EXHIBIT 2 - CURRENT FNS FILE FORMATS

AMA-RECORD FORMAT for Batch Issuance File from Processor

File Formats (Incoming)

Each batch issuance file received by Account Management Agent (AMA) **must** be in the format specified below in order for data to be successfully processed.

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 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 a least one (1) project header record, at least one (1) effective date detail record for each project header record, one to five (1-5) 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 block
Record size is characters

File Header Record

Field	Length/Type	Value/Description

** If a processor handles more than one (1) state, the beginning file number may vary.

Project Header Record

Field	Length/Type	Value/Description

Detail Record – Effective Date

Field	Length/Type	Value/Description

Detail Record – Transaction Code

Field	Length/Type	Value/Description

Project Trailer Record

Field	Length/Type	Value/Description

File Trailer Record

Field	Length/Type	Value/Description

Sample File
**************************************Top of Data***************************************

The FNS File details all food benefit activity taking place against the benefit authorizations on the EBT System database.

This **will** be sent to FNS only, not to the State.

Interface Control Document (ICD) - Details the interface between the State and the vendor's EBT System. The ICD documents the interface functionality requirements and details the file layouts and specifications. This document **shall** be updated within thirty (30) days of any changes

FNS Header Record

Field Name	Format	Comments
	X(2)	Constant = 1
FRD-ABA	9(9)	FRDABA number with check digit; right justified and left zero filled.
Suffix Code	X(7)	Suffix code from CONFIG.
State	X(2)	State postal code.
County Code	X(3)	County code from CONFIG.
File Create Date	9(6)	YYMMDD
File Create Time	9(4)	HHMM
FNS Location Code	9(4)	The identifying number for the LOC at FED for food benefits. This field is right justified and left zero filled.
Filler	X(43)	Field is set to blanks.

Record Length: eighty (80) bytes

FNS Detail Record

Field Name	Format	Comments
	X(1)	Constant = b
ACH Send Date	9(6)	YYMMDD
Filler	X(12)	Field is set to blanks.
Merchant Net Amount	s9(7)v99	Net amount of deposit or withdrawal from the merchant's account + NNNNNNN.NN = deposit - NNNNNNN.NN = withdrawal
FNS ID Number	9(7)	FNS ID number of the store
Filler	X(44)	Field is set to blanks.

Record Length: eighty (80) bytes

Detail records are created and listed by the posting date and the merchant's FNS ID number.

FNS Date Total Record

Field Name	Format	Comments
	X(1)	Constant = C
ACH Send Date	9(6)	YYMMDD
Number of Detail Records	9(6)	Number of detail records on the file; right justified and left zero filled.
Filler	X(6)	Field is set to blanks.
Merchant Net Amount	s9(7)v99	Net amount of deposit or withdrawal from the merchant's account. + NNNNNNN.NN = deposit - NNNNNN.NN = withdrawal
Filler	X(7)	Field is set to blanks.
File Net Amount	s9(9)v99	Net amount for this file.
Filler	X(32)	Field is set to blanks.

Record Length: eighty (80) bytes

Date records are created and listed by posting date. The posting date is the date the money movement was reported and the entry was submitted to the ACH System.

FNS Trailer Record

Field Name	Format	Comments
	X(1)	Constant = T
Filler	X(6)	Field is set to blanks.
Number of Detail Records	9(6)	Number of detail records on the file
Filler	X(6)	Field is set to blanks.
Merchant Net Amount	s9(7)v99	Net amount of deposit or withdrawal from the merchant's account. + NNNNNNN.NN = deposit - NNNNNN.NN = withdrawal
Filler	X(7)	Field is set to blanks.
File Net Amount	s9(9)v99	Net amount for this file.
Filler	X(32)	Field is set to blanks.

Record Length: eighty (80) bytes

ACH File
The ACH file is processed daily and contains the debits and credits for all merchant and client bank accounts affected by the day's activity.

File Header Record

Field Name	Format	Comments
Record Type Code	9(1)	Constant = 1
Priority Code	9(2)	Constant = 02
Originating FI Identification	9(10)	
File Identification	X(10)	
Transmission Date	9(6)	Format: YYMMDD
Transmission Time	9(4)	Format: HHMM
File ID Modifier	X(1)	Constant = A
Record Size	9(3)	Constant = 094
Blocking Factor	X(2)	Fields set to blanks
Format Code	9(1)	Constant = 1
Originating FI Name	X(23)	
Company Name	X(23)	
Reference Code	X(8)	

Company/Batch Header Record

Field Name	Format	Comments

Field Name	Format	Comments
Record Type Code	9(1)	Constant = 5
Service Class Code	9(3)	Identifies the type of dollar items included in the ACH. Valid values: 200 = Debits and credits 220 = Credits only 225 = Debits only 280 = Automated accounting
Company Name	X(16)	Identifies the source of the entry.
Company Discretionary Data	X(20)	
Company Identification	X(10)	Required
Standard Entry Class	X(3)	Constant = CCD
Company Descriptions	X(10)	
Company Descriptive Data	X(6)	
Effective Entry Date	9(6)	Format: YYMMDD
Reserved	X(3)	Field is set to blanks
Originator Status Code	9(1)	Constant = 1

Originating Routine & Transit Number	9(8)	**Transit routing number of the originating depository financial institution.**
Batch Number	9(7)	

Entry Detail Record

Field Name	Format	Comments
Record Type Code	9(1)	Constant = 6
Transaction Code	9(2)	Identifies the type of transactions included in the record.
Receiving Routing & Transit Number	9(8)	
R&T Check Digit	9(1)	
Account Number	X(17)	
Amount	9(10)	
Individual ID Number*	X(15)	
Individual Name*	X(22)	
Discretionary Data	9(2)	
Agenda Record Indicator	9(1)	
Agenda Record Indicator	9(15)	

*These fields have been switched to offer merchants a clearer description on their bank statements.

Company/Batch Control Record

Field Name	Format	Comments
Record Type Code	9(1)	Constant = 8
Service Class Code	9(3)	Constant = 200
Entry/Addenda Count	9(6)	
Entry Hash	9(10)	Zero filled
Total Debit Entry Amount	9(12)	
Total Credit Entry Amount	9(12)	
Company Identification	X(10)	
Reserved	X(25)	Field is set to blanks.
Reserved	X(6)	Field is set to blanks.
Originating Routing & Transit Number	9(8)	
Batch Number	9(7)	

File Control Record

Field Name	Format	Comments
Record Type Code	9(1)	Constant = 9
Batch Count	9(6)	
Block Count	9(6)	
Entry/Addenda Count	9(8)	
Entry Hash	9(10)	Zero filled
Total Debit Entry Amount	9(12)	
Total Credit Entry Amount	9(12)	
Reserved	X(39)	Field is set to blanks.

National EBT Retailer Data File (REDE)

The National EBT Retailer Data File lists all merchants that have been certified by the FNS to accept food benefit transactions when they participate in EBT.

This file is received from FNS, not from State.

National EBT Retailer Data Header Record

Field Name	Format	Comments
Transaction Type Code	X(1)	Blank
Creation Date	X(8)	Date the file was created Format: CCYYMMDD
File Type	X(1)	File type indicator D = Daily F = Full Replacement
Transaction Count	9(7)	Count of detail records
Filler	X(18)	Field is set to blanks.

Record Length-thirty-five (35) bytes

National EBT Retailer Data Detail Record

Field Name	Format	Comments
Transaction Type Code	X(1)	A = Indicates store added D = Indicates store deleted M = Indicates State code or first (1st) ten (10) characters of store name were modified
Store Identification	9(7)	STARS Authorization Number
State Code	X(2)	Alphabetic State code where store is located
Store Name	X(10)	First (1st) ten (10) characters of the store name
Filler	X(18)	Field is set to blanks.

Record Length: thirty-five (35) bytes

National EBT Retailer Data Trailer Record

Field Name	Format	Comments
Transaction Type Code	X(1)	T = Trailer record
Creation Date	9(8)	Date the file was created Format: CCYYMMDD
File Type	X(1)	**File type indicator** **D = Daily** **F = Full Replacement**
Add Transaction Count	X(7)	Total number of add records
Delete Transaction Count	X(7)	Total number of delete records
Modify Transaction Count	X(7)	Total number of modify records
Filler	X(4)	Field is set to blanks.

Record Length: thirty-five (35) bytes

ALERT File

The ALERT File details all accepted food benefit activity and reversals taking place against the benefit authorizations on the EBT System database. Note: This file **will** be sent to FNS by the vendor, not to the State.

ALERT File Header/ Trailer

Field Name	Format	Comments
Recipient State	X(2)	Alphabetic Abbreviation (i.e.AR) of state providing benefits to enclosed recipients
Redemption Year	9(4)	Four digit year, i.e.2015, representing year in which enclosed transactions were conducted
Redemption Month	9(2)	Two (2) digit month Values: 01 – 12 representing the month in which enclosed transactions were conducted
Sequence Number	9(2)	Two (2) digit sequence number 00 – Monthly Submissions 01 – 31 – Day of Submission
Number of transactions included	9(9)	Number of transaction records included (does not include header/trailer records in count). – Header Record may contain a value of zero, but Trailer Records **MUST** contain valid count
EBT Vendor Site Name	X(30)	Name of submitting vendor site with spaces replaced by hyphens (not State agency), i.e., JP-Morgan_site-1, FIS-Site-2, 3 – ACS etc.)
File Generation Date	Date	Date file generated in CCYYMMDD
Period Start Date	Date	Starting date for enclosed transactions in CCYYMMDD format
Period Start Time	Time	Starting time for enclosed transactions in HHMMSS twenty four (24) hour format (GMT)
Period End Date	Date	Ending date for enclosed transactions in CCYYMMDD format
Period End Time	Time	Ending time for enclosed transactions in HHMMSS 24 hour format (GMT)
Site Time Zone Offset	9(2)	Number of hours that processing site is offset from GMT, i.e., EST value is 05)
Site Daylight Savings Time Indicator	9(1)	0 – Operating on Standard Time 1 – Operating on Daylight Savings Time
Record Delimiter	X(2) - CrLF	Carriage Return ASCII value 0D LineFeedASCIIvalue0A

ALERT Detail Record

Field Name	Format	Comments
FNS Retailer ID	9(7)	Valid FNS Number identifying retailer
Retailer State Location	X(2)	State Abbreviation for retailer location
POS Terminal ID	X(8)	ID (unique within retailer) of POS terminal with trailing blanks

House Account Number	X(14)	Account number that identifies household of card bearing recipient with trailing blanks	
Card Account Number	X(19)	Account number on card stock used in transaction with trailing blanks	
Transaction Date	Date	Date completed in CCYYMMDD format (GMT)	
Transaction Time	Time	Time in HHMMSS twenty four (24) hour format	
Transaction Amount	9(4)v2	(TGranMTs) action amount in 9999v99	
Transaction Sign	+ or -	+ to designate credit to recipient and – to designate debit to recipient. Ignored for balance inquiry type transactions	
EBT Program	9(2)	00 – Food Program (SNAP)	
Transaction Type	9(2)	10 – Purchase 20 – Refund/Return 30 – Void last transaction 40 – Balance Inquiry	
Transaction Method	9(1)	0 – Electronic Swipe 0 – Manual/Key entered 1 – Paper Voucher (Settled) 2 – RFID/Pay by touch 3 – Paper Voucher (Authorization)	
Store & Forward Indicator	9(1)	0 – Not a Store & Forward 0 – Denied 1 – Partially Approved 2 – Fully Approved	
Response Code	X(3)	Indicator for accepted or rejected transactions	
Available Balance prior to Transaction	9(4)v2		
Filler	X(2)	Contents Ignored	
Record delimiter	X(2) – CrLF	Carriage Return ASCII value 0D Line Feed ASCII value 0A	

Store Tracking and Redemption (STARS) System File Format

Retailer Transaction Record

ALERT Submission File Specifications

Compressed Files containing submission files

Submission Files Enclosed in Compressed File

Sequence

Number

Submission File Record Sequence

EBT Submission Header and Trailer Record Specification

Description	Starting Position	Length	Type	Comments	Update Status

EBT Transaction Record Specification

Description	Starting Position	Length	Type	Comments	Update Status

Table 2 – Valid Response Code Combinations

New Response Code	ANSI Code (bit 039)	Response Description	Old Response Code Value

Transaction Record Contextual Requirements

Description	Record 1 Value	Record 2 Value

REDE START-UP PACKAGE and FILE FORMAT
State EBT Retailer Data File

The State EBT Retailer Data File lists all merchants that have been newly certified (accept food benefit transactions) or decertified (can no longer accept food benefit transactions) by the FNS when they participate in EBT. The information on this file is used to contract new merchants and de-install decertified merchants.

Note: This file is received from FNS, not from the State.

State EBT Retailer Data Header Record

Field Name	Format	Comments
Transaction Type Code	X(1)	Blank
State Code	X(2)	The State code where the store is located.
Beginning Date	X(8)	CCYYMMDD
Ending Date	X(8)	CCYYMMDD
Transaction Count	9(7)	Count of detail records in the file.
Filler	X(54)	Field **will** be set to blanks.

Record Length – eighty (80) bytes

State EBT Retailer Data Detail Record

Field Name	Format	Comments
Transaction Type Code	X(1)	A = new merchant was added M = existing merchant was changed D = existing merchant was removed from the program R = merchant is reinstated into the program
State Code	X(2)	
Store Identification	9(7)	STARS Authorization Number.
Transaction Record ID Number	9(1)	Valid ID numbers are one to four (1 – 4).

Store Name	X(33)	Full name of merchant (store).
Telephone Number	9(10)	Telephone number including area code.
Open twenty four (24) Hours Indicator	X(1)	Y = Yes, open twenty four (24) hours N = No
Registers Count	9(5)	Total number of check-out registers in store.
County Code	X(3)	The county within the State where the store resides.
Business Type Code	X(2)	Type of store.
Filler	X(15)	Field **will** be set to blanks.
Address Number	X(8)	Address number of store.
Street Name	X(25)	Street name of store.
City Name	X(15)	City name.
State Code	X(2)	State code where store resides.
Zip Code	9(5)	Five digit zip code of store.
Zip 4 Code	9(4)	Four digit zip code suffix of store.
Filler	X(10)	Field **will** be set to blanks.
Authorization Status Code	X(2)	Indicates the current authorization status of store.
Authorization Status Date	9(8)	Effective date of current authorization status.
Recertification Status Date	9(8)	The date the store was re-certified as authorized under FNS regulations based on updated data supplied by the merchant.
Ownership Type Code	9(8)	1 = sole proprietorship 2 = partnership 3 = cooperative 4 = privately held corporation 5 = publicly owned corporation 6 = government
Owner's Name Format	X(1)	1 = organization's name (corporation, company, government, etc.) 2 = person's name
Owner's Name	X(33)	Organization or primary person that owns the store. If it is a person's name: First (1st) thirteen (13) characters = first (1st) name and middle name or initial Last twenty (20) characters = last name
Filler	X(16)	Field **will** be set to blanks.

Mailing Address Number	X(8)	Address number on street on store mailing address.
Mailing Street Name	X(25)	Name of street on store mailing address.
Mailing City Name	X(15)	Name of city on store mailing address.
Mailing State Name	X(2)	State code on store mailing address.
Mailing Zip Code	9(5)	Five (5) digit zip code on store mailing address.
Mailing Zip four (4) Code	9(4)	Four (4) digit zip code on store mailing address.
Filler	X(10)	Field **will** be set to blanks.

Record Length-two hundred eighty-seven (287) bytes

State EBT Retailer Data Trailer Record

Field Name	Format	Comments
Transaction Type Code	X(1)	Blank
State Code	X(2)	The state code where the store is located.
Beginning Date	X(8)	CCYYMMDD
Ending Date	X(8)	CCYYMMDD
Transaction Count	9(7)	Count of detail records in the file.
Add Transaction Record Count	9(7)	Count of add transaction records in the file.
Delete Transaction Record Count	9(7)	Count of delete transaction records in the file.
Modify Transaction Record Count	9(7)	Count of modify transaction records in the file.
Reactivate Transaction Record Count	9(7)	Count of reactivate transaction records in the file.
Record ID number Hash Total	9(8)	Total of all the record ID numbers from all of the detail records.
Filler	X(18)	Field will be set to blanks.

Record Length-eighty (80) bytes