ASAP Payment Formats

INTRODUCTION

This document provides ASAP payment requestors with the information necessary to receive and post payments originated by the Federal Government through the ASAP system. These payments include Automated Clearing House (ACH) credits as well as funds transfers made via the Federal Reserve Bank's wire transfer system (Fedwire). The formats included here are the **ASAP Fedwire format**, the **ASAP ACH CTX Entry Detail Record Layout**, and the **ASAP ACH CTX Remitttance Information** mapping.

This document also provides **formats and procedures for returning funds** to the ASAP system.

TYPES OF ASAP PAYMENTS

Overview

Providing flexibility regarding the types of payments that ASAP is capable of originating is essential not only in promptly meeting the funding requirements of the system's customers, but also in making Federal payments as efficiently and cost effectively as possible. Certain situations demand reliable, same-day payments, whereas others may be able to schedule payments for future dates. Although Fedwire is more costly than other payment mechanisms, the real-time settlement of payments and security associated with sending multi-million dollar transactions by wire more than justifies the cost. The use of the ACH network for payment is equally secure, permits payments to be scheduled for future dates, and is extremely cost effective. ACH is the preferred payment mechanism for the ASAP system.

The Fedwire System

ASAP provides an automated interface with the Federal Reserve Bank's Fedwire system which allows payment requestors' financial institutions to receive credit for Fedwires minutes after the payment request is approved. Even though wires are received by requestors' financial institutions, the requestors must arrange with their financial institutions to have these transactions reported to them as quickly as possible.

Fedwire payments settle upon execution of the transaction. This immediate settlement provides an additional degree of certainty that the payment has been executed; however, there are additional costs for both the originator and receiver of Fedwire transactions. The immediate settlement of Fedwires is ideal for payment applications such as Controlled Disbursement or Zero Balance Accounts (ZBA). The Fedwire format permits the inclusion of a limited amount of free text that may be used to provide information regarding the nature of the payment. Due to the limited amount of space available for remittance information, the Fedwire format is more suited to individual, large dollar payments that are able to justify the additional cost associated with this payment mechanism. In addition, the same-day settlement of Fedwire is ideal as a contingency payment mechanism in the event that an ACH payment is not requested in time for next day settlement. See the ASAP Fedwire Format for wire payments resulting from payment requests made via ASAP.

The Automated Clearing House (ACH)

Due to the fully automated nature of ASAP, cut-off times are able to be extended to 11:59 p.m. Eastern time for next day ACH payments. Payment requestors are also able to make multiple requests from multiple accounts. Multiple requests for funds from different accounts, even multiple requests from different Federal Agencies (FAs), can be consolidated into a single Summary Payment. Information is provided with the payment to describe each of the components of the Summary Payment.

ACH credits originated by the ASAP system appear in the standard National Automated Clearing House Association (NACHA) Corporate Trade Exchange (CTX) format. ASAP ACH payments are made by CTX in order to take advantage of this format's extensive number of available addenda records that are used to carry remittance information.   See the ASAP ACH Format for the record layouts.

Payments made by the ACH CTX payment mechanism settle and should be available the next business day. In addition to the transaction cost being considerably less than Fedwire, the CTX format also allows Payment Requestors to receive a single summary payment consisting of multiple requests for funds made against various ASAP accounts. This is possible because the CTX format is capable of supporting up to 9,999 addenda records. These addenda records are ideally suited for transmitting detailed remittance data.

Remittance Information for ASAP ACH Payments

The remittance information includes, but is not limited to, the following types of information: the name of the Recipient Organization, the name of the Federal Agency from which funds are being requested, as well as an item by item breakdown of the total amount being requested for payment.

The format for the ASAP remittance information in the addenda records follows the ANSI X12 standard 820 transaction set (Payment Order/Remittance Advice), version 3040. See the ASAP 820 Mapping for an easy to read mapping, including envelopes, of ASAP data in the ASAP 820. The formal ASAP 820 Implementation Convention shows this information at the transaction set level in an industry-standard document format. The ASAP 820 is a Federally approved Implementation Convention; see the DISA site, version 3040 transaction sets, 820A.

Note: The ASAP 820 has changed in **July, 1998** to include an additional segment in the RMR loop. Please contact Fred Lehnhoff of the FMS ASAP team at 202-874-6976 for further information.

RETURNING FUNDS TO THE ASAP SYSTEM

Payment Requestors/Recipient Organizations may request their financial institution to return funds to ASAP via either the Fedwire or ACH systems. See the Procedures for Returning Funds for detailed formats and procedures.

ASAP PAYMENT FORMATS

ASAP FEDWIRE FORMAT

FEDWIRE (also known as FUNDS) is a payment system through which ASAP moves funds to a payment requestor's depository financial institution (DFI) for same-day payment. All FEDWIRE payments requested via ASAP will be sent to the Payment Requestor's financial institution in an expanded format as a FUNDS Typecode 1000 transaction. The format for ASAP FUNDS Typecode 1000 transactions appears below.

ASAP PAYMENT FORMATS

FUNDS TYPECODE 1000 - SENT FROM ASAP

Field Tag / Element	Data Element Name	Field Length	Data Element Value
{1500}	Sender Supplied Information	12	**02** then 8 spaces then **P** then 1 space
{1510}	Type Code, Subtype Code	4	**1000**
{1520}	IMAD	22	Input Cycle Date (CCYYMMDD), Input Source (8 characters), Input Sequence Number (6 characters)
{2000}	Amount	12	dollar amount, with leading zeroes
{3100}	Sender FI	13	**051036803ASAP**
{3320}	Sender Reference Number	6	Input Sequence Number
{3400}	Receiver FI	27 (maximum)	Receiving financial institution's ABA number and short name
{3600}	Business Function	3	**CTR**
{4200} /01	Beneficiary ID Code	1	**D**
{4200} /02	Account Number	17	Recipient Organization's bank account number at receiving DFI
{4200} /03	Beneficiary Name	35	Recipient Organization's name
{4200} /04	Beneficiary Address-Line 1	35	Recipient Organization's address-line 1
{4200} /05	Beneficiary Address-Line 2	35	Recipient Organization's address-line 2
{4200} /06	Beneficiary Address-Line 3	35	Recipient Organization's address-line 3
{5000} /01	Originator ID Code	1	**N**
{5000} /02	Agency Location Code	8	ALC of the Federal agency granting funds to the Recipient Organization
{5000} /02	Region Code	2	A two character "suffix" to the ALC used to further identify the Federal agency
{5000} /03	Recipient Organization ID	7	Recipient Organization ID as established in the ASAP system which uniquely identifies the recipient of Federal funds
{5000} /03		1	Space
{5000} /03	Account ID	20	Account ID in ASAP as established by the Federal agency

Field Tag / Element	Data Element Name	Field Length	Data Element Value
{5000} /04	Originator's Name	10	Federal agency's short name
{5000} /04		1	Space
{5000} /04	CFDA Number	5	Catalog of Federal Domestic Assistance (CFDA) number (if available)
{6000} /01	Payment Requestor	10	Payment Requestor's short name
{6000} /02	ASAP IMAD	33	ASAP IMAD Date, Lterm, Sequence Number, and Time. IMAD is assigned by ASAP when the payment request is made
{6000} /03	ASAP IMAD	6	ASAP IMAD Item Number

ASAP PAYMENT FORMATS

ASAP ACH FORMAT

The Automated Clearing House (ACH) is a batch payment system through which ASAP moves funds to a payment requestor's depository financial institution (DFI) on the settlement date specified by the payment requestor. Payments are passed to ACH one day prior to the settlement date via files in the standard ACH format.

The format used for ASAP ACH payments is the National Automated Clearing House (NACHA) **Corporate Trade Exchange** (CTX) format. The ACH CTX files are formatted in the NACHA standard 94 byte record, 940 byte block.

Each ACH transaction file begins with a file header record. The file header record designates physical file characteristics and identifies the immediate origin of the transactions contained in the file. Immediately following the file header may be any number of batches.

Each batch is identified by a batch header record and contains one or more entry detail records. The batch header identifies the originator and briefly describes the debit and/or credits. The information in the batch header applies uniformly to all subsequent entry detail records within the batch. The information in the batch header, in conjunction with the entry detail records, fully describes each transaction.

Entry detail records contain the information necessary to relate the entry to the ultimate receiver (i.e. individual account number, identification number, name, debit/credit amount, etc.).

Entry detail records for ASAP payments have additional information about each payment transaction in associated addenda records. The format for the remittance information in the addenda records follows the ANSI X12 standard 820 transaction set (Payment Order/Remittance Advice), version 3040. An entire machine processable 820 transaction set, including envelopes, is embedded in the addenda records for each entry detail record.

The following pages contain 1) the format for ASAP CTX entry detail records; 2) the format for ASAP CTX addenda records; and 3) the format for the X12 820 transaction sets embedded in the addenda records of ASAP CTX payments.

ASAP PAYMENT FORMATS

ACH CTX PAYMENT FORMAT

Entry Detail Record:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	6	1	01-01
2	Transaction Code	22	2	02-03
3	Receiving DFI Identification	First 8 positions of Payment Requestor's ACH DFI Routing No. from ASAP PR profile	8	04-11
4	Check Digit	Ninth position of Payment Requestor's ACH DFI Routing No. from ASAP PR profile	1	12-12
5	DFI Account Number	Receiving DFI account (ACH) for Payment Requestor from ASAP PR profile	17	13-29
6	Total Amount	$$$$$$$$¢¢	10	30-39
7	Identification Number	optional originator-specific number for tracing purposes	15	40-54
8	Number of Addenda Records	numeric - number of addenda records associated with this record. Zero if the addenda record indicator field is 0	4	55-58
9	Receiving Company Name/ID Number	Payment Requestor Short Name from the ASAP PR Profile	16	59-74
10	Reserved	blank	2	75-76
11	Discretionary Data	optional	2	77-78
12	Addenda Record Indicator	1 when addenda are present; 0 when no addenda are present.	1	79-79
13	Trace Number	Assigned by the ODFI. Consists of first 8 positions of the ODFI's (ASAP's) Routing No. and a 7-position sequential # that must be unique within each batch and should be unique within each day's processing	15	80-94

ASAP PAYMENT FORMATS

ACH CTX PAYMENT FORMAT

Addenda Records:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	7	1	01-01
2	Addenda Type Code	05	2	02-03
3	Payment Related Information	X12 820 transaction set, version 3040, including envelopes, wrapping within allowed space in each addenda record.	80	04-83
4	Addenda Sequence Number	addenda number starting at 0001	4	84-87
5	Entry Detail Sequence Number	same as last seven numbers of entry detail trace no.	7	88-94

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                          ASAP PAYMENT FORMATS

                     MAPPING FOR ASAP CTX ADDENDA
                        X12 820 - VERSION 3040

                 -----------[INTERCHANGE ENVELOPE]-----------

DATA          DATA ELEMENT NAME               VALUE                COMMENTS
ELEMENT


                 --ISA INTERCHANGE CONTROL HEADER (MANDATORY)--


ISA01         Authorization Information
               Qualifier                      00                   MANDATORY.  Code for "No
                                                                   Authorization Information
                                                                   present."

ISA02         Authorization Information        [10 spaces]         MANDATORY.

ISA03         Security Information Qualifier   00                  MANDATORY.  Code for "No
                                                                   Security Information present."

ISA04         Security Information             [10 spaces]         MANDATORY.

ISA05         Interchange ID Qualifier         17                  MANDATORY.  Code for ABA Number.

ISA06         Interchange Sender ID            [ASAP's ABA Number] MANDATORY.  Right-justified.

ISA07         Interchange ID Qualifier         ZZ                  MANDATORY.  Code for "Mutually
                                                                   defined".

ISA08         Interchange Receiver ID          [ASAP Requestor ID] MANDATORY.  Seven positions,
                                                                   right-justified.
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-----------[INTERCHANGE ENVELOPE]-----------
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DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
ISA09	Interchange Date	[Interchange Message Date]	MANDATORY. Date of the transmission, YYMMDD format.
ISA10	Interchange Time	[Interchange Time]	MANDATORY. Time of the transmission, HHMM format.
ISA11	Interchange Control Standards Identifier	U	MANDATORY. Code for "U.S. EDI Community of ASC X12, TDCC, and UCS".
ISA12	Interchange Control Version Number	00304	MANDATORY. Indicates Version 003040 of the standards.
IEA13	Interchange Control Number	[7-byte sequence portion of ACH Trace Number left-padded with zeroes]	MANDATORY. Must = IEA02.
ISA14	Acknowledgment Requested	0	MANDATORY. Code for "No acknowledgment requested".
ISA15	Test Indicator	P	MANDATORY. Code for "Production Data".
ISA16	Subelement Separator	~ [Tilde]	MANDATORY.

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              -----------[FUNCTIONAL GROUP ENVELOPE]-----------


DATA              DATA ELEMENT NAME                VALUE                    COMMENTS
ELEMENT
           _____          _____          _____


                        --GS FUNCTIONAL GROUP HEADER (MANDATORY)--


GS01              Functional Identifier Code       RA                       MANDATORY.  Code for "Payment
                                                                            Order/ Remittance Advice (820)".


GS02              Application Sender's Code         [ASAP's ABA]             MANDATORY.


GS03              Application Receiver's Code       [ASAP Requestor ID]      MANDATORY.  The Payment
                                                                            Requestor's ID in ASAP (7
                                                                            positions).


GS04              Date                             [YYMMDD]                 MANDATORY.


GS05              Time                             [HHMMSS]                 MANDATORY.


GS06              Group Control Number             [7-byte sequence portion
                                                    of ACH Trace Number]    MANDATORY.  Must = GE02.



GS07              Responsible Agency Code          X                        MANDATORY.  Code for ASC X12.


GS08              Version/ Release/
                   Industry Identifier Code        003040                   MANDATORY.  Indicates version
                                                                            and release of the ANSI X12
                                                                            standards being used.
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                -----------[START 820 TRANSACTION SET]-----------


               TABLE 1 - HEADER (PAYMENT INFORMATION)

DATA          DATA ELEMENT NAME              VALUE                COMMENTS
ELEMENT
_____       _____     _____    _____


                    --ST TRANSACTION SET HEADER (MANDATORY)--

ST01          Transaction Set Identifier Code  820                MANDATORY.

ST02          Transaction Set Control Number   [7-byte sequence portion
                                                of ACH Trace Number]   MANDATORY.  Internal control
                                                                       number for the originator.


           --BPR BEGINNING SEGMENT FOR PAYMENT ORDER/REMITTANCE ADVICE (MANDATORY)--

BPR01         Transaction Handling Code        C                  MANDATORY.  Code for "Payment
                                                                  accompanies remittance advice."

BPR02         Monetary Amount                  [ACH Transaction Total
                                                Amount]           MANDATORY.  Total payment amount
                                                                  to be credited to Payment
                                                                  Requestor's account.

BPR03         Credit/Debit Flag Code           C                  MANDATORY.  Code for "credit".

BPR04         Payment Method Code              ACH                MANDATORY.  Code for "Automated
                                                                  Clearing House"

BPR05         Payment Format Code              CTX                REQUIRED.  Code for "Corporate
                                                                  Trade Exchange"



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TABLE 1 - HEADER (PAYMENT INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
BPR06	(DFI) ID Number Qualifier	01	REQUIRED. Code for type of identifier for originating DFI (= ABA Routing Transit Number including Check Digits.)
BPR07	(DFI) Identification Number	[ASAP's RTN]	REQUIRED. Identifies the office making the payment, in this case, ASAP.
BPR08	Account Number Qualifier		NOT USED. Type of payer account.
BPR09	Account Number		NOT USED. Payer account number.
BPR10	Originating Company Identifier	9[+ ASAP RTN]	REQUIRED. Identifies ASAP as the originating company.
BPR11	Originating Company Supp. Code		NOT USED.
BPR12	(DFI) ID Number Qualifier	01	REQUIRED. Code for type of identifier for receiving DFI (ABA Routing Transit Number).
BPR13	(DFI) Identification Number	[RTN for Receiving DFI]	REQUIRED. Routing Transit Number for the Payment Requestor's ACH DFI as indicated in the Payment Requestor Profile. This is where funds will be deposited.

TABLE 1 - HEADER (PAYMENT INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
BPR14	Account Number Qualifier	DA or SG	REQUIRED. Type of account for Payment Requestor at the ACH DFI indicated in the profile. DA = code for "demand deposit", SG = code for "savings".
BPR15	Account Number	[Account Number at Receiving DFI]	REQUIRED. Indicates the Payment Requestor's account number to be credited.
BPR16	Effective Entry Date	[Settlement Date]	REQUIRED. Date funds transfer is to become effective (YYMMDD).
BPR17-21			NOT USED.

--TRN TRACE (REQUIRED)--

TRN01	Trace Type Code	1	REQUIRED. Code for "current transaction trace number".
TRN02	Reference Number [1/30]	[ACH Transaction Trace Number]	REQUIRED. Use all 15 positions to conform to NACHA format for identification of the transaction set within the banking community.

TABLE 1 - HEADER (PAYMENT INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS

--REF REFERENCE NUMBERS (REQUIRED)--

REF01	Reference Number Qualifier	55	REQUIRED. Code for "Sequence Number".
REF02	Reference Number [1/30]	[ASAP Sequence Number without the Item #]	REQUIRED. Consists of the Payment Request Date, Input Endpoint, Screen Sequence Number, and Payment Request IMAD time (total of 29 positions). Excludes the Payment Request Item Number.

--REF REFERENCE NUMBERS (OPTIONAL)--

REF01	Reference Number Qualifier	EM	REQUIRED if this segment is used. Code for "Electronic Payment Reference Number".
REF02	Reference Number [1/30]	[ASAP Requestor Reference Number]	REQUIRED if this segment is used. An optional field in ASAP for use at the requestor's discretion. (15 positions)

TABLE 1 - HEADER (PAYMENT INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
		[Start loop for PAYEE (the Payment Requestor)]	
		--N1 NAME (REQUIRED)--	
N101	Entity Identifier Code	PE	MANDATORY. Code for "payee".
N102	Name	[Payment Requestor Short Name]	REQUIRED. Payment Requestor's Short Name as shown in profile. (10 positions)
N103	Identification Code Qualifier	93	REQUIRED. Code for "code assigned by the organization originating the transaction set."
N104	Identification Code	[Payment Requestor ID]	REQUIRED. Unique Payment Requestor ID as defined within ASAP. (7 positions)

[End loop for PAYEE (the Payment Requestor)]

TABLE 1 - HEADER (PAYMENT INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
	[Start loop for PAYER (ASAP)]		
	--N1 NAME (REQUIRED)--		
N101	Entity Identifier Code	PR	MANDATORY. Code for "payer".
N102	Name [1/35]	TREASURY FMS-ASAP	REQUIRED. Free form name.
N103	Identification Code Qualifier		NOT USED.
N104	Identification Code		NOT USED.
	[End loop for PAYER (ASAP)]		

TABLE 2 - DETAIL (REMITTANCE INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS

[Start of the ENTITY loop for one Recipient Organization/Federal Program Agency combination. There will be one or more RO/FPA combinations within a single payment transaction to a payment requestor, and each RO/FPA combination will be represented by one ENTITY loop within the 820 transaction set. There will be one or more RMR loops within each ENTITY loop, where each RMR loop refers to a single ASAP Account. The presence of only one RMR in an 820 indicates an individual payment, and multiple RMRs indicate a summary payment.]

--ENT ENTITY (REQUIRED)--

ENT01	Assigned Number		NOT USED.
ENT02	Entity Identifier Code	2R	REQUIRED. Code for "Federal Facility", the type of sending sub-entity.
ENT03	Identification Code Qualifier	ZZ	REQUIRED. Code for "Mutually defined", the type of ID Code for the sending sub-entity.
ENT04	Identification Code	[ALC/Region]	REQUIRED. ALC/Region of the agency granting the funds. (8 required and 2 optional positions)
ENT05	Entity Identifier Code	MA	REQUIRED. Code for "Party for whom item is ultimately in-tended", the type of receiving sub-entity.

TABLE 2 - DETAIL (REMITTANCE INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
ENT06	Identification Code Qualifier	93	REQUIRED. Code for "code assigned by the organization originating the transaction set", the type of ID of the receiving sub-entity.
ENT07	Identification Code	[Recipient ID]	REQUIRED. Unique Recipient Organization ID as defined within ASAP; identifies the organization granted federal funds. (7 positions)

[Start nested loop for Federal Program Agency NAME]

--N1 NAME (REQUIRED)--

N101	Entity Identifier Code	2R	MANDATORY. Code for "Federal Facility", the type of sending sub-entity. (Value of this data element should equal value of ENT02).

TABLE 2 - DETAIL (REMITTANCE INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
N102	Name	[Federal Program Agency Short Name]	REQUIRED. From the profile in ASAP. (10 positions)

[End nested loop for Federal Program Agency NAME]

[Start nested loop for Recipient Organization NAME]

--N1 NAME (REQUIRED)--

N101	Entity Identifier Code	MA	MANDATORY. Code for "Party for whom item is ultimately intended", the type of receiving sub-entity. (Value of this data element should equal value of ENT05).
N102	Name	[Recipient Organization Short Name]	REQUIRED. From the profile in ASAP. (10 positions)

[End nested loop for Recipient Organization NAME]

TABLE 2 - DETAIL (REMITTANCE INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS

[Start nested RMR loop (one for each payment request against an ASAP account)]

--RMR REMITTANCE ADVICE ACCOUNTS RECEIVABLE OPEN ITEM REFERENCE (REQUIRED)--

RMR01	Reference Number Qualifier	11	REQUIRED. Code for "Account Number".
RMR02	Reference Number [1/30]	[ASAP Account ID]	REQUIRED. 20 positions
RMR03	Payment Action Code		NOT USED.
RMR04	Monetary Amount	[Amount Paid]	REQUIRED. Actual payment for the request against this Account ID for the Recipient Organization in ENT07 from the Federal Program Agency in ENT04.
RMR05	Total Invoice or Cr/Dr Amount	[Amount Requested]	REQUIRED. Amount requested from this Account ID for this Recipient Organization from this Federal Program Agency.

TABLE 2 - DETAIL (REMITTANCE INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS

--REF REFERENCE NUMBERS (REQUIRED)--

| REF01 | Reference Number Qualifier | IX | REQUIRED. Code for "Item Number". |
| REF02 | Reference Number | [Payment Request Item Number] | REQUIRED. The Payment Request Item Number portion of ASAP's Sequence Number. (6 positions) |

--REF REFERENCE NUMBERS (OPTIONAL)--

| REF01 | Reference Number Qualifier | ZZ | REQUIRED. Code for "Mutually Defined". |
| REF02 | Reference Number | [CFDA Number] | REQUIRED. Catalog of Federal Domestic Assistance (CFDA) Number (5 positions) |

TABLE 2 - DETAIL (REMITTANCE INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS

[Start IT1 loop nested within RMR loop (one IT1 loop for each payment request against a Recipient Remittance Code under an ASAP account, repeating as necessary within a single RMR loop). IT1 loops should not appear in an RMR loop if the ASAP Account ID is the lowest level of detail within a payment request.]

--IT1 BASELINE ITEM DATA (INVOICE) (OPTIONAL)--

IT101	Assigned Identification		NOT USED.
IT102	Quantitiy Invoiced [1/10]	1	REQUIRED. Always equal to 1.
IT103	Unit or Basis for Measurement Code	DQ	REQUIRED. Code for "Data Records", describing the quantity in IT102 (1 data record per IT1 segment)
IT104	Unit Price [1/14]	[Amount Requested at the Recipient Remittance Code level]	REQUIRED.
IT105	Basis of Unit Price Code		NOT USED.
IT106	Product/Service ID Qualifier	A3	REQUIRED. Code for "Locally assigned control number".
IT107	Product/Service ID [1/30]	[Recipient Remittance Code]	REQIRED. Alphanumeric.

TABLE 2 - DETAIL (REMITTANCE INFORMATION)

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS
IT108-IT125			NOT USED.

[End nested IT1 loop (one for each payment request against a Recipient Remittance Code)]

[End nested RMR loop (one for each payment request against an ASAP account)]

[End ENTITY loop for one Recipient Organization / Federal Program Agency combination.]

TABLE 3 - TRAILER

DATA ELEMENT	DATA ELEMENT NAME	VALUE	COMMENTS

--SE TRANSACTION SET TRAILER (MANDATORY)--

| SE01 | Number of Included Segments | [Program-assigned] | MANDATORY. The actual number of segments in each transaction set. |
| SE02 | Transaction Set Control Number | [Same as ST02] | MANDATORY. Entry Detail Sequence portion of ACH Trace Number (7 positions) |

-----------[END 820 TRANSACTION SET]-----------

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                    -----------[ENVELOPES - CLOSING]-----------

DATA              DATA ELEMENT NAME                   VALUE                  COMMENTS
ELEMENT

                    -----------[FUNCTIONAL GROUP ENVELOPE]-----------


                    --GE FUNCTIONAL GROUP TRAILER (MANDATORY)--

GE01              Number of Transaction Sets
                    Included                           1                      MANDATORY.

GE02              Group Control Number               [Same as GS06]         MANDATORY.  The value for data
                                                                             element GE02 is the same as the
                                                                             value for data element GS06 = the
                                                                             7-byte sequence portion of the
                                                                             ACH Trace Number.


                    -----------[INTERCHANGE ENVELOPE]-----------

                    --IEA INTERCHANGE CONTROL TRAILER (MANDATORY)--

IEA01             Number of Included Functional
                    Groups                             1                      MANDATORY.

IEA02             Interchange Control Number         [Same as ISA13]        MANDATORY.  The value for data
                                                                             element IEA02 is the same as the
                                                                             value for data element ISA13 =
                                                                             the 7-byte sequence portion of
                                                                             the ACH Trace Number left-padded
                                                                             with zeroes.
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820 Payment Order/Remittance Advice
for ASAP Payments

Functional Group ID=**RA**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

Notes:

1. This is the current standard for Federal Domestic Assistance payments made via the Automated Standard Application for Payments (ASAP) system of the Financial Management Service, US Treasury.

2. The total payment amount in one 820 transaction set represents the total amount paid to one Payment Requestor on behalf of one or more Federal Program Agencies for distribution to one or more Recipient Organizations.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	010	ST	Transaction Set Header	M	1		
	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
Not Used	030	NTE	Note/Special Instruction	O	>1		
	035	TRN	Trace	O	1		c1
Not Used	040	CUR	Currency	O	1		c2
	050	REF	Reference Numbers	O	>1		
Not Used	060	DTM	Date/Time/Period	O	>1		
			LOOP ID - N1			>1	
	070	N1	Name	O	1		c3
Not Used	080	N2	Additional Name Information	O	>1		
Not Used	090	N3	Address Information	O	>1		
Not Used	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Numbers	O	>1		
Not Used	120	PER	Administrative Communications Contact	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - ENT			>1	
	010	ENT	Entity	O	1		c4
			LOOP ID - N1			>1	
	020	N1	Name	O	1		c5
Not Used	030	N2	Additional Name Information	O	>1		
Not Used	040	N3	Address Information	O	>1		
Not Used	050	N4	Geographic Location	O	1		
Not Used	060	REF	Reference Numbers	O	>1		
Not Used	070	PER	Administrative Communications Contact	O	>1		
			LOOP ID - ADX			>1	
Not Used	080	ADX	Adjustment	O	1		c6
Not Used	090	NTE	Note/Special Instruction	O	>1		
Not Used	100	PER	Administrative Communications Contact	O	>1		
Not Used	105	DTM	Date/Time/Period	O	1		
			LOOP ID - REF			>1	
Not Used	110	REF	Reference Numbers	O	1		
Not Used	120	DTM	Date/Time/Period	O	>1		
			LOOP ID - IT1			>1	
Not Used	130	IT1	Baseline Item Data (Invoice)	O	1		c7
			LOOP ID - REF			>1	
Not Used	140	REF	Reference Numbers	O	1		
Not Used	141	DTM	Date/Time/Period	O	1		
			LOOP ID - ITA			>1	
Not Used	142	ITA	Allowance, Charge or Service	O	1		
Not Used	143	TXI	Tax Information	O	>1		
			LOOP ID - SLN			>1	
Not Used	144	SLN	Subline Item Detail	O	1		
			LOOP ID - REF			>1	
Not Used	145	REF	Reference Numbers	O	1		
Not Used	146	DTM	Date/Time/Period	O	>1		
			LOOP ID - ITA			>1	
Not Used	147	ITA	Allowance, Charge or Service	O	1		
Not Used	148	TXI	Tax Information	O	>1		

			LOOP ID - RMR		>1	
	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1	c8
Not Used	160	NTE	Note/Special Instruction	O	>1	
	170	REF	Reference Numbers	O	>1	
Not Used	180	DTM	Date/Time/Period	O	>1	
			LOOP ID - IT1		>1	
	190	IT1	Baseline Item Data (Invoice)	O	1	c9
			LOOP ID - REF		>1	
Not Used	200	REF	Reference Numbers	O	1	
Not Used	201	DTM	Date/Time/Period	O	1	
			LOOP ID - ITA		>1	
Not Used	202	ITA	Allowance, Charge or Service	O	1	
Not Used	203	TXI	Tax Information	O	>1	
			LOOP ID - SLN		>1	
Not Used	204	SLN	Subline Item Detail	O	1	
			LOOP ID - REF		>1	
Not Used	205	REF	Reference Numbers	O	1	
Not Used	206	DTM	Date/Time/Period	O	>1	
			LOOP ID - ITA		>1	
Not Used	207	ITA	Allowance, Charge or Service	O	1	
Not Used	208	TXI	Tax Information	O	>1	
			LOOP ID - ADX		>1	
Not Used	210	ADX	Adjustment	O	1	c10
Not Used	220	NTE	Note/Special Instruction	O	>1	
Not Used	230	PER	Administrative Communications Contact	O	>1	
			LOOP ID - REF		>1	
Not Used	240	REF	Reference Numbers	O	1	
Not Used	250	DTM	Date/Time/Period	O	>1	
			LOOP ID - IT1		>1	
Not Used	260	IT1	Baseline Item Data (Invoice)	O	1	c11
			LOOP ID - REF		>1	
Not Used	270	REF	Reference Numbers	O	1	
Not Used	271	DTM	Date/Time/Period	O	1	
			LOOP ID - ITA		>1	

| Not Used | 272 | ITA | Allowance, Charge or Service | O | 1 |
| Not Used | 273 | TXI | Tax Information | O | >1 |

LOOP ID - SLN					>1
Not Used	274	SLN	Subline Item Detail	O	1

LOOP ID - REF					>1
Not Used	275	REF	Reference Numbers	O	1
Not Used	276	DTM	Date/Time/Period	O	>1

LOOP ID - ITA					>1
Not Used	277	ITA	Allowance, Charge or Service	O	1
Not Used	278	TXI	Tax Information	O	>1

LOOP ID - TXP					>1
Not Used	280	TXP	Tax Payment	O	1
Not Used	285	TXI	Tax Information	O	>1

LOOP ID - LX					>1
Not Used	290	LX	Assigned Number	O	1
Not Used	295	REF	Reference Numbers	O	>1
Not Used	300	TRN	Trace	O	>1

LOOP ID - NM1					>1
Not Used	305	NM1	Individual or Organizational Name	O	1
Not Used	310	REF	Reference Numbers	O	>1
Not Used	315	G53	Maintenance Type	O	1

LOOP ID - AIN					>1
Not Used	320	AIN	Income	O	1
Not Used	325	QTY	Quantity	O	>1
Not Used	330	DTP	Date or Time or Period	O	>1

LOOP ID - PEN					>1
Not Used	335	PEN	Pension Information	O	1
Not Used	340	AMT	Monetary Amount	O	>1
Not Used	345	DTP	Date or Time or Period	O	>1

LOOP ID - INV					>1
Not Used	350	INV	Investment Vehicle Selection	O	1
Not Used	355	DTP	Date or Time or Period	O	>1

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
010	SE	Transaction Set Trailer	M	1		

Transaction Set Comments

1. The TRN segment is used to uniquely identify a payment order/remittance advice.
2. The CUR segment does not initiate a foreign exchange transaction.
3. The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
4. ENT09 may contain the payee's accounts receivable customer number.
5. Allowing the N1 segment to repeat in this area allows the paying entity within a payer and the paid entity within a payee to be identified (not the payer and payee).
6. This ADX loop contains adjustment items which are not netted to an RMR segment in this transaction set.
7. Loop IT1 within the ADX loop is the adjustment line item detail loop.
8. Loop RMR is for open items being referenced or for payment on account.
9. Loop IT1 within the RMR loop is the remittance line item detail loop.
10. This ADX loop can only contain adjustment information for the immediately preceding RMR segment and affects the amount (RMR04) calculation. If this adjustment amount is not netted to the immediately preceding RMR, use the outer ADX loop (position 080).
11. Loop IT1 within the ADX loop is the adjustment line item detail loop.

	Segment:	**ST** Transaction Set Header
	Position:	**010**
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the start of a transaction set and to assign a control number
	Notes:	
	Syntax Notes:	
	Semantic Notes:	1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set.	
			820 X12.4 Payment Order/Remittance Advice	
>>	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			1) Contains the Entry Detail Sequence portion of the ACH Trace Number (7 positions).	
			2) Assigned by the Federal Reserve Bank of Richmond.	

	Segment:	**BPR** Beginning Segment for Payment Order/Remittance Advice
	Position:	020
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	(1) To indicate the beginning of a PaymentOrder/Remittance Advice Transaction Set and total payment amount or (2) to enable related transfer of funds and/or information from payer to payee to occur
	Notes:	

	Syntax Notes:	1	If either BPR06 or BPR07 is present, then the other is required.
		2	If BPR08 is present, then BPR09 is required.
		3	If either BPR12 or BPR13 is present, then the other is required.
		4	If BPR14 is present, then BPR15 is required.
		5	If either BPR18 or BPR19 is present, then the other is required.
		6	If BPR20 is present, then BPR21 is required.
	Semantic Notes:	1	BPR02 specifies the payment amount.
		2	When using this transaction set to initiate a payment, BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used. BPR06 and BPR07 relate to the originating depository financial institution (ODFI).
		3	BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).
		4	BPR15 is the account number of the receiving company to be debited or credited with the payment order.
		5	BPR17 is a code identifying the business reason for the this payment.
		6	BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.
	Comments:	1	BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**BPR01**	305	**Transaction Handling Code**	M	ID	1/1
			Code designating the action to be taken by all parties.			
			C Payment Accompanies Remittance Advice			
>>	**BPR02**	782	**Monetary Amount**	M	R	1/15
			Monetary amount.			

1. Total payment amount to be credited to the Payment Requestor's account at the receiving financial institution. Equal to the ACH entry detail total transaction amount.

2. A decimal point is required when the amount is in dollars and cents. Total payment amount cannot exceed eleven characters (including the decimal) when converted to NACHA format, e.g., 99999999.99.

>>	**BPR03**	478	**Credit/Debit Flag Code**	M	ID	1/1
			Code indicating whether amount is a credit or debit			

			C	Credit			

>>	**BPR04**	**591**	**Payment Method Code**	**M**	**ID**	**3/3**

Code identifying the method for the movement of payment instructions

ACH   Automated Clearing House (ACH)

>>	**BPR05**	**812**	**Payment Format Code**	**O**	**ID**	**1/10**

Code identifying the payment format to be used.

CTX   Corporate Trade Exchange (CTX) (ACH)

>>	**BPR06**	**506**	**(DFI) ID Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of identification number of Depository Financial Institution (DFI).

Pertains to Originating DFI.

01   ABA Transit Routing Number Including Check Digits (9 digits)

>>	**BPR07**	**507**	**(DFI) Identification Number**	**X**	**AN**	**3/12**

Depository Financial Institution (DFI) identification number.

Identifies the organization originating the payment, in this case, ASAP. Contains the ASAP ABA Number (05103680-3).

X	**BPR08**	**896**	**Account Number Qualifier Code**	**O**	**ID**	**2/2**

Code indicating type of bank account or other financial asset

X	**BPR09**	**508**	**Account Number**	**X**	**AN**	**1/35**

Account number assigned.

>>	**BPR10**	**509**	**Originating Company Identifier**	**O**	**AN**	**10/10**

A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number. The ICD for an EIN is 1, DUNS is 3, user assigned number is 9.

1. Identifies ASAP as the originating company.

2. Contains the 9-digit ABA Number for ASAP preceded by the number "9" to indicate a user assigned identifier.

X	**BPR11**	**510**	**Originating Company Supplemental Code**	**O**	**AN**	**9/9**

A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions.

>>	**BPR12**	**506**	**(DFI) ID Number Qualifier**	**X**	**ID**	**2/2**

Code identifying the type of identification number of Depository Financial Institution (DFI).

Pertains to the Receiving DFI.

01   ABA Transit Routing Number Including Check Digits (9 digits)

| >> | BPR13 | 507 | (DFI) Identification Number | X | AN | 3/12 |

Depository Financial Institution (DFI) identification number.

1. Identifies the receiving DFI.

2. Contains the 9-digit ABA Number for the Payment Requestor's ACH DFI as indicated in the ASAP Payment Requestor Profile.

| >> | BPR14 | 896 | Account Number Qualifier Code | O | ID | 2/2 |

Code indicating type of bank account or other financial asset

1. Identifies the type of account at the ACH DFI indicated in the Payment Requestor Profile.

2. BPR15 identifies the account number.

    DA   Demand Deposit

    SG   Savings

| >> | BPR15 | 508 | Account Number | X | AN | 1/35 |

Account number assigned.

Identifies the Payment Requestor's ACH bank account to be credited.

| >> | BPR16 | 513 | Effective Entry Date | O | DT | 6/6 |

Date the originating company intends for the transaction to be settled.

Indicates the Settlement Date in YYMMDD format.

| X | BPR17 | 1048 | Business Function Code | O | ID | 1/3 |

Code identifying the business reason for this payment

| X | BPR18 | 506 | (DFI) ID Number Qualifier | X | ID | 2/2 |

Code identifying the type of identification number of Depository Financial Institution (DFI).

| X | BPR19 | 507 | (DFI) Identification Number | X | AN | 3/12 |

Depository Financial Institution (DFI) identification number.

| X | BPR20 | 896 | Account Number Qualifier Code | O | ID | 2/2 |

Code indicating type of bank account or other financial asset

| X | BPR21 | 508 | Account Number | X | AN | 1/35 |

Account number assigned.

Segment: **TRN** Trace

Position:	035
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To uniquely identify a transaction to an application.
Notes:	This segment must be used in each ASAP 820. It allows for identification of the transaction sets for tracking purposes.
Syntax Notes:	
Semantic Notes:	**1** TRN02 provides unique identification for the transaction.
	2 TRN03 identifies an organization.
	3 TRN04 identifies a further subdivision within the organization.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**TRN01**	**481**	**Trace Type Code**	M	ID	1/2
			Code identifying which transaction is being referenced.			
			Pertains to the ACH Trace Number.			
			1 Current Transaction Trace Numbers			
>>	**TRN02**	**127**	**Reference Number**	M	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
			1. Contains the ACH Trace Number.			
			2. Must contain all 15 positions to conform to NACHA format for identification of the transaction set within the banking community.			
X	**TRN03**	**509**	**Originating Company Identifier**	O	AN	10/10
			A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number. The ICD for an EIN is 1, DUNS is 3, user assigned number is 9.			
X	**TRN04**	**127**	**Reference Number**	O	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			

Segment:	**REF** Reference Numbers
Position:	**050**
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying numbers.
Notes:	This segment must be used at least once but not more than twice in each transaction set.

One occurrence of this REF segment must contain the partial ASAP Sequence Number, which identifies the transaction within ASAP. This occurrence is required.

The other occurrence is optional. It contains the Requestor Reference Number, an optional data element in ASAP for use at the Payment Requestor's discretion.
.

Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
>>	REF01	128	**Reference Number Qualifier**	M	ID	2/2

Code qualifying the Reference Number.

	55	Sequence Number
		Used for the required partial ASAP Sequence Number.
	EM	Electronic Payment Reference Number
		Used for the optional Requestor Reference Number.

	Ref. Des.	Data Element	Name		Attributes	
>>	REF02	127	**Reference Number**	X	AN	1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

1. When REF01 is 55, this element contains first four portions of the ASAP Sequence Number (Payment Request Date, Input Endpoint, Screen Sequence Number, and Payment Request Timestamp). (29 positions). The Payment Request Item Number is not included.

2. When REF01 is EM, this element contains the Requestor Reference Number. (15 positions).

X	REF03	352	**Description**	X	AN	1/80

A free-form description to clarify the related data elements and their content.

Segment:	**N1** Name
Position:	**070**
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name and code
Notes:	This N1 loop must be repeated twice.

One iteration must identify the Payee - i.e., the Payment Requestor.

The other iteration must identify the Payer - i.e., ASAP.

.

Syntax Notes:	**1**	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	**1**	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
>>	**N101**	98	**Entity Identifier Code**	M	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

	PE	Payee
		The Payment Requestor receiving the funds.
	PR	Payer
		The ASAP system.

	N102	93	**Name**	X	AN	1/35
>>

Free-form name.

1. If N101 is code PE, this element contains the Payment Requestor Short Name as defined in the Payment Requestor Profile. (10 positions).

2. If N101 is code PR, this element contains the literal, "Treasury/FMS-ASAP".

	N103	66	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67).

1. If N101 is code PE, this element is required.

2. If N101 is code PR, this element is not used.

	93	Code assigned by the organization originating the transaction set

N104   **67**   **X**   **AN**   **2/17**

Code identifying a party or other code.

1. If N101 is code PE, this element is required and contains the Payment Requestor ID defined in ASAP (7 positions).

2. If N101 is code PR, this element is not used.

X	**N105**	**706**	**Entity Relationship Code**		**O**	**ID**	**2/2**

Code describing entity relationship.

X	**N106**	**98**	**Entity Identifier Code**		**O**	**ID**	**2/2**

Code identifying an organizational entity, a physical location, or an individual

Segment:	**ENT** Entity
Position:	**010**
Loop:	ENT
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To designate the entities which are parties to a transaction and specify a reference meaningful to those entities
Notes:	Identifies a Recipient Organization / Federal Program Agency combination. At least one ENT loop is required per transaction set.
	There will be one or more RO/FPA combinations within a single payment transaction to a Payment Requestor, and each RO/FPA combination will be represented by one ENTITY loop within the 820 transaction set. There will be one or more RMR loops within each ENTITY loop, where each RMR loop refers to a single ASAP account. The presence of only one RMR in an 820 indicates an individual payment, and multiple RMRs indicate a summary payment.

Syntax Notes:
1. If any of ENT02 ENT03 or ENT04 is present, then all are required.
2. If any of ENT05 ENT06 or ENT07 is present, then all are required.
3. If either ENT08 or ENT09 is present, then the other is required.

Semantic Notes:

Comments:
1. This segment allows for the grouping of data by entity/entities at or within a master/masters. A master (e.g., an organization) can be comprised of numerous subgroups (e.g., entities). This master may send grouped data to another master (e.g., an organization) which is comprised of one or more entities. Groupings are as follows:
(1) Single/Single: Only ENT01 is necessary because there is a single entity (the sending master) communicating with a single entity (the receiving master).
(2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity so no other data elements need be used.
(3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity so no other data elements need be used.
(4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master.
This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
X	**ENT01**	**554**	**Assigned Number**	O	N0	1/6
			Number assigned for differentiation within a transaction set.			

>>	ENT02	98	**Entity Identifier Code**	X	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

Indicates that the sending sub-entity is a Federal Program Agency,

        2R   Federal Facility

>>	ENT03	66	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67).

Indicates the type of ID code of the sending sub-entity.

        ZZ   Mutually Defined

>>	ENT04	67	**Identification Code**	X	AN	2/17

Code identifying a party or other code.

Contains the required Agency Location Code (ALC) (8 positions) and the optional Region (2 positions).

>>	ENT05	98	**Entity Identifier Code**	X	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

Indicates that the receiving sub-entity is the Recipient Organization.

        MA   Party for whom Item is Ultimately Intended

>>	ENT06	66	**Identification Code Qualifier**	X	ID	1/2

Code designating the system/method of code structure used for Identification Code (67).

Indicates the type of ID of the receiving sub-entity.

        93   Code assigned by the organization originating the transaction set

>>	ENT07	67	**Identification Code**	X	AN	2/17

Code identifying a party or other code.

Contains the Recipient Organization ID as defined within ASAP (7 positions). Identifies the organization granted Federal funds.

X	ENT08	128	**Reference Number Qualifier**	X	ID	2/2

Code qualifying the Reference Number.

X	ENT09	127	**Reference Number**	X	AN	1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

	Segment:	**N1** Name
	Position:	**020**
	Loop:	N1
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To identify a party by type of organization, name and code
	Notes:	This N1 loop must be repeated twice within each ENTITY loop.

One iteration must identify the Federal Program Agency granting the funds (the sending sub-entity).

The other iteration must identify the Recipient Organization which ultimately receives the Federal funds (the receiving sub-entity).

Syntax Notes:	**1**	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	**1**	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2	N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
>>	**N101**	98	**Entity Identifier Code**	M	ID	2/2

Code identifying an organizational entity, a physical location, or an individual

1. Indicates the type of sending or receiving sub-entity.

2. For the sending sub-entity (the Federal Program Agency), the value of this element must equal the value of element ENT02.

3. For the receiving sub-entity (the Recipient Organization), the value of this element must equal the value of element ENT05.

2R	Federal Facility	
	Federal Program Agency	
MA	Party for whom Item is Ultimately Intended	
	Recipient Organization	

	Ref. Des.	Data Element	Name		Attributes	
>>	**N102**	93	**Name**	X	AN	1/35

Free-form name.

1. If N101 is code 2R, this element contains the Federal Program Agency's short name as indicated in its ASAP Profile (10 positions).

2. If N101 is code MA, this element contains the Recipient Organization's short name as indicated in its ASAP Profile (10 positions).

| X | N103 | 66 | **Identification Code Qualifier** | X | ID | 1/2 |

Code designating the system/method of code structure used for Identification Code (67).

| X | N104 | 67 | **Identification Code** | X | AN | 2/17 |

Code identifying a party or other code.

| X | N105 | 706 | **Entity Relationship Code** | O | ID | 2/2 |

Code describing entity relationship.

| X | N106 | 98 | **Entity Identifier Code** | O | ID | 2/2 |

Code identifying an organizational entity, a physical location, or an individual

Segment:	**RMR** Remittance Advice Accounts Receivable Open Item Reference			
Position:	**150**			
Loop:	RMR			
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail			
Notes:	There is one RMR loop for each payment request against an ASAP account. There must be at least one RMR loop within each ENTITY loop.			

Syntax Notes:	**1**	If either RMR01 or RMR02 is present, then the other is required.
Semantic Notes:	**1**	If RMR03 is present, it specifies how the cash is to be applied.
Comments:	**1**	Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication.
	2	If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present.
	3	RMR04 is the amount paid.
	4	RMR05 may be needed by some payees to distinguish between duplicate reference numbers.
	5	RMR06 may be used to specify discount taken.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
>>	**RMR01**	**128**	**Reference Number Qualifier**	X	ID	2/2
			Code qualifying the Reference Number.			
			11 Account Number			
			Number identifies a telecommunications industry account			
>>	**RMR02**	**127**	**Reference Number**	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
			Contains the ASAP Account ID (20 positions).			
X	**RMR03**	**482**	**Payment Action Code**	O	ID	2/2
			Code specifying the type of accounts receivable open item(s) to be included in a cash application.			
>>	**RMR04**	**782**	**Monetary Amount**	O	R	1/15
			Monetary amount.			
			The actual payment for the request against the ASAP Account ID in RMR02 for the Recipient Organization in ENT07 from the Federal Program Agency in ENT04.			

| >> | **RMR05** | **777** | **Total Invoice or Credit/Debit Amount** | **O** | **R** | **1/15** |

Amount of Invoice (including charges, less allowances) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.

Contains the amount requested from the ASAP Account in RMR02 for the Recipient Organization in ENT07 from the Federal Program Agency in ENT04.

| X | **RMR06** | **780** | **Amount of Discount Taken** | **O** | **R** | **1/15** |

Amount of discount taken, which may be less than or equal to the amount of discount permitted

Segment: **REF** Reference Numbers
Position: **170**
Loop: RMR
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Notes: This REF segment must appear at least once but no more than twice for each RMR loop.

One occurrence of this REF segment must contain the Payment Request Item Number portion of the ASAP Sequence Number. This occurrence is required.

The other occurrence is optional. It contains the Catalog of Federal Domestic Assistance (CFDA) number, an optional data element in ASAP.

Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
>>	REF01	128	Reference Number Qualifier	M	ID	2/2

Code qualifying the Reference Number.

IX Item Number

Indicates that the Payment Request Item Number follows.

ZZ Mutually Defined

Indicates that the CFDA Number follows.

	Ref. Des.	Data Element	Name		Attributes	
>>	REF02	127	Reference Number	X	AN	1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

1. If REF01 is code IX, this element contains the Payment Request Item Number portion of the ASAP Sequence Number (6 positions).

2. If REF01 is code ZZ, this element contains the Catalog of Federal Domestic Assistance (CFDA) number (5 positions).

	Ref. Des.	Data Element	Name		Attributes	
X	REF03	352	Description	X	AN	1/80

A free-form description to clarify the related data elements and their content.

	Segment:	**IT1** Baseline Item Data (Invoice)
	Position:	**190**
	Loop:	IT1
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify the basic and most frequently used line item data for the invoice and related transactions.

Notes: There is one IT1 loop for each payment request against a Recipient Remittance Code under an ASAP account. If there are multiple requests from Recipient Remittance Codes under one ASAP account, the IT1 loop repeats as necessary within a single RMR loop. IT1 loops should not appear in an RMR loop if the ASAP Account ID is the lowest level of detail within a payment request.

Syntax Notes:
1   If IT106 is present, then IT107 is required.
2   If IT108 is present, then IT109 is required.
3   If IT110 is present, then IT111 is required.
4   If IT112 is present, then IT113 is required.
5   If IT114 is present, then IT115 is required.
6   If IT116 is present, then IT117 is required.
7   If IT118 is present, then IT119 is required.
8   If IT120 is present, then IT121 is required.
9   If IT122 is present, then IT123 is required.
10 If IT124 is present, then IT125 is required.

Semantic Notes:
1   IT101 is the purchase order line item identification.

Comments:
1   Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
2   IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
X	**IT101**	350	**Assigned Identification**	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set.			
>>	**IT102**	358	**Quantity Invoiced**	M	R	1/10
			Number of units invoiced (supplier units).			
			This field is always equal to 1.			
>>	**IT103**	355	**Unit or Basis for Measurement Code**	M	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			

DQ   Data Records
Number of Data Records handled

	Ref. Des.	Data Element	Name	Attributes		
>>	**IT104**	212	**Unit Price**	M	R	1/14
			Price per unit of product, service, commodity, etc.			
			The amount of the payment request at the Recipient Remittance Code level.			

X	IT105	639	**Basis of Unit Price Code**	**O**	**ID**	**2/2**

Code identifying the type of unit price for an item.

>>	IT106	235	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234).

> A3   Locally Assigned Control Number
>
> Item identifier is a locally assigned control number
> used to catalog and manage material

>>	IT107	234	**Product/Service ID**	**X**	**AN**	**1/30**

Identifying number for a product or service.
Contains the Recipient Remittance Code.

X	IT108	235	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234).

Refer to 003040 Data Element Dictionary for acceptable code values.

X	IT109	234	**Product/Service ID**	**X**	**AN**	**1/30**

Identifying number for a product or service.

X	IT110	235	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234).

Refer to 003040 Data Element Dictionary for acceptable code values.

X	IT111	234	**Product/Service ID**	**X**	**AN**	**1/30**

Identifying number for a product or service.

X	IT112	235	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234).

Refer to 003040 Data Element Dictionary for acceptable code values.

X	IT113	234	**Product/Service ID**	**X**	**AN**	**1/30**

Identifying number for a product or service.

X	IT114	235	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234).

Refer to 003040 Data Element Dictionary for acceptable code values.

X	IT115	234	**Product/Service ID**	**X**	**AN**	**1/30**

Identifying number for a product or service.

X	IT116	235	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234).

Refer to 003040 Data Element Dictionary for acceptable code values.

X	IT117	234	**Product/Service ID**	**X**	**AN**	**1/30**

Identifying number for a product or service.

X	IT118	235	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234).

Refer to 003040 Data Element Dictionary for acceptable code values.

X	**IT119**	**234**	**Product/Service ID**	**X**	**AN**	**1/30**
			Identifying number for a product or service.			
X	**IT120**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234).			
			Refer to 003040 Data Element Dictionary for acceptable code values.			
X	**IT121**	**234**	**Product/Service ID**	**X**	**AN**	**1/30**
			Identifying number for a product or service.			
X	**IT122**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234).			
			Refer to 003040 Data Element Dictionary for acceptable code values.			
X	**IT123**	**234**	**Product/Service ID**	**X**	**AN**	**1/30**
			Identifying number for a product or service.			
X	**IT124**	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234).			
			Refer to 003040 Data Element Dictionary for acceptable code values.			
X	**IT125**	**234**	**Product/Service ID**	**X**	**AN**	**1/30**
			Identifying number for a product or service.			

Segment: **SE** **Transaction Set Trailer**
Position: **010**
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Notes:
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
>> SE01	96	**Number of Included Segments**	M	N0	1/10
		Total number of segments included in a transaction set including ST and SE segments.			
>> SE02	329	**Transaction Set Control Number**	M	AN	4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
		Contains the Entry Detail Sequence portion of the ACH Trace Number (7 positions). Must equal the value in element ST02.			

ASAP PAYMENT FORMATS

PROCEDURES FOR RETURNING FUNDS TO ASAP

This section contains payment formats that must be used to return funds to ASAP. The Payment Requestor/Recipient Organization will provide these payment formats to its financial institution when requesting that the financial institution return funds to ASAP.

Payment Requestors/Recipient Organizations may provide a copy of this section to their financial institution for easy reference when a payment must be returned to ASAP.

Funds may be returned to ASAP via the Automated Clearing House (ACH) or via FEDWIRE. Full or partial amounts of payments received by a Payment Requestor/Recipient Organization may be returned to ASAP.

All funds returned to the ASAP system will be credited to the ASAP Suspense Account. The Suspense Account allows the Regional Financial Center to monitor returned items and ensure that funds are properly credited to the correct ASAP account. Returned funds which cannot be identified and classified to an ASAP account will be dishonored and returned to the originating depositary financial institution (ODFI).

It is essential that the Payment Requestor/ Recipient Organization provide its financial institution with ASAP account information (ALC, Recipient ID and Account ID) to which the return is to be credited.

Classified payments restore the balance of the ASAP account; in other words, the account balance is increased by the amount of the classified returned payment. Federal agencies will receive a notification when a return is classified to one of their accounts. Also, classified returned payments will appear in the on-line Account Statement Inquiry and on the user-requested Account Settlement Report.

I.   ACH Return Format

The format for ACH Returns is shown on Pages 3 and 4.

When to use this format:

!   when the **entire** amount of a payment is to be returned, and

!   when the funds are to be returned to ASAP on the next business day.

The Payment Requestor/Recipient Organization must provide the financial institution with the following information:

!   the ASAP account information, i.e., the ALC/Region, Recipient ID, and Account ID of the ASAP account from which the funds were originally requested.

The financial institution will put the ASAP account information in Field 7 of the addendum record.

ACH RETURN FORMAT

Entry Detail Record:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	6	1	01-01
2	Transaction Code	21	2	02-03
3	Receiving DFI Identification	05103680	8	04-11
4	Check Digit	3	1	12-12
5	DFI Account Number	Payment Requestor's bank account number	17	13-29
6	Total Amount	$$$$$$$$¢¢	10	30-39
7	Identification Number	optional	15	40-54
8	Number of Items Paid	numeric	4	55-58
9	Receiving Company Name	Payment Requestor's short name	16	59-74
10	Reserved	blank	2	75-76
11	Discretionary Data	optional	2	77-78
12	Addenda Record Indicator	1	1	79-79
13	Trace Number	assigned by FI	15	80-94

ACH RETURN FORMAT

Addendum Record:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	7	1	01-01
2	Addenda Type Code	99	2	02-03
3	Return Reason Code	any return reason code is acceptable	3	04-06
4	Original Entry Trace Number	copy from positions 80-94 of original entry detail record	15	07-21
5	Date of Death	leave blank	6	22-27
6	Original Receiving DFI Identification	copy from positions 04-11 of original entry detail record	8	28-35
7	Addenda Information	(ALC-Recipient ID-Account ID)	44	36-79
8	Trace Number	assigned by your bank	15	80-94

II. ACH CCD+/CTX Formats for Returns

The ACH CCD+ format for returns is shown on page 6; the ACH CTX format for returns is shown on page 7. The format your financial institution will use depends upon which format your financial institution is capable of originating. Either format is acceptable.

When to use these formats:

!   when a **partial** amount of a payment is to be returned, and

!   when the funds are to be returned to ASAP on the next business day.

The Payment Requestor/Recipient Organization must provide the financial institution with the following information:

!   the ASAP account information, i.e., the ALC/Region, Recipient ID, and Account ID of the ASAP account from which the funds were originally requested.

The financial institution will put the ASAP account information in Field 3 of the addendum record.

ACH CCD+ FORMAT FOR RETURNS

Entry Detail Record:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	6	1	01-01
2	Transaction Code	22	2	02-03
3	Receiving DFI Identification	05103680	8	04-11
4	Check Digit	3	1	12-12
5	DFI Account Number	20180500	17	13-29
6	Amount	($$$$$$$$¢¢)	10	30-39
7	Identification Number	optional	15	40-54
8	Receiving Company Name	FMS ASAP	22	55-76
9	Discretionary Data	optional	2	77-78
10	Addenda Record Indicator	1 when addendum record is present 0 when no addendum record is present	1	79-79
11	Trace Number	assigned by your bank	15	80-94

Addendum Record:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	7	1	01-01
2	Addenda Type Code	05	2	02-03
3	Payment Related Information	(ALC-Recipient ID-Account ID)	80	04-83
4	Addenda Sequence Number	numeric	4	84-87
5	Entry Detail Sequence Number	same as last seven numbers of entry detail trace number	7	88-94

ACH CTX FORMAT FOR RETURNS

Entry Detail Record:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	6	1	01-01
2	Transaction Code	22	2	02-03
3	Receiving DFI Identification	05103680	8	04-11
4	Check Digit	3	1	12-12
5	DFI Account Number	20180500	17	13-29
6	Total Amount	($$$$$$$$¢¢)	10	30-39
7	Identification Number	optional	15	40-54
8	Number of Addenda Records	numeric	4	55-58
9	Receiving Company Name	FMS ASAP	16	59-74
10	Reserved	blank	2	75-76
11	Discretionary Data	optional	2	77-78
12	Addenda Record Indicator	1 when addenda are present 0 when no addenda are present	1	79-79
13	Trace Number	assigned by your bank	15	80-94

Addenda Records:

Field	Data Element Name	Contents	Size	Position
1	Record Type Code	7	1	01-01
2	Addenda Type Code	05	2	02-03
3	Payment Related Information	(ALC-Recipient ID-Account ID)	80	04-83
4	Addenda Sequence Number	addenda number starting at 0001	4	84-87
5	Entry Detail Sequence Number	same as last seven numbers of entry detail trace no.	7	88-94

III.   FEDWIRE (FUNDS) FORMAT FOR RETURNS

The section contains the expanded FEDWIRE (FUNDS) format for returning funds to ASAP. This format is the preferred layout for FUNDS Typecodes 1000, 1002, or 1008 sent to ASAP. The layout is not required by the ASAP application, but a financial institution's use of this layout when returning funds to ASAP will facilitate the processing of these wires. Financial institutions will have the standard portions of the expanded FUNDS format provided to them directly by the Federal Reserve; the ASAP-specific portions appear below.

When to use this format:

!   when a **full or partial** amount of a payment is to be returned, and

!   when the funds are to be returned to ASAP on the current business day.

The Payment Requestor/Recipient Organization must provide the financial institution with the following information:

!   the ASAP account information, i.e., the ALC/Region, Recipient ID, and Account ID of the ASAP account from which the funds were originally requested, and

!   the Federal Agency's short name.

The financial institution will put the information in the following fields:

{4200 /02} - ALC/Region
{4200 /03} - Recipient ID and Account ID
{4200 /04} - Federal Agency's short name

FUNDS TYPECODE 1000, 1002, OR 1008 - SENT TO ASAP
(Preferred Layout)

Field Tag / Element	Data Element Name	Field Length	Data Element Value
{3400} /01	Receiver ABA Number	9	**051036803**
{3400} /02	Receiver Short Name	13	**ASAP FRB RICH**
{3600}	Business Function	3	**CTR**
{4200} /01	Beneficiary ID Code	1	**N**
{4200} /02	Agency Location Code	8	ALC of the Federal agency granting funds to the Recipient Organization
{4200} /02	Region Code	2	A two character "suffix" to the ALC used to further identify the Federal agency
{4200} /03	Recipient Organization ID	7	Recipient Organization ID as established in the ASAP system which uniquely identifies the recipient of Federal funds
{4200} /03		1	Space
{4200} /03	Account ID	20	Account ID in ASAP as established by the Federal agency
{4200} /04	Beneficiary Name	10	Federal agency's short name
{5000} /01	Originator ID Code	1	**D**
{5000} /02	Account Number	17	Recipient Organization's bank account number at DFI from which funds are being returned
{5000} /03	Originator's Name	35	Name of the Recipient Organization on whose behalf the funds are being returned
{5000} /04	Originator's Address-Line 1	35	Recipient Organization's address-line 1
{5000} /05	Originator's Address-Line 2	35	Recipient Organization's address-line 2
{5000} /06	Originator's Address-Line 3	35	Recipient Organization's address-line 3