, etc.) |
| Owner’s Name | Char | 50 | 243-292 | Organization or primary person that owns the retailer (if person’s name, the first 13 characters contain the first name and middle name or initial, and the last 20 characters contain the last name) |
| Mailing Address Number | Char | 8 | 293-300 | Address number on street on store mailing address |
| Mailing Street Name | Char | 40 | 301-340 | Full name of street on store mailing address |
| Mailing Additional Address Info | Char | 40 | 341-380 | Supplemental Mailing address information that is not contained in the street name (e.g. Suite Number) |
| Mailing City Name | Char | 30 | 381-410 | Full name of city on store mailing address |
| Mailing State Code | Char | 2 | 411-412 | Alphabetic state code on store mailing address |
| Mailing Zip Code | Num | 5 | 413-417 | 5 digit zip code on store mailing address |
| Mailing Zip 4 Code | Num | 4 | 418-421 | 4 digit zip code extension on store mailing address |

**NATIONAL RETAILER FILE**

**National Retailer File Header Record**

| **FIELD DESCRIPTION** | **FIELD TYPE** | **FIELD WIDTH** | **FIELD POSITION** | **COMMENTS** |
| --- | --- | --- | --- | --- |
| Transaction Type Code | Char | 1 | 1 | Blank |
| Creation Date | Char | 8 | 2 - 9 | Date this file was created in CCYYMMDD format. |
| File Type | Char | 1 | 10 - 10 | File type indicator where “D” = daily change file, “F” = full replacement file. |
| Transaction Count | Num | 7 | 11 - 17 | Count of detail records in the file |
| Filler | Char | 18 | 18 - 35 | Blanks |

**National Retailer File Trailer Record**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FIELD DESCRIPTION** | **FIELD TYPE** | **FIELD WIDTH** | **FIELD POSITION** | **COMMENTS** |
| Transaction Type Code | Char | 1 | 1 | “T” - Trailer record |
| Creation Date | Char | 8 | 2 - 9 | Date this file was created in CCYYMMDD format. |
| File Type | Char | 1 | 10 - 10 | File type indicator where “D” = daily change file, “F” = full replacement file. |
| Add Transaction Count | Num | 7 | 11 - 17 | Count of “add” detail records in the file |
| Delete Transaction Count | Num | 7 | 18 - 24 | Count of “delete” detail records in the file |
| Modify Transaction Count | Num | 7 | 25 - 31 | Count of “modify” detail records in the file |
| Filler | Char | 4 | 32 - 35 | Blanks |

**National Retailer File Detail Record**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FIELD DESCRIPTION** | **FIELD TYPE** | **FIELD WIDTH** | **FIELD POSITION** | **COMMENTS** |
| Transaction Type Code | Char | 1 | 1 | ‘A’ if store was added or ‘D’ if store was deleted or ‘M’ if state code, first ten characters of store name or business type code were modified |
| Store Identification | Num | 7 | 2 - 8 | STARS Authorization Number |
| State Code | Char | 2 | 9 - 10 | Alphabetic state code where store is located |
| Store Name | Char | 10 | 11 - 20 | First ten characters of the store name |
| Business Type Code | Char | 2 | 21 - 22 | Code indicating type of store |
| Filler | Char | 13 | 23 - 35 | Blanks |

**Code Definitions for Business Type and Authorization Status and State Code/Abbreviation**

The values for the Business Type Authorization Status Code and Reason and Withdrawal and Disqualification Codes and Reasons used in the record layouts are listed in the Figures 1, 2 and 3 and 4 below:

|  |  |  |
| --- | --- | --- |
| **Business Type Code** | **Description** | **Store or Meal Service** |
| AD | Drug and/or Alcohol Treatment Program | Meal Service |
| BB | Bakery Specialty | Store |
| BC | Non-profit Food Buying Co-op | Store |
| BW | Shelter for Battered Women and Children | Meal Service |
| CA | Community Supported Agriculture Organization | Store |
| CD | Communal Dining Facility | Meal Service |
| CO | Combination Grocery/Other | Store |
| CS | Convenience Store | Store |
| DR | Delivery Route | Store |
| DF | Direct Marketing Farmer | Store |
| FM | Farmers’ Market | Store |
| FV | Fruits/Vegetable Specialty | Store |
| GL | Group Living Arrangement | Meal Service |
| HP | Homeless Meal Provider | Meal Service |
| IR | Internet Retailer | Store |
| LG | Large Grocery Store | Store |
| MC | Military Commissary | Store |
| MD | Meal Delivery Service | Meal Service |
| ME | Meat/Poultry Specialty | Store |
| MG | Medium Grocery Store | Store |
| RE | Private Restaurant/Meal Delivery | Meal Service |
| SC | Senior Citizens’ Center/Residential Building | Meal Service |
| SE | Seafood Specialty | Store |
| SG | Small Grocery Store | Store |
| SM | Supermarket | Store |
| SS | Super Store | Store |
| WH | Wholesaler | Store |

**Figure 1. Business Type Code List**

|  |  |
| --- | --- |
| **Authorization Status Codes** | |
| **Code** | **Status** |
| 01 | Authorized |
| 03 | Withdrawn |
| 04 | Disqualified |
| 07 | Permanent Disqualification |
| 10 | Permanently Withdrawn |

**Figure 2**

**Authorization Status Code List**

|  |  |  |
| --- | --- | --- |
| **Status (Status Code)** | **Code** | **Reason** |
| Authorized (01) | 01 | Initial Authorization |
| Authorized (01) | 02 | Reinstated |
| Withdrawn (03) | 01 | Voluntary Withdrawal |
| Withdrawn (03) | 02 | Involuntary – Other |
| Withdrawn (03) | 03 | Involuntary - Withdrawn |
| Withdrawn (03) | 04 | Involuntary – Does not meet Criteria A or Criteria B |
| Withdrawn (03) | 05 | Involuntary – Not a Retail Food Store |
| Withdrawn (03) | 06 | Involuntary – Failure to Cooperate |
| Withdrawn (03) | 07 | Involuntary – Failure to Pay |
| Withdrawn (03) | 08 | Involuntary – Business Integrity |
| Withdrawn (03) | 09 | Involuntary – Non-Redeemer |
| Withdrawn (03) | 10\* | Involuntary – No State Contract\* |
| Withdrawn (03) | 11 | Involuntary – Failure to Cooperate with Reauthorization Process |
| Disqualified (04) | 01 | SNAP Violation |
| Disqualified (04) | 02 | WIC Program Violation |
| Disqualified (04) | 03 | Failure to Pay |
| Permanently Disqualified (07) | 01 | SNAP Violation |
| Permanently Disqualified (07) | 02 | WIC Program Violation |
| Permanently Disqualified (07) | 03 | Failure to Pay |
| Permanently Withdrawn (10) | 01 | Business Integrity |

**\***This code only applies to authorized meal services that are withdrawn from the Program for failure to maintain or renew state certification

**Figure 3**

**Status Reason Code List**

|  |  |
| --- | --- |
| **State Abbreviation Codes** | |
| **State/Possession** | **Code** |
| ALABAMA | AL |
| ALASKA | AK |
| AMERICAN SAMOA | AS |
| ARIZONA | AZ |
| ARKANSAS | AR |
| CALIFORNIA | CA |
| COLORADO | CO |
| CONNECTICUT | CT |
| DELEWARE | DE |
| DISTRICT OF COLUMBIA | DC |
| FEDERATED STATES OF MICRONESIA | FM |
| FLORIDA | FL |
| GEORGIA | GA |
| GUAM | GU |
| HAWAII | HI |
| IDAHO | ID |
| ILLINOIS | IL |
| INDIANA | IN |
| IOWA | IA |
| KANSAS | KS |
| KENTUCKY | KY |
| LOUISANA | LA |
| MAINE | ME |
| MARSHALL ISLANDS | MH |
| MARYLAND | MD |
| MASSACHUSETTS | MA |
| MICHIGAN | MI |
| MINNESOTA | MN |
| MISSISSIPPI | MS |
| MISSOURI | MO |
| MONTANA | MT |
| NEBRASKA | NE |
| NEVADA | NV |
| NEW HAMPSHIRE | NH |
| NEW JERSEY | NJ |
| NEW MEXICO | NM |
| NEW YORK | NY |
| NORTH CAROLINA | NC |
| NORTH DAKOTA | ND |
| NORTHERN MARIANA ISLANDS | MP |
| OHIO | OH |
| OKLAHOMA | OK |
| OREGON | OR |
| PALAU | PW |
| PENNSYLVANIA | PA |
| PUERTO RICO | PR |
| RHODE ISLAND | RI |
| SOUTH CAROLINA | SC |
| SOUTH DAKOTA | SD |
| TENNESSEE | TN |
| TEXAS | TX |
| UTAH | UT |
| VERMONT | VT |
| VIRGIN ISLANDS | VI |
| VIRGINIA | VA |
| WASHINGTON | WA |
| WEST VIRGINIA | WV |
| WISCONSIN | WI |
| WYOMING | WY |

**Additional Information for State Retailer File**

1. A modify transaction will contain all of the current data for a retailer. It does not **just** identify the elements that have changed.
2. The Zip 4 Code field will contain zeroes if the zip code is unknown.
3. If the retailer’s mailing address is the same as the location address, the mailing address’s character type fields will contain spaces and its numeric type fields will contain zeros. There are some retailers in the file, however, where the same information is reflected in both fields.
4. The monthly file will contain one add transaction for each authorized retailer within the state that is in the STARS database. An authorized retailer will have an authorization status code of "01" (Authorized). A de-authorized retailer would have an authorization status code of "03" (Withdrawn) or "04" (Disqualified) or "07" (Permanently Disqualified) or "10" (Permanently Withdrawn).
5. There are a few retailers that do not have a street address. This is a valid situation in certain cases. For instance, it is possible that the store is not on a street. Such as on an Indian Reservation.
6. Retailers that are involuntarily removed from the Food Stamp Program will be given a five-day grace period after the effective until the removal is reflected in the REDE files. This grace period potentially allows for any appeals of the removal. The exception to this grace period is for permanent disqualifications (an authorization status code of “07”) where there is no suspension of the disqualification pending the outcome of an appeal.
7. Retailers that have been added to STARS as a new retailer, with an open date in the future, **will be** sent in the daily State Update File as soon as they are entered into STARS. This differs from the National Update File where future dated store **will not be** included in the daily National Update File **until 3 days prior to the effective date.**

File Format for AMA

**FILE Formats (INCOMING)FILE Formats (INCOMING)**

Each batch issuance file received by AMA must be in the format specified below in order for data to be successfully processed.

**Issuance Files Issuance Files**

Processors may send batch files that contain issuance data. Each file is required to have a File Header Record and a File Trailer Record. If the file contains only a File Header Record and File Trailer Record, then the file trailer’s File-Record-Count must be 000002 and the file will be treated as an “empty” file.

If the file is not “empty” it must contain at least one project header record, at least one effective date detail record for each project header record, one to five unique detail transaction records for each effective date record, and a project trailer record for each project header. The records should be sequenced in the following manner:

* + Project Header Records should appear in ascending order based on the combination of Agency-Location-Code, Region-Code, Recipient-Organization-ID, Program-Year-Code, and Letter-Of-Credit-Code.
  + Detail Effective Date Records should appear in ascending order within each project based on Effective-Date.
  + Detail Transaction Code Records should appear in ascending order within each effective date based on Transaction-Code.

The following depicts the format of this file: File is fixed block

Record size is 80 characters

***File Header Record***

|  |  |  |
| --- | --- | --- |
| ***Field*** | ***Length/Type*** | ***Valve/Description*** |
| *Record Type* | PIC X(02) | *‘FH’* |
| *Processor ID* | PIC 9(08) | Number which uniquely identifies a processor; FRB Operations will provide this number to each processor before the processor begins transmitting issuance files |
| *File Number* | PIC 9(06) | Must be unique for the Project ( If a processor handles more than one state, the beginning file number may vary) |
| *File Creation Date* | PIC 9(08) | *‘CCYYMMDD’ format* |
| *File Creation Time* | PIC 9(06) | *‘HHMMSS’ format* |
| *Filler* | PIC X(50) | *SPACES* |

***Project Header Record*** (Duplicate Project Header Records are not allowed within a file.)

|  |  |  |
| --- | --- | --- |
| **Field** | **Length/Type** | **Value/Description** |
| Record Type | PIC X(02) | ‘PH’ |
| Agency Location Code | PIC X(08) | ‘12350001’ |
| Region Code | PIC X(02) | ‘09’ |
| Recipient Organization ID | PIC 9(07) | Recipient Organization ID for the project |
| Program Year Code | PIC X(04) | ‘0080’ |
| Letter of Credit Code | PIC X(04) | Letter of Credit Code for the project |
| Index Code | PIC X(12) | ‘9S6008’ |
| Filler | PIC X(41) | SPACES |

***Detail Record - Effective Date*** (Duplicate Effective Date Records are not allowed)

|  |  |  |
| --- | --- | --- |
| **Detail Record – Effective Date Field** | **Length/Type** | **Value/Description** |
| Record Type | PIC X(02) | ‘PD’ |
| Detail Type | PIC X(02) | ‘ED’ |
| Effective Date | PIC 9(08) | ‘CCYYMMDD’ |
| Filler | PIC X(68) | SPACES |

***Detail Record - Transaction Code*** (Duplicate Transaction Code Records are not allowed within an effective date.)

|  |  |  |
| --- | --- | --- |
| **Field** | **Length/Type** | **Value/Description** |
| Record Type | PIC X(02) | ‘PD’ |
| Detail Type | PIC X(02) | ‘PB’ |
| Transaction Code | PIC X(02) | ‘IO’ (issuance other)  ‘IS’ (issuance)  ‘RC’ (return coupon)  ‘RE’ (return expungement)  ‘RO’ (return other) |
| Transaction Amount | PIC 9(12 V(02) |  |
| Filler | PIC X(60) | SPACES |

**Project Trailer Record**

|  |  |  |
| --- | --- | --- |
| **Field** | **Length/Type** | **Value/Description** |
| Record Type | PIC X(02) | ‘PT’ |
| Agency Location Code | PIC X(08) | ‘12350001’ |
| Region Code | PIC X(02) | ‘09’ |
| Recipient Organization Code | PIC 9(07) | Must match the Project Header Record |
| Program Year Code | PIC X(04) | ‘0080’ |
| Letter of Credit Code | PIC X(04) | Must match the Project Header Record |
| Index Code | PIC X(12) | ‘9S6008’ |
| Filler | PIC X(06) | SPACES |
| Project Total Amount | PIC 9(12) V(02) | Sum of all transaction amounts for current project (will be positive number since each transaction amount is positive) |
| Project Record Count | PIC 9(06) | Count of all records for current project including Project Header and Project Trailer records |
| Filler | PIC X(15) | SPACES |

**File Trailer Record**

|  |  |  |
| --- | --- | --- |
| **Field** | **Length/Type** | **Value/Description** |
| Record Type | PIC X(02) | ‘FT’ |
| Processor ID | PIC 9(08) | Must match File Header Record |
| File Number | PIC 9(06) | Must match File Header Record |
| File Creation Date | PIC 9(08) | Must match File Header Record |
| File Creation Time | PIC 9(06) | Must match File Header Record |
| File Record Count | PIC 9(06) | Count of all records in file including File Header and File Trailer records |
| Filler | PIC X(44) | SPACES |

SAMPLE FILE

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Top of Data \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

FHXXXXXXXX00000010000229003710

PH1235000109NNNNNNN0080YYYY9S6008

PDED20000228

PD

PBIS00000000255055

PDED20000229

PDPBIS00000003006507

PT1235000109NNNNNNN0080YYYY9S6008 00000003261562000006

FTXXXXXXXX00000010000229003710000008

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Bottom of Data \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

XXXXXXXX - Processor ID

NNNNNNN - RO-ID

YYYY - Letter of Credit Code for the Project

**EBT Detail Transactions File Specifications**

**G.1. Compressed Files containing submission files**

* 1. 1. File format: ZIP
  2. 2. ASCII Encoded
  3. 3. File Naming Standards:

<Processor Site Name>\_<YYYY><MM><Submission Sequence Number>[Optional Replacement Indicator].ZIP

<Processor Site Name> Processor Site sending submissions with spaces replaced by hyphens (i.e., XYZ-Corp)

**NOTE**: <Processor Site Name> used here should match Header/Trailer value

<YYYY> Four digit year

<MM> Two Digit Month with leading zeroes (01 – 12)

<Submission Sequence Number> See next section for values.

[Optional Replacement Indicator] “Rn” when included indicates file is a eplacementand includes a replacement sequence number (starting at one (1)) for the submission file already provided.

Examples:

XYZ-Corp\_20060901.ZIP

ABC-Corp-GA\_20060900.ZIP

XYZ-Corp\_20060901R1.ZIP Example replacement compressed file

**NOTE**: "Replacement" Compressed Files contain only those submission files being replaced. When submissions are provided daily, each "day" of replacement compressed files must be provided separately.

Example:

XYZ-Corp\_20060901R1.ZIP – would contain all submissions for 9/1/2006 being replaced.

XYZ-Corp\_20060902R2.ZIP – would contain all submissions for 9/2/2006 being replaced.

File contents will be all submissions for the recipient state managed by site.

Example: ABC-Corp-GA\_20060901.ZIP would contain the following:

DC20060901.DAT

MD20060901.DAT

VA20060901.DAT

EBT Detail Transaction File Specifications G - 1 May 31, 2007 USDA Food & Nutrition Service ALTA Systems Inc. EBT Subsystems Task No.: 43-3198-4-0114

**G.2. Submission Files Enclosed in Compressed File**

* 1. 1. File Format: Fixed Record Length; Fixed Column width; records Delimited by Carriage Return (Hex “0D”) Linefeed (Hex “0A”) characters

2. ASCII Encoded

3. File Naming Standards:

<Recipient State><YYYY><MM><Submission Sequence Number>[Optional Replacement Indicator].DAT

<Recipient State> State Abbreviation of State, Territory, or District of Columbia

<YYYY> Four digit year

<MM> Two digit month with leading zeroes (01 – 12)

<Submission Sequence Number> See next section for values

[Optional Replacement Indicator] “Rn” when included indicates file is a replacement and includes a replacement sequence number (starting at one (1)) for the submission file already provided.

Examples:

MD20060901.DAT

GU20060900.DAT

VA20060901R1.DAT Example replacement submission file

**Sequence**

**Number**

00 Monthly Submissions

01 – 31 Daily Submissions

**Submission File Record Sequence**

Header Record

Detail Transaction Record 1

Detail Transaction Record 2

Detail Transaction Record 3

:

:

:

Detail Transaction Record n

Trailer Record

**Table G-1 - EBT Submission Header and Trailer Record Specification**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Description** | **Starting Position** | **Length** | **Type** | **Comments** | **Update Status** |
| Recipient State | 1 | 2 | Alpha | Alphabetic Abbreviation (i.e., VA) of state providing benefits to enclosed recipients | No Change |
| Redemption Year | 3 | 4 | Numeric | Four digit year (i.e., 2006) representing year in which enclosed transactions were conducted | Increased from 2 digits |
| Redemption Month | 7 | 2 | Numeric | Two digit month  Values: 01 – 12 representing the month in which enclosed transactions were conducted | No Change |
| Sequence Number | 9 | 2 | Numeric | Two digit sequence number (See Table 1) of submission | New |
| Number of transactions included | 11 | 9 | Numeric | Number of transaction records included (does not include header/trailer records in count). “Header Record” may contain a value of zero, but Trailer Record MUST contain valid count | No Change |
| EBT Vendor Site Name | 20 | 30 | Alphanumeric | Name of submitting vendor site with spaces replaced by hyphens (not State Agency) [i.e., JP-Morgan\_Site-1, eFunds-Site-2, etc.] | No Change |
| File generation date | 50 | 8 | Date | Date file generated in CCYYMMDD format | No Change |
| Period Start Date | 58 | 8 | Date | Starting date for enclosed transactions in CCYYMMDD format | No Change |
| Period Start Time | 66 | 6 | Time | Starting time for enclosed transactions in HHMMSS 24 hour format (GMT) | New |
| Period End Date | 72 | 8 | Date | Ending Date for enclosed transactions in CCYYMMDD format | No Change |
| Period End Time | 80 | 6 | Time | Ending time for enclosed transactions in HHMMSS 24 hour format (GMT) | New |
| Site Time Zone Offset | 86 | 2 | Numeric | Number of hours that processing site is offset from GMT (i.e., EST value is 05) | New |
| Site Daylight Savings Time Indicator | 88 | 1 | Numeric | 0 – Operating on Standard Time  1 – Operating on Daylight Savings time | New |
| Record Delimiter | 89 | 2 | CrLf | Carriage Return ASCII Hex Value 0D  Linefeed ASCII Hex Value 0A | No Change |

**Sequence Numbers**

00 Monthly Submissions

01 – 31 Day of Submission (i.e., 15 for 15th of month)

**G.3. Header/Trailer Record Contextual Requirements**

* 1. Header Record must be first record in submission file.
  2. Trailer Record must be last record in submission file.
  3. Trailer Record must have the number of transactions enclosed in submission file (count does not include number of Header/Trailer Records).
  4. Period Ending Date and Time must be later than Period Starting Date and Time and all transactions included in submission must have Date and Time values that fall between the start and end values provided on Header/Trailer record.
  5. On Daily Submissions, Time between Period Start Date and Time and Period Ending Date and Time must constitute no more than 24 hours.
  6. While the specific value of “Name of Submitting Vendor” column is not critical it must allow specific Point of Contact to be identified so that automated notifications can be implemented.

Examples:

a. For vendors with single host site, a single value must be used for all submission files submitted by that vendor. (i.e., “XYZ-Corp”).

b. For vendors with multiple host sites or with points of contact responsible for a subset of states serviced by vendor company, a unique designator must be used.

|  |  |  |
| --- | --- | --- |
| **ABC Corp Site** | **State(s) Responsible for** | **Example Value for column** |
| Atlanta, GA | DC, MD, VA | ABC-Corp-GA |
| Boston, MA | NY, NH, MA, ME | ABC-Corp-MA |

Example (Daily Submission Header):

----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9

DC20060204000000000XYZ-Corp 200602052006020400000020060204235959051□□

|  |  |
| --- | --- |
| **Description** | **Value** |
| Recipient State | DC |
| Redemption Year | 2006 |
| Redemption Month | 02 |
| Sequence Number | 04 |
| Number of transactions included | 000000000 |
| Site Name of EBT Vendor | XYZ Corp |
| File generation date | 2006 02 05 |
| Period Start Date | 2006 02 04 |
| Period Start Time | 00 00 00 |
| Period End Date | 2006 02 04 |
| Period End Time | 23 59 59 |
| Site Time Zone Offset | 05 (ET) |
| Site Daylight Savings Time | 1 |
| Record Delimiter | Hex 0D0A |

**NOTE**: The symbol “□” is used as a representation for the non-printable carriage return and linefeed characters used to delimit each record.

Example (Monthly Submission Header):

----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9

DC20060200000000000XYZ-Corp 200603012006020100000020060228235959051□□

|  |  |
| --- | --- |
| **Description** | **Value** |
| Recipient State | DC |
| Redemption Year | 2006 |
| Redemption Month | 02 |
| Sequence Number | 00 |
| Number of transactions included | 000000000 |
| Site Name of EBT Vendor | XYZ Corp |
| File generation date | 2006 03 01 |
| Period Start Date | 2006 02 01 |
| Period Start Time | 00 00 00 |
| Period End Date | 2006 02 28 |
| Period End Time | 23 59 59 |
| Site Time Zone Offset | 05 (ET) |
| Site Daylight Savings Time | 1 |
| Record Delimiter | Hex 0D0A |

**Table G-2 - EBT Transaction Record Specification**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Description** | **Starting Position** | **Length** | **Type** | **Comments** | **Update Status** |
| FNS Retailer ID Number | 1 | 7 | Numeric | Valid FNS Number identifying retailer | No Change |
| Retailer State Location | 8 | 2 | Alpha | State Abbreviation for retailer location | No Change |
| POS Terminal Id | 10 | 8 | Alphanumeric | ID (unique within retailer) of POS Terminal with trailing blanks | No Change |
| House Account Number | 18 | 14 | Alphanumeric | Account number that identifies household of card bearing recipient with trailing blanks | No Change |
| Card Account Number | 32 | 19 | Alphanumeric | Account Number on card stock used in transaction with trailing blanks | No Change |
| Transaction Date | 51 | 8 | Date | Date Transaction Completed in CCYYMMDD format (based on GMT) | Changed to GMT |
| Transaction Time | 59 | 6 | Time | Time in HHMMSS 24 hour format (in GMT) | Changed to GMT |
| Transaction Amount | 65 | 6 | Numeric | Transaction Amount in 9999V99 (assumed 2 decimal places) [i.e., 123456 to represent $1234.56] | No Change |
| Transaction Sign | 71 | 1 | + or - | + to designate credit to recipient  - to designate debit to recipient  Ignored for Balance Inquiry type transactions | No Change |
| EBT Program | 72 | 2 | Numeric | 00 – Food Stamp Program | No Change |
| Transaction Type | 74 | 2 | Numeric | 10 – Purchase  20 – Refund/Return  30 – Void last transaction  40 – Balance Inquiry | No Change |
| Transaction Method | 76 | 1 | Numeric | 0 – Electronic Swipe  1 – Manual/Key Entered  2 – Paper Voucher (Settled)  3 – RFID/Pay by Touch  4 – Paper Voucher (Authorization) | Method Changes |
| Store & Forward Indicator | 77 | 1 | Numeric | 0 – Not a store & forward  1 – Denied  2 – Partially Approved  3 – Fully Approved | New |
| Response Code | 78 | 3 | Alphanumeric | Indicator for accepted or rejected transactions (see Table 2 for valid entries) | Enhanced for ANSI X9.58 - 2002 |
| Available Balance prior to transaction | 81 | 6 | Numeric | Balance Amount in 9999V99 (assumed 2 decimal places) [i.e., 123456 to represent $1234.56] | No Change |
| Filler | 87 | 2 | N/A | Contents Ignored | Filler Reduced |
| Record Delimiter | 89 | 2 | CrLf | Carriage Return ASCII Value 0D  Linefeed ASCII Value 0A | No Change |

**Table G-3 - Valid Response Code Combination**

|  |  |  |  |
| --- | --- | --- | --- |
| **New**  **Response Code** | **ANSI Code1**  **(bit 039)** | **Response Description** | **Old Response Code Value** |
| 000 | 00 | Accepted/Approved | 000 |
| 151 | 51 | Insufficient funds | 110 |
| 161 | 61 | Return exceeds benefit authorization | |
| 155 | 55 | Invalid PIN/PIN not selected | 120 |
| 175 | 75 | PIN Tries Exceeded | 121 |
| 102 | 02 | Bad FNS Status for Merchant | 130 |
| 103 | 03 | Invalid Merchant | |
| 141 | 41 | Lost Card | 140 |
| 143 | 43 | Lost/Stolen Card | |
| 141 | 42 | No Account | 141 |
| 152 | 52 | No Account on File | |
| 154 | 54 | Expired Card | 142 |
| 156 | 56 | Card Number not found | 150 |
| 159 | 59 | Fraud (Return Card) | 151 |
| 162 | 62 | Restricted Card | 152 |
| 105 | 05 | General Denial | 160 |
| 1A1 | A1 | Invalid Voucher ID/Invalid Authorization Number | 180 |
| 1A2 | A2 | Approval Code does not match voice approval code | |
| 1A3 | A3 | Amount is greater than voice approval code | |
| 1A4 | A4 | Original voice authorization not found for card holder | |
| 1A5 | A5 | FNS number does not match original voice authorization | |
| 1A6 | A6 | Item already cleared | |
| 106 | 06 | Invalid Transaction | |
| 112 | 12 | Invalid Transaction Type | |
| 113 | 13 | Invalid Amount Field | |
| 114 | 14 | Invalid Card Number | |
| 119 | 19 | Re-enter Transaction | 180 |
| 123 | 23 | Unacceptable Transaction Fee | |
| 130 | 30 | Format Error | |
| 131 | 31 | Card has Invalid ISO Prefix | |
| 140 | 40 | Function Not Available | |
| 157 | 57 | Transaction not permitted to cardholder | |
| 158 | 58 | Invalid Transaction | |
| 176 | 76 | Key Synchronization Error | |
| 180 | 80 | Voucher Expired | |
| 186 | 86 | Invalid Security Code | |

1. From the “ANSI X9.58-2002 Financial transaction messages – Electronic Benefit Transfer (EBT) – Food Stamps”

**New Response Code ANSI Code1**

|  |  |  |  |
| --- | --- | --- | --- |
| 192 | 92 | Transaction destination cannot be found for routing | |
| 190 | 90 | Processor not logged on | 190 |
| 191 | 91 | Authorizer Not Available | |
| 196 | 96 | System malfunction | 190 |
| 1S5 | S5 | Pin not selected | |

**G.4. Transaction Record Contextual Requirements**

* 1. FNS Number and Retailer State Location must match FNS STARS system provided values.
  2. Transaction Date and Time must be between Header/Trailer Record Period Start Date and Time and Period Ending Date and Time.
  3. “Accepted/Approved” (Response Code = “000”) Purchase (Transaction Type = “10”) transactions must have Amount value no more than Available Prior Balance value.
  4. “Accepted/Approved” (Response Code = “000”) Balance Inquiry (Transaction Type = “40”) must have Available Prior Balance Value and Amount must be zero ($0.00).
  5. Store & Forward transactions with "Denied" Indicator ("1") must have appropriate Response Code (i.e., "151" [Insufficient Funds]).
  6. Store & Forward transactions with "Partially Approved" Indicator ("2") must have the amount approved in the Amount field.
  7. 7. “Accepted/Approved” (Response Code = “000”) Void Last Transaction (Transaction Type = “30”) must immediately follow “Accepted/Approved” (Response Code = “000”) Purchase (Transaction Type = “10”) or Refund (Transaction Type = “20”) being reversed and the following encoding must be followed:

a. FNS Number values must match.

b. Household Account values must match.

c. Card Number values must match.

d. POS Terminal ID values must match.

e. Absolute value of Amount values must match.

f. Balance Prior to Transaction must be consistent with card holder's activity.

Example Purchase reversed by Void Last:

----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9

:

1234567VA34263601YYYYYYYYYYYY XXXXXXXXXXXX1069 20060206181415010280-001000000028142 □□

1234567VA34263601YYYYYYYYYYYY XXXXXXXXXXXX1069 20060206183751010280+003000000017862 □□

:

**Table G-4 - Transaction Record Values**

|  |  |  |
| --- | --- | --- |
| **Decription** | **Record 1 Value** | **Record 2 Value** |
| FNS Retailer ID Number | 1234567 | 1234567 |
| Retailer State Location | VA | VA |
| POS Terminal Id | 34263601 | 34263601 |
| House Account Number | YYYYYYYYYYYY | YYYYYYYYYYYY |
| Card Account Number | XXXXXXXXXXXX1069 | XXXXXXXXXXXX1069 |
| Transaction Date | 20060206 (2006-02-06) | 20060206 (2006-02-06) |
| Transaction Time | 181415 (18:14:15) | 183751 (18:37:51) |
| Transaction Amount | 010280 ($102.80) | 010280 ($102.80) |
| Transaction Sign | - | + |
| EBT Program | 00 | 00 |
| Transaction Type | 10 (Purchase) | 30 (Void Last) |
| Transaction Method | 0 (Electronic) | 0 (Electronic) |
| Store and Forward Indicator | 0 (Not store and Forward) | 0 (Not store and Forward) |
| Response Code | 000 (Accepted) | 000 (Accepted) |
| Available Balance prior to transaction | 028142 ($281.42) | 017862 ($178.62) |
| Filler | blank | blank |
| Record Delimiter | 0D0A | 0D0A |

8. “Rejected” (Response Code between “102” and “1S5”) where all authentication credentials have been met (authorized retailer, valid card number and PIN, etc.) must have Transaction Amount and Available Balance Prior to Transaction values encoded.

Example (Rejected due to Insufficient Funds):

----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9

:

1234567VA34263601YYYYYYYYYYYY XXXXXXXXXXXX1069 20060206181415028242-001000**151**028142 □□

**Table G-5 – Rejected Record Values**

|  |  |
| --- | --- |
| **Description** | **Value** |
| FNS Retailer ID Number | 1234567 |
| Retailer State Location | VA |
| POS Terminal Id | 34263601 |
| House Account Number | YYYYYYYYYYYY |
| Card Account Number | XXXXXXXXXXXX1069 |
| Transaction Date | 20060206 (2006-02-06) |
| Transaction Time | 181415 (18:14:15) |
| Transaction Amount | 028242 ($282.42) |
| Transaction Sign | - |
| EBT Program | 00 |
| Transaction Type | 10 (Purchase) |
| Transaction Method | 0 (Electronic) |
| Store and Forward Indicator | 0 (Not store and Forward) |
| Response Code | 151 (Rejected – NSF) |
| Available Balance prior to transaction | 028142 ($281.42) |
| Filler | blank |
| Record Delimiter | 0D0A |

1. **Sample Submission Contents**

|  |  |  |
| --- | --- | --- |
| Record Type | Record Number | ----+----1----+----2----+----3----+----4----+----  5----+----6----+----7----+----8----+----9 |
| Header | 1 | DC20060204000000000XYZ-Corp 200602052006020400000020060204235959051□□ |
| Detail | 2 | 1234567VA34263601YYYYYYYYYYYY XXXXXXXXXXXX1069  20060204181415010280-001000000028142 □□ |
| Detail | 3 | 1234567VA34263601YYYYYYYYYYYY XXXXXXXXXXXX1069 20060204183751010280+003000000017862 □□ |
|  | : |
|  | : |
| Detail | 785 | 1234568DC34263601ZZZZZZZZZZZZ XXXXXXXXXXXX1092  20060204181415028242-001000151028142 □□ |
| Trailer | 786 | DC20060204000000784XYZ-Corp  200602052006020400000020060204235959051□□ |