

A Book Industry System Advisory Committee Implementation Guideline for EDI

820 Payment Order/Remittance Advice

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820 Payment Order/Remittance Advice

Functional Group=RA

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:

2/010 The ENT loop is for vendor or consumer third party consolidated payments.

Comments:

- 1/035 The TRN segment is used to uniquely identify a payment order/remittance advice.
- 1/040 The CUR segment does not initiate a foreign exchange transaction.
- 1/070 The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
- 2/010 ENT09 may contain the payee's accounts receivable customer number.
- 2/020 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).
- 2/080 This ADX loop contains adjustment items which are not netted to an RMR segment in this transaction set.
- 2/130 Loop IT1 within the ADX loop is the adjustment line item detail loop.
- 2/150 Loop RMR is for open items being referenced or for payment on account.
- 2/190 Loop IT1 within the RMR loop is the remittance line item detail loop.
- 2/210 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).
- 2/260 Loop IT1 within the ADX loop is the adjustment line item detail loop.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Required
020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1			Required
035	TRN	Trace	O	1		C1/035	Used
040	CUR	Currency	O	1		C1/040	Used
050	REF	Reference Identification	O	>1			Used
060	DTM	Date/Time Reference	O	>1			Used
LOOP ID - N1					≥1		
070	N1	Name	O	1		C1/070	Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - ENT					≥1		
010	ENT	Entity	O	1		C&N2/0 10	Used
LOOP ID - N1					≥1		

020	N1	Name	O	1		C2/020	Used
LOOP ID - ADX							≥1
080	ADX	Adjustment	O	1		C2/080	Used
LOOP ID - REF							≥1
110	REF	Reference Identification	O	1			Used
120	DTM	Date/Time Reference	O	>1			Required
LOOP ID - IT1							≥1
130	IT1	Baseline Item Data (Invoice)	O	1		C2/130	Used
LOOP ID - RMR							≥1
150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		C2/150	Used
170	REF	Reference Identification	O	>1			Used
180	DTM	Date/Time Reference	O	>1			Used
LOOP ID - IT1							≥1
190	IT1	Baseline Item Data (Invoice)	O	1		C2/190	Used
LOOP ID - ADX							≥1
210	ADX	Adjustment	O	1		C2/210	Used
220	NTE	Note/Special Instruction	O	>1			Used
LOOP ID - IT1							≥1
260	IT1	Baseline Item Data (Invoice)	O	1		C2/260	Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	SE	Transaction Set Trailer	M	1			Required

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number

Semantics:

- 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).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set <u>Code Name</u> 820 X12.4 Payment Order/Remittance Advice	M	ID	3/3	Required
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required

BPR Beginning Segment for Payment Order/Remittance Advice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 21

To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

Syntax:

- P0607 -- If either BPR06 or BPR07 are present, then the others are required.
- C0809 -- If BPR08 is present, then BPR09 is required
- P1213 -- If either BPR12 or BPR13 are present, then the others are required.
- C1415 -- If BPR14 is present, then BPR15 is required
- P1819 -- If either BPR18 or BPR19 are present, then the others are required.
- C2021 -- If BPR20 is present, then BPR21 is required

Semantics:

1. BPR02 specifies the payment amount.
2. When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used.
3. BPR06 and BPR07 relate to the originating depository financial institution (ODFI).
4. BPR08 is a code identifying the type of bank account or other financial asset.
5. BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.
6. BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).
7. BPR14 is a code identifying the type of bank account or other financial asset.
8. BPR15 is the account number of the receiving company to be debited or credited with the payment order.
9. BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).
10. BPR17 is a code identifying the business reason for this payment.
11. BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.
12. BPR20 is a code identifying the type of bank account or other financial asset.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BPR01	305	Transaction Handling Code Description: Code designating the action to be taken by all parties	M	ID	1/2	Required
		Code Name				
	C	Payment Accompanies Remittance Advice Description: Dollars and data move together through the banking system or the dollars and data have been re-associated for advising purposes.				
	D	Make Payment Only Description: Dollars moving separately from remittance data.				
	I	Remittance Information Only Description: Remittance data moving separately from the dollars.				
	P	Prenotification of Future Transfers Description: A zero dollar transaction used to validate bank accounts and funds routing. Highly recommended as an initial transaction between trading partners.				
BPR02	782	Monetary Amount Description: Monetary amount	M	R	1/15	Required

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BPR03	478	Credit/Debit Flag Code Description: Code indicating whether amount is a credit or debit	M	ID	1/1	Required
		<u>Code Name</u>				
		C Credit				
		D Debit				
BPR04	591	Payment Method Code Description: Code identifying the method for the movement of payment instructions	M	ID	3/3	Required
		<u>Code Name</u>				
		ACH Automated Clearing House (ACH)				
		BOP Financial Institution Option				
		CHK Check				
		FEW Federal Reserve Fund/Wire Transfer - Repetitive				
		FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive				
		REV ACH Reversal				
BPR05	812	Payment Format Code Description: Code identifying the payment format to be used	O	ID	1/10	Used
		<u>Code Name</u>				
		CCD Cash Concentration/Disbursement (CCD) (ACH)				
		CCP Cash Concentration/Disbursement plus Addenda (CCD+) (ACH)				
		CTP Corporate Trade Payment (CTP) (ACH)				
		CTX Corporate Trade Exchange (CTX) (ACH)				
		PBC Commercial/Corporate Check				
		PPD Prearranged Payment and Deposit (PPD+) (ACH)				
BPR06	506	(DFI) ID Number Qualifier Description: Code identifying the type of identification number of Depository Financial Institution (DFI)	C	ID	2/2	Used
		<u>Code Name</u>				
		01 ABA Transit Routing Number Including Check Digits (9 digits)				
BPR07	507	(DFI) Identification Number Description: Depository Financial Institution (DFI) identification number	C	AN	3/12	Used
BPR08	569	Account Number Qualifier Description: Code indicating the type of account	O	ID	1/3	Used
		<u>Code Name</u>				
		DA Demand Deposit				
BPR09	508	Account Number Description: Account number assigned	C	AN	1/35	Used
BPR10	509	Originating Company Identifier Description: 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	O	AN	10/10	Required
BPR11	510	Originating Company Supplemental Code Description: A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions	O	AN	9/9	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BPR12	506	(DFI) ID Number Qualifier Description: Code identifying the type of identification number of Depository Financial Institution (DFI) <u>Code Name</u> 01 ABA Transit Routing Number Including Check Digits (9 digits)	C	ID	2/2	Used
BPR13	507	(DFI) Identification Number Description: Depository Financial Institution (DFI) identification number	C	AN	3/12	Used
BPR14	569	Account Number Qualifier Description: Code indicating the type of account <u>Code Name</u> DA Demand Deposit	O	ID	1/3	Used
BPR15	508	Account Number Description: Account number assigned	C	AN	1/35	Used
BPR16	373	Date Description: Date (YYMMDD)	O	DT	6/6	Required
BPR17	1048	Business Function Code Description: Code identifying the business reason for this payment <u>Code Name</u> VEN Vendor Payment	O	ID	1/3	Used
* BPR18	506	(DFI) ID Number Qualifier Description: Code identifying the type of identification number of Depository Financial Institution (DFI)	C	ID	2/2	Not Used
* BPR19	507	(DFI) Identification Number Description: Depository Financial Institution (DFI) identification number	C	AN	3/12	Not Used
* BPR20	569	Account Number Qualifier Description: Code indicating the type of account	O	ID	1/3	Not Used
* BPR21	508	Account Number Description: Account number assigned	C	AN	1/35	Not Used

TRN Trace

Pos: 035	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

To uniquely identify a transaction to an application

Semantics:

1. TRN02 provides unique identification for the transaction.
2. TRN03 identifies an organization.
3. TRN04 identifies a further subdivision within the organization.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TRN01	481	Trace Type Code Description: Code identifying which transaction is being referenced <u>Code Name</u> 1 Current Transaction Trace Numbers	M	ID	1/2	Required
TRN02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Required
* TRN03	509	Originating Company Identifier Description: 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	O	AN	10/10	Not Used
* TRN04	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Not Used

CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 21

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax:

- C0807 -- If CUR08 is present, then CUR07 is required
- C0907 -- If CUR09 is present, then CUR07 is required
- L101112 -- If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- C1110 -- If CUR11 is present, then CUR10 is required
- C1210 -- If CUR12 is present, then CUR10 is required
- L131415 -- If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- C1413 -- If CUR14 is present, then CUR13 is required
- C1513 -- If CUR15 is present, then CUR13 is required
- L161718 -- If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- C1716 -- If CUR17 is present, then CUR16 is required
- C1816 -- If CUR18 is present, then CUR16 is required
- L192021 -- If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- C2019 -- If CUR20 is present, then CUR19 is required
- C2119 -- If CUR21 is present, then CUR19 is required

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual <u>Code Name</u> BT Bill-to-Party VN Vendor	M	ID	2/2	Required
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Required
* CUR03	280	Exchange Rate Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O	R	4/10	Not Used
* CUR04	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used
* CUR05	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* CUR06	669	Currency Market/Exchange Code Description: Code identifying the market upon which the currency exchange rate is based	O	ID	3/3	Not Used
* CUR07	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR08	373	Date Description: Date (YYMMDD)	O	DT	6/6	Not Used
* CUR09	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O	TM	4/8	Not Used
* CUR10	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR11	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR12	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* CUR13	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR14	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR15	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* CUR16	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR17	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR18	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* CUR19	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR20	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR21	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used

REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 4

To specify identifying information

Syntax:

1. REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification <u>Code Name</u> CK Check Number EF Electronic Funds Transfer ID Number	M	ID	2/3	Required
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Required
* REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used
* REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
*	127	Reference Identification	C	AN	1/30	Not Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

DTM Date/Time Reference

Pos: 060	Max: >1
Heading - Optional	
Loop: N/A	Elements: 7

To specify pertinent dates and times

Syntax:

R020306 -- At least one of DTM02, DTM03 or DTM06 is required.

P0607 -- If either DTM06 or DTM07 are present, then the others are required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time <u>Code Name</u> 097 Transaction Creation	M	ID	3/3	Required
DTM02	373	Date Description: Date (YYMMDD)	C	DT	6/6	Required
* DTM03	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* DTM04	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID	2/2	Not Used
DTM05	624	Century Description: The first two characters in the designation of the year (CCYY)	O	N0	2/2	Required
* DTM06	1250	Date Time Period Format Qualifier Description: Code indicating the date format, time format, or date and time format	C	ID	2/3	Not Used
* DTM07	1251	Date Time Period Description: Expression of a date, a time, or range of dates, times or dates and times	C	AN	1/35	Not Used

N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

To identify a party by type of organization, name, and code

Syntax:

R0203 -- At least one of N102 or N103 is required.

P0304 -- If either N103 or N104 are present, then the others are required.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual <u>Code Name</u> PE Payee PR Payer	M	ID	2/2	Required
N102	93	Name Description: Free-form name	C	AN	1/35	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> 15 Standard Address Number (SAN)	C	ID	1/2	Required
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Required
* N105	706	Entity Relationship Code Description: Code describing entity relationship	O	ID	2/2	Not Used
* N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used

ENT Entity

Pos: 010	Max: 1
Detail - Optional	
Loop: ENT	Elements: 9

To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

Syntax:

P020304 -- If either ENT02, ENT03 or ENT04 are present, then the others are required.

P050607 -- If either ENT05, ENT06 or ENT07 are present, then the others are required.

P0809 -- If either ENT08 or ENT09 are present, then the others are required.

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:
2. (1) Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master).
3. (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.
4. (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.
5. (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.
6. This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ENT01	554	Assigned Number Description: Number assigned for differentiation within a transaction set	O	N0	1/6	Required
ENT02	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual <u>Code Name</u> BY Buying Party (Purchaser)	C	ID	2/2	Used
ENT03	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> 15 Standard Address Number (SAN)	C	ID	1/2	Used
ENT04	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Used
* ENT05	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	C	ID	2/2	Not Used
* ENT06	66	Identification Code Qualifier Description: Code designating the system/method of code structure used	C	ID	1/2	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		for Identification Code (67)				
* ENT07	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Not Used
* ENT08	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
* ENT09	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

N1 Name

Pos: 020	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

To identify a party by type of organization, name, and code

Syntax:

R0203 -- At least one of N102 or N103 is required.
 P0304 -- If either N103 or N104 are present, then the others are required.

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual <u>Code Name</u> AO Account Of BY Buying Party (Purchaser)	M	ID	2/2	Required
N102	93	Name Description: Free-form name	C	AN	1/35	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code Name</u> 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	C	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Used
* N105	706	Entity Relationship Code Description: Code describing entity relationship	O	ID	2/2	Not Used
* N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used

ADX Adjustment

Pos: 080	Max: 1
Detail - Optional	
Loop: ADX	Elements: 4

To convey accounts-payable adjustment information for the purpose of cash application, including payer-generated debit/credit memos

Syntax:

P0304 -- If either ADX03 or ADX04 are present, then the others are required.

Semantics:

1. ADX01 specifies the amount of the adjustment and must be signed if negative. If negative, it reduces the payment amount; if positive, it increases the payment amount.
2. ADX02 specifies the reason for claiming the adjustment.
3. ADX03 and ADX04 specify the identification of the adjustment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ADX01	782	Monetary Amount Description: Monetary amount	M	R	1/15	Required
ADX02	426	Adjustment Reason Code Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment	M	ID	2/2	Required
		<u>Code Name</u>				
		01 Pricing Error				
		02 Allowance/Charge Error				
		03 Extension Error				
		04 Item Not Accepted - Damaged				
		05 Item Not Accepted - Quality				
		07 Incorrect Product				
		08 Substitute Product				
		09 Terms of Sale Error				
		11 Returns - Damage				
		15 Returns - Recall				
		16 Non-Invoice Related Allowance/Charge				
		24 Incorrect Discount				
		27 Product Transfers Subject to Charge Back				
		33 Currency Exchange Incorrect				
		54 Freight Deducted				
		55 Tax Deducted				
		59 Item not received				
		61 No open order on file				
		72 Authorized Return				
		74 Cancel or Adjust Prior Credit/Debit Adjustment				
		75 Total Order Not Received				
		76 Cash Discount				
		79 Cooperative Advertising				
		80 Overpayment				
		81 Credit as Agreed				
		86 Duplicate Payment				
		87 Duplicate Shipment				
		90 Early Payment Allowance				
		A2 Misshipped (Wrong Product Received)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		A4 Nonreceipt of Goods				
		A5 Overage				
		A7 Payment on Account				
		B8 Routing Violation				
		C1 Settlement of Account				
		C8 Ticketing Error				
		Description: (Incorrect or Missing Barcode)				
		CM Covered by Credit Memo				
		D1 Transfer Between Accounts				
		D4 Unauthorized Product				
		E9 Order Cancelled				
		GG Unsalable Merchandise				
		H2 Payment Previously Sent				
		Description: Payee received compensation at a prior time				
		IA Invoice Amount Does Not Match Account Analysis Statement				
		L7 Miscellaneous Deductions				
		Description: A deduction taken from the amount due a business entity for which not specific reason code exists; this code must be accompanied by a free-form explanation of the deduction				
		RD Receiving Discrepancy				
		RM Returned Material				
		Description: (Whole Copy)				
		WU Unspecified Recovery				
		ZZ Mutually Defined				
		Description: (A reason other than one of the above which has been explained in another document or transaction.)				

ADX03 128 Reference Identification Qualifier C ID 2/3 Used

Description: Code Qualifying the Reference Identification

Code Name

AM	Adjustment Memo (Charge Back)
BM	Bill of Lading Number
CL	Seller's Credit Memo
CM	Buyer's Credit Memo
CN	Carrier's Reference Number (PRO/Invoice)
DB	Buyer's Debit Memo
DL	Seller's Debit Memo
MB	Master Bill of Lading
RZ	Returned Goods Authorization Number
SI	Shipper's Identifying Number for Shipment (SID)
	Description: A unique number (to the shipper) assigned by the shipper to identify the shipment

ADX04 127 Reference Identification C AN 1/30 Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF Reference Identification

Pos: 110	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

To specify identifying information

Syntax:

1. REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Required
		<u>Code Name</u>				
		AM Adjustment Memo (Charge Back)				
		CK Check Number				
		CM Buyer's Credit Memo				
		DL Seller's Debit Memo				
		EF Electronic Funds Transfer ID Number				
		IV Seller's Invoice Number				
		PO Purchase Order Number				
		RZ Returned Goods Authorization Number				
		VV Voucher				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Required
* REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used
* REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Set or as specified by the Reference Identification Qualifier				
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

DTM Date/Time Reference

Pos: 120	Max: >1
Detail - Optional	
Loop: REF	Elements: 7

To specify pertinent dates and times

Syntax:

R020306 -- At least one of DTM02, DTM03 or DTM06 is required.

P0607 -- If either DTM06 or DTM07 are present, then the others are required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Required
		<u>Code</u> <u>Name</u>				
		003 Invoice				
		004 Purchase Order				
		007 Effective				
		Description: (voucher)				
		020 Check				
		021 Charge Back				
		188 Credit Advice				
		189 Debit Advice				
		283 Funds Appropriation - Start				
		Description: The date that funds appropriation begins (EFT Date)				
DTM02	373	Date Description: Date (YYMMDD)	C	DT	6/6	Required
* DTM03	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* DTM04	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID	2/2	Not Used
DTM05	624	Century Description: The first two characters in the designation of the year (CCYY)	O	N0	2/2	Used
* DTM06	1250	Date Time Period Format Qualifier Description: Code indicating the date format, time format, or date and time format	C	ID	2/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* DTM07	1251	Date Time Period Description: Expression of a date, a time, or range of dates, times or dates and times	C	AN	1/35	Not Used

IT1 Baseline Item Data (Invoice)

Pos: 130	Max: 1
Detail - Optional	
Loop: IT1	Elements: 25

To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax:

- P020304 -- If either IT102, IT103 or IT104 are present, then the others are required.
- P0607 -- If either IT106 or IT107 are present, then the others are required.
- P0809 -- If either IT108 or IT109 are present, then the others are required.
- P1011 -- If either IT110 or IT111 are present, then the others are required.
- P1213 -- If either IT112 or IT113 are present, then the others are required.
- P1415 -- If either IT114 or IT115 are present, then the others are required.
- P1617 -- If either IT116 or IT117 are present, then the others are required.
- P1819 -- If either IT118 or IT119 are present, then the others are required.
- P2021 -- If either IT120 or IT121 are present, then the others are required.
- P2223 -- If either IT122 or IT123 are present, then the others are required.
- P2425 -- If either IT124 or IT125 are present, then the others are required.

Semantics:

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 IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., or SKU.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	C	R	1/10	Required
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> ST Set UN Unit	C	ID	2/2	Required
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Required
IT105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item <u>Code Name</u> CA Catalog	O	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		NC No Charge PE Price per Each PR Promotion SR Suggested Retail				
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<u>Code Name</u> A1 Plant Equipment Number Description: Item identifier is a plant equipment number B1 Volume Set B2 Library of Congress Code B3 Edition Code B4 Binding Code B5 Title Code B6 Author Code B7 Publisher Code BN Bar-Coded Serial Number CB Buyer's Catalog Number EN European Article Number (EAN) (2-5-5-1) Description: (Bookland EAN) GC Grade Code Description: When using a qualifier value of GC then data element 234 should be on of the following values: 00 General Condition New or Used 01 New Condition Only 02 Used, Good Condition Only 03 Used, Poor Condition 04 Used, Any Condition 05 No Marked Complimentary Copies IB International Standard Book Number (ISBN) NC Treasury Management Association PL Purchaser's Order Line Number PO Purchase Order Number PR Process Number RT Reel Type VN Vendor's (Seller's) Item Number ZZ Mutually Defined				
IT107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT112	235	Product/Service ID Qualifier	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
IT113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT115	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT116	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT117	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT118	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT119	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT120	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT121	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT122	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT123	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT124	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT125	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

RMR Remittance Advice Accounts Receivable Open Item Reference

Pos: 150	Max: 1
Detail - Optional	
Loop: RMR	Elements: 8

To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail

Syntax:

P0102 -- If either RMR01 or RMR02 are present, then the others are required.

P0708 -- If either RMR07 or RMR08 are present, then the others are required.

Semantics:

1. If RMR03 is present, it specifies how the cash is to be applied.
2. RMR04 is the amount paid.
3. RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.
4. RMR06 is the amount of discount taken.
5. RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

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. RMR05 may be needed by some payees to distinguish between duplicate reference numbers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
RMR01	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification <u>Code Name</u> IV Seller's Invoice Number	C	ID	2/3	Required
RMR02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Required
RMR03	482	Payment Action Code Description: Code specifying the accounts receivable open item(s), if any, to be included in the cash application. <u>Code Name</u> ER Evaluated Receipts Settlement PA Payment in Advance PI Pay Item PO Payment on Account PP Partial Payment	O	ID	2/2	Used
RMR04	782	Monetary Amount Description: Monetary amount	O	R	1/15	Used
RMR05	782	Monetary Amount Description: Monetary amount	O	R	1/15	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
RMR06	782	Monetary Amount Description: Monetary amount	O	R	1/15	Used
* RMR07	426	Adjustment Reason Code Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment	C	ID	2/2	Not Used
* RMR08	782	Monetary Amount Description: Monetary amount	C	R	1/15	Not Used

REF Reference Identification

Pos: 170	Max: >1
Detail - Optional	
Loop: RMR	Elements: 4

To specify identifying information

Syntax:

R0203 -- At least one of REF02 or REF03 is required.

Semantics:

- REF04 contains data relating to the value cited in REF02.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Required
		<u>Code Name</u>				
		AA Accounts Receivable Statement Number				
		BM Bill of Lading Number				
		BT Batch Number				
		CK Check Number				
		CN Carrier's Reference Number (PRO/Invoice)				
		DP Department Number				
		MB Master Bill of Lading				
		PO Purchase Order Number				
		RZ Returned Goods Authorization Number				
		SI Shipper's Identifying Number for Shipment (SID) Description: A unique number (to the shipper) assigned by the shipper to identify the shipment				
		VV Voucher				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Required
* REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used
* REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/30	Not Used
*	128	Reference Identification Qualifier	C	ID	2/3	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code Qualifying the Reference Identification				
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used
*	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	C	ID	2/3	Not Used
*	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Not Used

DTM Date/Time Reference

Pos: 180	Max: >1
Detail - Optional	
Loop: RMR	Elements: 7

To specify pertinent dates and times

Syntax:

R020306 -- At least one of DTM02, DTM03 or DTM06 is required.

P0607 -- If either DTM06 or DTM07 are present, then the others are required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time <u>Code Name</u> 003 Invoice	M	ID	3/3	Required
DTM02	373	Date Description: Date (YYMMDD)	C	DT	6/6	Required
* DTM03	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* DTM04	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID	2/2	Not Used
DTM05	624	Century Description: The first two characters in the designation of the year (CCYY)	O	N0	2/2	Required
* DTM06	1250	Date Time Period Format Qualifier Description: Code indicating the date format, time format, or date and time format	C	ID	2/3	Not Used
* DTM07	1251	Date Time Period Description: Expression of a date, a time, or range of dates, times or dates and times	C	AN	1/35	Not Used

IT1 Baseline Item Data (Invoice)

Pos: 190	Max: 1
Detail - Optional	
Loop: IT1	Elements: 25

To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax:

- P020304 -- If either IT102, IT103 or IT104 are present, then the others are required.
- P0607 -- If either IT106 or IT107 are present, then the others are required.
- P0809 -- If either IT108 or IT109 are present, then the others are required.
- P1011 -- If either IT110 or IT111 are present, then the others are required.
- P1213 -- If either IT112 or IT113 are present, then the others are required.
- P1415 -- If either IT114 or IT115 are present, then the others are required.
- P1617 -- If either IT116 or IT117 are present, then the others are required.
- P1819 -- If either IT118 or IT119 are present, then the others are required.
- P2021 -- If either IT120 or IT121 are present, then the others are required.
- P2223 -- If either IT122 or IT123 are present, then the others are required.
- P2425 -- If either IT124 or IT125 are present, then the others are required.

Semantics:

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 IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., or SKU.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	C	R	1/10	Required
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> ST Set UN Unit	C	ID	2/2	Required
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Required
IT105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item <u>Code Name</u> CA Catalog	O	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		NC No Charge PE Price per Each PR Promotion SR Suggested Retail				
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<u>Code Name</u> A1 Plant Equipment Number Description: Item identifier is a plant equipment number B1 Volume Set B2 Library of Congress Code B3 Edition Code B4 Binding Code B5 Title Code B6 Author Code B7 Publisher Code BN Bar-Coded Serial Number CB Buyer's Catalog Number EN European Article Number (EAN) (2-5-5-1) Description: (Bookland EAN) GC Grade Code Description: When using a qualifier value of GC then data element 234 should be on of the following values: 00 General Condition New or Used 01 New Condition Only 02 Used, Good Condition Only 03 Used, Poor Condition 04 Used, Any Condition 05 No Marked Complimentary Copies IB International Standard Book Number (ISBN) NC Treasury Management Association PL Purchaser's Order Line Number PO Purchase Order Number PR Process Number RT Reel Type VN Vendor's (Seller's) Item Number ZZ Mutually Defined				
IT107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT112	235	Product/Service ID Qualifier	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
IT113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT115	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT116	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT117	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT118	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT119	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT120	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT121	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT122	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT123	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT124	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT125	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

ADX Adjustment

Pos: 210	Max: 1
Detail - Optional	
Loop: ADX	Elements: 4

To convey accounts-payable adjustment information for the purpose of cash application, including payer-generated debit/credit memos

Syntax:

1. ADX03 P0304 -- If either ADX03 or ADX04 are present, then the others are required.

Semantics:

1. ADX01 specifies the amount of the adjustment and must be signed if negative. If negative, it reduces the payment amount; if positive, it increases the payment amount.
2. ADX02 specifies the reason for claiming the adjustment.
3. ADX03 and ADX04 specify the identification of the adjustment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ADX01	782	Monetary Amount Description: Monetary amount	M	R	1/15	Required
ADX02	426	Adjustment Reason Code Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment	M	ID	2/2	Required
		<u>Code</u> <u>Name</u>				
		01 Pricing Error				
		02 Allowance/Charge Error				
		03 Extension Error				
		04 Item Not Accepted - Damaged				
		05 Item Not Accepted - Quality				
		07 Incorrect Product				
		08 Substitute Product				
		09 Terms of Sale Error				
		11 Returns - Damage				
		15 Returns - Recall				
		16 Non-Invoice Related Allowance/Charge				
		24 Incorrect Discount				
		27 Product Transfers Subject to Charge Back				
		33 Currency Exchange Incorrect				
		54 Freight Deducted				
		55 Tax Deducted				
		59 Item not received				
		61 No open order on file				
		72 Authorized Return				
		74 Cancel or Adjust Prior Credit/Debit Adjustment				
		75 Total Order Not Received				
		76 Cash Discount				
		79 Cooperative Advertising				
		80 Overpayment				
		81 Credit as Agreed				
		86 Duplicate Payment				
		87 Duplicate Shipment				
		90 Early Payment Allowance				
		A2 Misshipped (Wrong Product Received)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		A4 Nonreceipt of Goods				
		A5 Overage				
		A7 Payment on Account				
		B8 Routing Violation				
		C1 Settlement of Account				
		C8 Ticketing Error				
		Description: (Incorrect or Missing Barcode)				
		CM Covered by Credit Memo				
		D1 Transfer Between Accounts				
		D4 Unauthorized Product				
		E9 Order Cancelled				
		GG Unsalable Merchandise				
		H2 Payment Previously Sent				
		Description: Payee received compensation at a prior time				
		IA Invoice Amount Does Not Match Account Analysis Statement				
		L7 Miscellaneous Deductions				
		Description: A deduction taken from the amount due a business entity for which not specific reason code exists; this code must be accompanied by a free-form explanation of the deduction				
		RD Receiving Discrepancy				
		RM Returned Material				
		Description: (Whole Copy)				
		WU Unspecified Recovery				
		ZZ Mutually Defined				
		Description: (A reason other than one of the above which has been explained in another document or transaction.)				

ADX03 128 Reference Identification Qualifier C ID 2/3 Used

Description: Code Qualifying the Reference Identification

Code Name

AM	Adjustment Memo (Charge Back)
BM	Bill of Lading Number
CL	Seller's Credit Memo
CM	Buyer's Credit Memo
CN	Carrier's Reference Number (PRO/Invoice)
DB	Buyer's Debit Memo
DL	Seller's Debit Memo
MB	Master Bill of Lading
RZ	Returned Goods Authorization Number
SI	Shipper's Identifying Number for Shipment (SID)
	Description: A unique number (to the shipper) assigned by the shipper to identify the shipment

ADX04 127 Reference Identification C AN 1/30 Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

NTE Note/Special Instruction

Pos: 220	Max: >1
Detail - Optional	
Loop: ADX	Elements: 2

To transmit information in a free-form format, if necessary, for comment or special instruction

Comments:

- The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* NTE01	363	Note Reference Code Description: Code identifying the functional area or purpose for which the note applies	O	ID	3/3	Not Used
NTE02	352	Description Description: A free-form description to clarify the related data elements and their content	M	AN	1/80	Required

IT1 Baseline Item Data (Invoice)

Pos: 260	Max: 1
Detail - Optional	
Loop: IT1	Elements: 25

To specify the basic and most frequently used line item data for the invoice and related transactions

Syntax:

- P020304 -- If either IT102, IT103 or IT104 are present, then the others are required.
- P0607 -- If either IT106 or IT107 are present, then the others are required.
- P0809 -- If either IT108 or IT109 are present, then the others are required.
- P1011 -- If either IT110 or IT111 are present, then the others are required.
- P1213 -- If either IT112 or IT113 are present, then the others are required.
- P1415 -- If either IT114 or IT115 are present, then the others are required.
- P1617 -- If either IT116 or IT117 are present, then the others are required.
- P1819 -- If either IT118 or IT119 are present, then the others are required.
- P2021 -- If either IT120 or IT121 are present, then the others are required.
- P2223 -- If either IT122 or IT123 are present, then the others are required.
- P2425 -- If either IT124 or IT125 are present, then the others are required.

Semantics:

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 IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., or SKU.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	C	R	1/10	Required
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code Name</u> ST Set UN Unit	C	ID	2/2	Required
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Required
IT105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item <u>Code Name</u> CA Catalog	O	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		NC No Charge PE Price per Each PR Promotion SR Suggested Retail				
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
		<u>Code Name</u> A1 Plant Equipment Number Description: Item identifier is a plant equipment number B1 Volume Set B2 Library of Congress Code B3 Edition Code B4 Binding Code B5 Title Code B6 Author Code B7 Publisher Code BN Bar-Coded Serial Number CB Buyer's Catalog Number EN European Article Number (EAN) (2-5-5-1) Description: (Bookland EAN) GC Grade Code Description: When using a qualifier value of GC then data element 234 should be one of the following values: 00 General Condition New or Used 01 New Condition Only 02 Used, Good Condition Only 03 Used, Poor Condition 04 Used, Any Condition 05 No Marked Complimentary Copies IB International Standard Book Number (ISBN) NC Treasury Management Association PL Purchaser's Order Line Number PO Purchase Order Number PR Process Number RT Reel Type VN Vendor's (Seller's) Item Number ZZ Mutually Defined				
IT107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT112	235	Product/Service ID Qualifier	C	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
IT113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT115	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT116	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT117	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT118	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT119	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT120	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT121	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT122	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT123	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT124	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	Used
IT125	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

SE Transaction Set Trailer

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Comments:

- SE is the last segment of each transaction set.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Required
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required