

820 Payment Order/Remittance Advice

Functional Group=RA

Purpose: 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.

Not Defined:

<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>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

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			Must use
020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1			Must use
030	NTE	Note/Special Instruction	O	>1			Used
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

<u>LOOP ID - N1</u>					<u>>1</u>	<u>C1/070L</u>	
070	N1	Name	O	1		C1/070	Used
080	N2	Additional Name Information	O	>1			Used
090	N3	Address Information	O	>1			Used
100	N4	Geographic Location	O	1			Used
110	REF	Reference Identification	O	>1			Used
120	PER	Administrative Communications Contact	O	>1			Used
130	RDM	Remittance Delivery Method	O	1			Used
140	DTM	Date/Time Reference	O	1			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>
<u>LOOP ID - ENT</u>					<u>>1</u>	<u>CN2/010L</u>	
010	ENT	Entity	O	1		CN2/010	Used
<u>LOOP ID - NM1</u>					<u>>1</u>	<u>C2/020L</u>	
020	NM1	Individual or Organizational Name	O	1		C2/020	Used
030	N2	Additional Name	O	>1			Used

<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>
		Information					
040	N3	Address Information	O	>1			Used
050	N4	Geographic Location	O	1			Used
060	REF	Reference Identification	O	>1			Used
070	PER	Administrative Communications Contact	O	>1			Used
LOOP ID - ADX					≥1	C2/080L	
080	ADX	Adjustment	O	1		C2/080	Used
090	NTE	Note/Special Instruction	O	>1			Used
100	PER	Administrative Communications Contact	O	>1			Used
105	DTM	Date/Time Reference	O	1			Used
LOOP ID - REF					≥1		
110	REF	Reference Identification	O	1			Used
120	DTM	Date/Time Reference	O	>1			Used
LOOP ID - IT1					≥1	C2/130L	
130	IT1	Baseline Item Data (Invoice)	O	1		C2/130	Used
LOOP ID - REF					≥1		
140	REF	Reference Identification	O	1			Used
141	DTM	Date/Time Reference	O	1			Used
LOOP ID - SAC					≥1		
142	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
143	TXI	Tax Information	O	>1			Used
LOOP ID - SLN					≥1		
144	SLN	Subline Item Detail	O	1			Used
LOOP ID - REF					≥1		
145	REF	Reference Identification	O	1			Used
146	DTM	Date/Time Reference	O	>1			Used
LOOP ID - SAC					≥1		
147	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
148	TXI	Tax Information	O	>1			Used
LOOP ID - RMR					≥1	C2/150L	
150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		C2/150	Used
160	NTE	Note/Special Instruction	O	>1			Used
170	REF	Reference Identification	O	>1			Used
180	DTM	Date/Time Reference	O	>1			Used
LOOP ID - IT1					≥1	C2/190L	
190	IT1	Baseline Item Data (Invoice)	O	1		C2/190	Used

<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 - REF						≥1	
200	REF	Reference Identification	O	1			Used
201	DTM	Date/Time Reference	O	1			Used
LOOP ID - SAC						≥1	
202	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
203	TXI	Tax Information	O	>1			Used
LOOP ID - SLN						≥1	
204	SLN	Subline Item Detail	O	1			Used
LOOP ID - REF						≥1	
205	REF	Reference Identification	O	1			Used
206	DTM	Date/Time Reference	O	>1			Used
LOOP ID - SAC						≥1	
207	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
208	TXI	Tax Information	O	>1			Used
LOOP ID - ADX						≥1	C2/210L
210	ADX	Adjustment	O	1		C2/210	Used
220	NTE	Note/Special Instruction	O	>1			Used
230	PER	Administrative Communications Contact	O	>1			Used
LOOP ID - REF						≥1	
240	REF	Reference Identification	O	1			Used
250	DTM	Date/Time Reference	O	>1			Used
LOOP ID - IT1						≥1	C2/260L
260	IT1	Baseline Item Data (Invoice)	O	1		C2/260	Used
LOOP ID - REF						≥1	
270	REF	Reference Identification	O	1			Used
271	DTM	Date/Time Reference	O	1			Used
LOOP ID - SAC						≥1	
272	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
273	TXI	Tax Information	O	>1			Used
LOOP ID - SLN						≥1	
274	SLN	Subline Item Detail	O	1			Used
LOOP ID - REF						≥1	
275	REF	Reference Identification	O	1			Used
276	DTM	Date/Time Reference	O	>1			Used
LOOP ID - SAC						≥1	
277	SAC	Service, Promotion, Allowance, or Charge	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u> Information	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
278	TXI	Tax Information	O	>1			Used
LOOP ID - TXP					≥1	N2/280L	
280	TXP	Tax Payment	O	1		N2/280	Used
285	TXI	Tax Information	O	>1			Used
LOOP ID - DED					≥1	N2/287L	
287	DED	Deductions	O	1		N2/287	Used
LOOP ID - LX					≥1	N2/290L	
290	LX	Assigned Number	O	1		N2/290	Used
295	REF	Reference Identification	O	>1			Used
300	TRN	Trace	O	>1			Used
LOOP ID - NM1					≥1		
305	NM1	Individual or Organizational Name	O	1			Used
310	REF	Reference Identification	O	>1			Used
315	G53	Maintenance Type	O	1			Used
LOOP ID - AIN					≥1		
320	AIN	Income	O	1			Used
325	QTY	Quantity	O	>1			Used
330	DTP	Date or Time or Period	O	>1			Used
LOOP ID - PEN					≥1		
335	PEN	Pension Information	O	1			Used
340	AMT	Monetary Amount	O	>1			Used
345	DTP	Date or Time or Period	O	>1			Used
LOOP ID - INV					≥1		
350	INV	Investment Vehicle Selection	O	1			Used
355	DTP	Date or Time or Period	O	>1			Used
LOOP ID - N9					1	N2/360L	
360	N9	Reference Identification	O	1		N2/360	Used
LOOP ID - AMT					≥1	C2/370L	
370	AMT	Monetary Amount	O	1		C2/370	Used
380	REF	Reference Identification	O	>1			Used
LOOP ID - N1					≥1		
390	N1	Name	O	1			Used
400	REF	Reference Identification	O	>1			Used
LOOP ID - EMS					≥1		
410	EMS	Employment Position	O	1			Used
420	ATN	Attendance	O	>1			Used
430	AIN	Income	O	>1			Used
440	PYD	Payroll Deduction	O	>1			Used
LOOP ID - RYL					≥1	N2/450L	
450	RYL	Royalty Payment	O	1		N2/450	Used
LOOP ID - NM1					≥1		

<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>
460	NM1	Individual or Organizational Name	O	1			Used
LOOP ID - LOC					≥1		
470	LOC	Location	O	1			Used
LOOP ID - PID					≥1		
480	PID	Product/Item Description	O	1			Used
490	DTM	Date/Time Reference	O	1			Used
LOOP ID - PCT					≥1		
500	PCT	Percent Amounts	O	1			Used
510	QTY	Quantity	O	1			Used
LOOP ID - AMT					≥1		
520	AMT	Monetary Amount	O	1			Used
530	ADX	Adjustment	O	>1			Used
LOOP ID - ASM					1		
540	ASM	Amount and Settlement Method	O	1			Used
550	ADX	Adjustment	O	1			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			Must use

Not Defined:

<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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

- 2/010L The ENT loop is for vendor or consumer third party consolidated payments.
- 2/010 The ENT loop is for vendor or consumer third party consolidated payments.
- 2/280L The TXP loop is for tax payments.
- 2/280 The TXP loop is for tax payments.
- 2/287L The DED loop is for child support payments.
- 2/287 The DED loop is for child support payments.
- 2/290L The LX loop is for pension payments.
- 2/290 The LX loop is for pension payments.
- 2/360L The N9 loop is for payroll payments.
- 2/360 The N9 loop is for payroll payments.
- 2/450L The RYL loop is for royalty payments.
- 2/450 The RYL loop is for royalty 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.
- 1/070L The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.

- 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.
- 2/010L ENT09 may contain the payee's accounts receivable customer number.
- 2/010 ENT09 may contain the payee's accounts receivable customer number.
- 2/020L Allowing the NM1 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).
- 2/020 Allowing the NM1 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).
- 2/080L This ADX loop contains adjustment items which are not netted to an RMR segment in this transaction set.
- 2/080 This ADX loop contains adjustment items which are not netted to an RMR segment in this transaction set.
- 2/130L Loop IT1 within the ADX loop is the adjustment line item detail loop.
- 2/130 Loop IT1 within the ADX loop is the adjustment line item detail loop.
- 2/150L Loop RMR is for open items being referenced or for payment on account.
- 2/150 Loop RMR is for open items being referenced or for payment on account.
- 2/190L Loop IT1 within the RMR loop is the remittance line item detail loop.
- 2/190 Loop IT1 within the RMR loop is the remittance line item detail loop.
- 2/210L 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).
- 2/210 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).
- 2/260L Loop IT1 within the ADX loop is the adjustment line item detail loop.
- 2/260 Loop IT1 within the ADX loop is the adjustment line item detail loop.
- 2/370L The AMT segment can be used to provide information about allocation or distribution of gross pay that is split across multiple payment orders.
- 2/370 The AMT segment can be used to provide information about allocation or distribution of gross pay that is split across multiple payment orders.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

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>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.				
ISA02	I02	Authorization Information	M	AN	10/10	Must use
		Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information All valid standard codes are used.				
ISA04	I04	Security Information	M	AN	10/10	Must use
		Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.				
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
		Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.				
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
		Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
ISA09	I08	Interchange Date	M	DT	6/6	Must use
		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments All valid standard codes are used.				
ISA13	I12	Interchange Control Number	M	NO	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used.				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used.				
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

Purpose: To indicate the beginning of a functional group and to provide control information

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>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
Code Name						
RA Payment Order/Remittance Advice (820)						
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
GS05	337	Time	M	TM	4/8	Must use
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)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
All valid standard codes are used.						
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
Code Name						
004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997						

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

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

User Option (Usage): Must use

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

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	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set All valid standard codes are used.				
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Semantics:

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).

BPR Beginning Segment for Payment Order/Remittance Advice

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

User Option (Usage): Must use

Purpose: 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

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	M	ID	1/2	Must use
		Description: Code designating the action to be taken by all parties All valid standard codes are used.				
BPR02	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				
BPR03	478	Credit/Debit Flag Code	M	ID	1/1	Must use
		Description: Code indicating whether amount is a credit or debit All valid standard codes are used.				
BPR04	591	Payment Method Code	M	ID	3/3	Must use
		Description: Code identifying the method for the movement of payment instructions All valid standard codes are used.				
BPR05	812	Payment Format Code	O	ID	1/10	Used
		Description: Code identifying the payment format to be used All valid standard codes are used.				
BPR06	506	(DFI) ID Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of identification number of Depository Financial Institution (DFI) All valid standard codes are used.				
BPR07	507	(DFI) Identification Number	X	AN	3/12	Used
		Description: Depository Financial Institution (DFI) identification number				
BPR08	569	Account Number Qualifier	O	ID	1/3	Used
		Description: Code indicating the type of account All valid standard codes are used.				
BPR09	508	Account Number	X	AN	1/35	Used
		Description: Account number assigned				
BPR10	509	Originating Company Identifier	O	AN	10/10	Used
		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				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		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				
BPR11	510	Originating Company Supplemental Code	O	AN	9/9	Used
		Description: 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	Used
		Description: Code identifying the type of identification number of Depository Financial Institution (DFI) All valid standard codes are used.				
BPR13	507	(DFI) Identification Number	X	AN	3/12	Used
		Description: Depository Financial Institution (DFI) identification number				
BPR14	569	Account Number Qualifier	O	ID	1/3	Used
		Description: Code indicating the type of account All valid standard codes are used.				
BPR15	508	Account Number	X	AN	1/35	Used
		Description: Account number assigned				
BPR16	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
BPR17	1048	Business Function Code	O	ID	1/3	Used
		Description: Code identifying the business reason for this payment All valid standard codes are used.				
BPR18	506	(DFI) ID Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of identification number of Depository Financial Institution (DFI) All valid standard codes are used.				
BPR19	507	(DFI) Identification Number	X	AN	3/12	Used
		Description: Depository Financial Institution (DFI) identification number				
BPR20	569	Account Number Qualifier	O	ID	1/3	Used
		Description: Code indicating the type of account All valid standard codes are used.				
BPR21	508	Account Number	X	AN	1/35	Used
		Description: Account number assigned				

Syntax Rules:

1. P0607 - If either BPR06 or BPR07 is present, then the other is required.
2. C0809 - If BPR08 is present, then BPR09 is required.
3. P1213 - If either BPR12 or BPR13 is present, then the other is required.
4. C1415 - If BPR14 is present, then BPR15 is required.

5. P1819 - If either BPR18 or BPR19 is present, then the other is required.
6. 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.

NTE Note/Special Instruction

Pos: 030	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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

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	O	ID	3/3	Used
<p>Description: Code identifying the functional area or purpose for which the note applies All valid standard codes are used.</p>						
NTE02	352	Description	M	AN	1/80	Must use
<p>Description: A free-form description to clarify the related data elements and their content</p>						

Comments:

1. 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.

TRN Trace

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

User Option (Usage): Used

Purpose: To uniquely identify a transaction to an application

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	M	ID	1/2	Must use

Description: Code identifying which transaction is being referenced

All valid standard codes are used.

TRN02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

TRN03	509	Originating Company Identifier	O	AN	10/10	Used
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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

TRN04	127	Reference Identification	O	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Semantics:

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

CUR Currency

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

User Option (Usage): Used

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

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	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				
CUR02	100	Currency Code	M	ID	3/3	Must use
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
CUR03	280	Exchange Rate	O	R	4/10	Used
		Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another				
CUR04	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				
CUR05	100	Currency Code	O	ID	3/3	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
CUR06	669	Currency Market/Exchange Code	O	ID	3/3	Used
		Description: Code identifying the market upon which the currency exchange rate is based				
		All valid standard codes are used.				
CUR07	374	Date/Time Qualifier	X	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time				
		All valid standard codes are used.				
CUR08	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
CUR09	337	Time	O	TM	4/8	Used
		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)				
CUR10	374	Date/Time Qualifier	X	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time				
		All valid standard codes are used.				
CUR11	373	Date	X	DT	8/8	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: Date expressed as CCYYMMDD				
CUR12	337	Time	X	TM	4/8	Used
		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)				
CUR13	374	Date/Time Qualifier	X	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
CUR14	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
CUR15	337	Time	X	TM	4/8	Used
		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)				
CUR16	374	Date/Time Qualifier	X	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
CUR17	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
CUR18	337	Time	X	TM	4/8	Used
		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)				
CUR19	374	Date/Time Qualifier	X	ID	3/3	Used
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
CUR20	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
CUR21	337	Time	X	TM	4/8	Used
		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)				

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.

4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

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

REF Reference Identification

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

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 060	Max: >1
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Name

Pos: 070	Repeat: >1
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	O	1		Used
080	N2	Additional Name Information	O	>1		Used
090	N3	Address Information	O	>1		Used
100	N4	Geographic Location	O	1		Used
110	REF	Reference Identification	O	>1		Used
120	PER	Administrative Communications Contact	O	>1		Used
130	RDM	Remittance Delivery Method	O	1		Used
140	DTM	Date/Time Reference	O	1		Used

N1 Name

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

User Option (Usage): Used

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

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	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used.				
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
N105	706	Entity Relationship Code	O	ID	2/2	Used
		Description: Code describing entity relationship				
		All valid standard codes are used.				
N106	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				

Syntax Rules:

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

N2 Additional Name Information

Pos: 080	Max: >1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

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>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

N3 Address Information

Pos: 090	Max: >1
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

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>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

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>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location All valid standard codes are used.				
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

REF Reference Identification

Pos: 110	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

PER Administrative Communications Contact

Pos: 120	Max: >1
Heading - Optional	
Loop: N1	Elements: 9

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

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>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.				
PER02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER04	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER06	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER07	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER08	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER09	443	Contact Inquiry Reference	O	AN	1/20	Used
		Description: Additional reference number or description to clarify a contact number				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

RDM Remittance Delivery Method

Pos: 130	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

User Option (Usage): Used

Purpose: To identify remittance delivery when remittance is separate from payment

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>
RDM01	756	Report Transmission Code	M	ID	1/2	Must use
		Description: Code defining timing, transmission method or format by which reports are to be sent				
		All valid standard codes are used.				
RDM02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
RDM03	364	Communication Number	O	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
RDM04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
RDM05	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		specified by the Reference Qualifier				
128		Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
127		Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
128		Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
127		Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
128		Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
127		Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Comments:

1. RDM02 is used to contain the name of a third party processor if needed, who would be the first recipient of the remittance.
2. RDM03 contains the operative communication number for the delivery method specified in RDM01 (i.e. fax phone number and mail address).
3. RDM04 and RDM05 allow for additional room to convey further routing information beyond what is given in RDM03.

DTM Date/Time Reference

Pos: 140	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
All valid standard codes are used.						
DTM02	373	Date	X	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
DTM03	337	Time	X	TM	4/8	Used
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)						
DTM04	623	Time Code	O	ID	2/2	Used
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						
All valid standard codes are used.						
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
Description: Code indicating the date format, time format, or date and time format						
All valid standard codes are used.						
DTM06	1251	Date Time Period	X	AN	1/35	Used
Description: Expression of a date, a time, or range of dates, times or dates and times						

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Entity

Pos: 010 Repeat: >1
 Optional
 Loop: ENT Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	ENT	Entity	O	1		Used
020		Loop NM1	O		>1	Used
080		Loop ADX	O		>1	Used
150		Loop RMR	O		>1	Used

ENT Entity

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

User Option (Usage): Used

Purpose: To designate the entities which are parties to a transaction and specify a reference meaningful to those 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	O	N0	1/6	Used
		Description: Number assigned for differentiation within a transaction set				
ENT02	98	Entity Identifier Code	X	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.				
ENT03	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.				
ENT04	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
ENT05	98	Entity Identifier Code	X	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.				
ENT06	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.				
ENT07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
ENT08	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
ENT09	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P020304 - If either ENT02, ENT03 or ENT04 are present, then the others are required.
2. P050607 - If either ENT05, ENT06 or ENT07 are present, then the others are required.

3. P0809 - If either ENT08 or ENT09 is present, then the other is 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.

Loop Individual or Organizational Name

Pos: 020 Repeat: >1
 Optional
 Loop: NM1 Elements: N/A

User Option (Usage): Used

Purpose: To supply the full name of an individual or organizational entity

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
020	NM1	Individual or Organizational Name	O	1		Used
030	N2	Additional Name Information	O	>1		Used
040	N3	Address Information	O	>1		Used
050	N4	Geographic Location	O	1		Used
060	REF	Reference Identification	O	>1		Used
070	PER	Administrative Communications Contact	O	>1		Used

NM1 Individual or Organizational Name

Pos: 020	Max: 1
Detail - Optional	
Loop: NM1	Elements: 11

User Option (Usage): Used

Purpose: To supply the full name of an individual or organizational entity

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>
NM101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				
NM102	1065	Entity Type Qualifier	M	ID	1/1	Must use
		Description: Code qualifying the type of entity				
		All valid standard codes are used.				
NM103	1035	Name Last or Organization Name	O	AN	1/35	Used
		Description: Individual last name or organizational name				
NM104	1036	Name First	O	AN	1/25	Used
		Description: Individual first name				
NM105	1037	Name Middle	O	AN	1/25	Used
		Description: Individual middle name or initial				
NM106	1038	Name Prefix	O	AN	1/10	Used
		Description: Prefix to individual name				
NM107	1039	Name Suffix	O	AN	1/10	Used
		Description: Suffix to individual name				
NM108	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used.				
NM109	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
NM110	706	Entity Relationship Code	X	ID	2/2	Used
		Description: Code describing entity relationship				
		All valid standard codes are used.				
NM111	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Syntax Rules:

1. P0809 - If either NM108 or NM109 is present, then the other is required.
2. C1110 - If NM111 is present, then NM110 is required.

Semantics:

1. NM102 qualifies NM103.

Comments:

1. NM110 and NM111 further define the type of entity in NM101.

N2 Additional Name Information

Pos: 030	Max: >1
Detail - Optional	
Loop: NM1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

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>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

N3 Address Information

Pos: 040	Max: >1
Detail - Optional	
Loop: NM1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

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>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 050	Max: 1
Detail - Optional	
Loop: NM1	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

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>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location All valid standard codes are used.				
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

REF Reference Identification

Pos: 060	Max: >1
Detail - Optional	
Loop: NM1	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

PER Administrative Communications Contact

Pos: 070	Max: >1
Detail - Optional	
Loop: NM1	Elements: 9

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

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>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.				
PER02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER04	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER06	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER07	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER08	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER09	443	Contact Inquiry Reference	O	AN	1/20	Used
		Description: Additional reference number or description to clarify a contact number				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop Adjustment

Pos: 080 Repeat: >1
 Optional
 Loop: ADX Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
080	ADX	Adjustment	O	1		Used
090	NTE	Note/Special Instruction	O	>1		Used
100	PER	Administrative Communications Contact	O	>1		Used
105	DTM	Date/Time Reference	O	1		Used
110		Loop REF	O		>1	Used
130		Loop IT1	O		>1	Used

ADX Adjustment

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

User Option (Usage): Used

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

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	M	R	1/18	Must use
		Description: Monetary amount				
ADX02	426	Adjustment Reason Code	M	ID	2/2	Must use
		Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment				
		All valid standard codes are used.				
ADX03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		All valid standard codes are used.				
ADX04	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either ADX03 or ADX04 is present, then the other is 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.

NTE Note/Special Instruction

Pos: 090	Max: >1
Detail - Optional	
Loop: ADX	Elements: 2

User Option (Usage): Used

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

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	O	ID	3/3	Used
<p>Description: Code identifying the functional area or purpose for which the note applies All valid standard codes are used.</p>						
NTE02	352	Description	M	AN	1/80	Must use
<p>Description: A free-form description to clarify the related data elements and their content</p>						

Comments:

1. 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.

PER Administrative Communications Contact

Pos: 100	Max: >1
Detail - Optional	
Loop: ADX	Elements: 9

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

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>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.				
PER02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER04	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER06	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER07	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER08	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER09	443	Contact Inquiry Reference	O	AN	1/20	Used
		Description: Additional reference number or description to clarify a contact number				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

DTM Date/Time Reference

Pos: 105	Max: 1
Detail - Optional	
Loop: ADX	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Reference Identification

Pos: 110 Repeat: >1
 Optional
 Loop: REF Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
110	REF	Reference Identification	O	1		Used
120	DTM	Date/Time Reference	O	>1		Used

REF Reference Identification

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

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 120	Max: >1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Baseline Item Data (Invoice)

Pos: 130	Repeat: >1
Optional	
Loop: IT1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
130	IT1	Baseline Item Data (Invoice)	O	1		Used
140		Loop REF	O		>1	Used
142		Loop SAC	O		>1	Used
144		Loop SLN	O		>1	Used

IT1 Baseline Item Data (Invoice)

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

User Option (Usage): Used

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

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	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
IT102	358	Quantity Invoiced	X	R	1/10	Used
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
IT104	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
IT105	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				
		All valid standard codes are used.				
IT106	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT107	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT109	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT110	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT111	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT112	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT113	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT114	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT115	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT116	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT117	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT118	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT119	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT120	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT121	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT122	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT123	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT124	235	Product/Service ID Qualifier	X	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) All valid standard codes are used.				
IT125	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is 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., U.P.C. No., ISBN No., Model No., or SKU.

Loop Reference Identification

Pos: 140	Repeat: >1
Optional	
Loop: REF	Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
140	REF	Reference Identification	O	1		Used
141	DTM	Date/Time Reference	O	1		Used

REF Reference Identification

Pos: 140	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 141	Max: 1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 142 Repeat: >1
 Optional
 Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
142	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
143	TXI	Tax Information	O	>1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 142	Max: 1
Detail - Optional	
Loop: SAC	Elements: 16

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
Description: Code which indicates an allowance or charge for the service specified All valid standard codes are used.						
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
Description: Code identifying the service, promotion, allowance, or charge All valid standard codes are used.						
SAC03	559	Agency Qualifier Code	X	ID	2/2	Used
Description: Code identifying the agency assigning the code values All valid standard codes are used.						
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Used
Description: Agency maintained code identifying the service, promotion, allowance, or charge						
SAC05	610	Amount	O	N2	1/15	Used
Description: Monetary amount						
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
Description: Code indicating on what basis allowance or charge percent is calculated All valid standard codes are used.						
SAC07	332	Percent	X	R	1/6	Used
Description: Percent expressed as a percent						
SAC08	118	Rate	O	R	1/9	Used
Description: Rate expressed in the standard monetary denomination for the currency specified						
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.						
SAC10	380	Quantity	X	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>
		Description: Numeric value of quantity				
SAC11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge All valid standard codes are used.				
SAC13	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	Option Number	O	AN	1/20	Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
SAC16	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

TXI Tax Information

Pos: 143	Max: >1
Detail - Optional	
Loop: SAC	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax All valid standard codes are used.				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used.				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax All valid standard codes are used.				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Subline Item Detail

Pos: 144 Repeat: >1
 Optional
 Loop: SLN Elements: N/A

User Option (Usage): Used

Purpose: To specify product subline detail item data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
144	SLN	Subline Item Detail	O	1		Used
145		Loop REF	O		>1	Used
147		Loop SAC	O		>1	Used

SLN Subline Item Detail

Pos: 144 Max: 1
 Detail - Optional
 Loop: SLN Elements: 28

User Option (Usage): Used

Purpose: To specify product subline detail item data

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>
SLN01	350	Assigned Identification	M	AN	1/20	Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SLN02	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SLN03	662	Relationship Code	M	ID	1/1	Must use
		Description: Code indicating the relationship between entities All valid standard codes are used.				
SLN04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SLN05	C001	Composite Unit of Measure	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
SLN06	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
SLN07	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item All valid standard codes are used.				
SLN08	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
SLN09	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN10	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN11	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN12	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN13	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN14	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN15	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN16	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN17	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN18	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN19	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN20	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN21	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN22	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN23	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Product/Service ID (234) All valid standard codes are used.				
SLN24	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN25	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN26	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN27	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN28	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color,

Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Loop Reference Identification

Pos: 145 Repeat: >1
 Optional
 Loop: REF Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
145	REF	Reference Identification	O	1		Used
146	DTM	Date/Time Reference	O	>1		Used

REF Reference Identification

Pos: 145	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 146	Max: >1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 147 Repeat: >1
 Optional
 Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
147	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
148	TXI	Tax Information	O	>1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 147	Max: 1
Detail - Optional	
Loop: SAC	Elements: 16

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
		Description: Code which indicates an allowance or charge for the service specified All valid standard codes are used.				
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
		Description: Code identifying the service, promotion, allowance, or charge All valid standard codes are used.				
SAC03	559	Agency Qualifier Code	X	ID	2/2	Used
		Description: Code identifying the agency assigning the code values All valid standard codes are used.				
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Used
		Description: Agency maintained code identifying the service, promotion, allowance, or charge				
SAC05	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
		Description: Code indicating on what basis allowance or charge percent is calculated All valid standard codes are used.				
SAC07	332	Percent	X	R	1/6	Used
		Description: Percent expressed as a percent				
SAC08	118	Rate	O	R	1/9	Used
		Description: Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
SAC10	380	Quantity	X	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>
		Description: Numeric value of quantity				
SAC11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge All valid standard codes are used.				
SAC13	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	Option Number	O	AN	1/20	Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
SAC16	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

TXI Tax Information

Pos: 148	Max: >1
Detail - Optional	
Loop: SAC	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax All valid standard codes are used.				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used.				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax All valid standard codes are used.				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Remittance Advice Accounts Receivable Open Item Reference

Pos: 150 Repeat: >1
 Optional
 Loop: RMR Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		Used
160	NTE	Note/Special Instruction	O	>1		Used
170	REF	Reference Identification	O	>1		Used
180	DTM	Date/Time Reference	O	>1		Used
190		Loop IT1	O		>1	Used
210		Loop ADX	O		>1	Used

RMR Remittance Advice Accounts Receivable Open Item Reference

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

User Option (Usage): Used

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

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	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
RMR02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
RMR03	482	Payment Action Code	O	ID	2/2	Used
		Description: Code specifying the accounts receivable open item(s), if any, to be included in the cash application. All valid standard codes are used.				
RMR04	782	Monetary Amount	O	R	1/18	Used
		Description: Monetary amount				
RMR05	782	Monetary Amount	O	R	1/18	Used
		Description: Monetary amount				
RMR06	782	Monetary Amount	O	R	1/18	Used
		Description: Monetary amount				
RMR07	426	Adjustment Reason Code	X	ID	2/2	Used
		Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment All valid standard codes are used.				
RMR08	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				

Syntax Rules:

1. P0102 - If either RMR01 or RMR02 is present, then the other is required.
2. P0708 - If either RMR07 or RMR08 is present, then the other is 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.

NTE Note/Special Instruction

Pos: 160	Max: >1
Detail - Optional	
Loop: RMR	Elements: 2

User Option (Usage): Used

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

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	O	ID	3/3	Used
<p>Description: Code identifying the functional area or purpose for which the note applies All valid standard codes are used.</p>						
NTE02	352	Description	M	AN	1/80	Must use
<p>Description: A free-form description to clarify the related data elements and their content</p>						

Comments:

1. 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.

REF Reference Identification

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

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 180	Max: >1
Detail - Optional	
Loop: RMR	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time All valid standard codes are used.</p>						
DTM02	373	Date	X	DT	8/8	Used
<p>Description: Date expressed as CCYYMMDD</p>						
DTM03	337	Time	X	TM	4/8	Used
<p>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)</p>						
DTM04	623	Time Code	O	ID	2/2	Used
<p>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 All valid standard codes are used.</p>						
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
<p>Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.</p>						
DTM06	1251	Date Time Period	X	AN	1/35	Used
<p>Description: Expression of a date, a time, or range of dates, times or dates and times</p>						

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Baseline Item Data (Invoice)

Pos: 190	Repeat: >1
Optional	
Loop: IT1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
190	IT1	Baseline Item Data (Invoice)	O	1		Used
200		Loop REF	O		>1	Used
202		Loop SAC	O		>1	Used
204		Loop SLN	O		>1	Used

IT1 Baseline Item Data (Invoice)

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

User Option (Usage): Used

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

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	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
IT102	358	Quantity Invoiced	X	R	1/10	Used
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
IT104	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
IT105	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				
		All valid standard codes are used.				
IT106	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT107	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT109	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT110	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT111	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT112	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT113	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT114	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT115	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT116	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT117	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT118	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT119	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT120	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT121	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT122	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT123	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT124	235	Product/Service ID Qualifier	X	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) All valid standard codes are used.				
IT125	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is 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., U.P.C. No., ISBN No., Model No., or SKU.

Loop Reference Identification

Pos: 200 Repeat: >1
 Optional
 Loop: REF Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
200	REF	Reference Identification	O	1		Used
201	DTM	Date/Time Reference	O	1		Used

REF Reference Identification

Pos: 200	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 201	Max: 1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 202 Repeat: >1
 Optional
 Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
202	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
203	TXI	Tax Information	O	>1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 202	Max: 1
Detail - Optional	
Loop: SAC	Elements: 16

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
		Description: Code which indicates an allowance or charge for the service specified All valid standard codes are used.				
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
		Description: Code identifying the service, promotion, allowance, or charge All valid standard codes are used.				
SAC03	559	Agency Qualifier Code	X	ID	2/2	Used
		Description: Code identifying the agency assigning the code values All valid standard codes are used.				
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Used
		Description: Agency maintained code identifying the service, promotion, allowance, or charge				
SAC05	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
		Description: Code indicating on what basis allowance or charge percent is calculated All valid standard codes are used.				
SAC07	332	Percent	X	R	1/6	Used
		Description: Percent expressed as a percent				
SAC08	118	Rate	O	R	1/9	Used
		Description: Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
SAC10	380	Quantity	X	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>
		Description: Numeric value of quantity				
SAC11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge All valid standard codes are used.				
SAC13	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	Option Number	O	AN	1/20	Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
SAC16	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

TXI Tax Information

Pos: 203	Max: >1
Detail - Optional	
Loop: SAC	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax All valid standard codes are used.				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used.				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax All valid standard codes are used.				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Subline Item Detail

Pos: 204 Repeat: >1
 Optional
 Loop: SLN Elements: N/A

User Option (Usage): Used

Purpose: To specify product subline detail item data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
204	SLN	Subline Item Detail	O	1		Used
205		Loop REF	O		>1	Used
207		Loop SAC	O		>1	Used

SLN Subline Item Detail

Pos: 204 Max: 1
 Detail - Optional
 Loop: SLN Elements: 28

User Option (Usage): Used

Purpose: To specify product subline detail item data

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>
SLN01	350	Assigned Identification	M	AN	1/20	Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SLN02	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SLN03	662	Relationship Code	M	ID	1/1	Must use
		Description: Code indicating the relationship between entities All valid standard codes are used.				
SLN04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SLN05	C001	Composite Unit of Measure	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		which a measurement has been taken All valid standard codes are used.				
	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Used
	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	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 All valid standard codes are used.	O	ID	2/2	Used
	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Used
	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	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 All valid standard codes are used.	O	ID	2/2	Used
	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Used
	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
SLN06	212	Unit Price Description: Price per unit of product, service, commodity, etc.	X	R	1/17	Used
SLN07	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item All valid standard codes are used.	O	ID	2/2	Used
SLN08	662	Relationship Code Description: Code indicating the relationship between entities All valid standard codes are used.	O	ID	1/1	Used
SLN09	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.	X	ID	2/2	Used
SLN10	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN11	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN12	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN13	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN14	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN15	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN16	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN17	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN18	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN19	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN20	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN21	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN22	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN23	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Product/Service ID (234) All valid standard codes are used.				
SLN24	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN25	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN26	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN27	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN28	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color,

Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Loop Reference Identification

Pos: 205	Repeat: >1
Optional	
Loop: REF	Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
205	REF	Reference Identification	O	1		Used
206	DTM	Date/Time Reference	O	>1		Used

REF Reference Identification

Pos: 205	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 206	Max: >1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 207 Repeat: >1
 Optional
 Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
207	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
208	TXI	Tax Information	O	>1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 207	Max: 1
Detail - Optional	
Loop: SAC	Elements: 16

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
Description: Code which indicates an allowance or charge for the service specified All valid standard codes are used.						
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
Description: Code identifying the service, promotion, allowance, or charge All valid standard codes are used.						
SAC03	559	Agency Qualifier Code	X	ID	2/2	Used
Description: Code identifying the agency assigning the code values All valid standard codes are used.						
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Used
Description: Agency maintained code identifying the service, promotion, allowance, or charge						
SAC05	610	Amount	O	N2	1/15	Used
Description: Monetary amount						
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
Description: Code indicating on what basis allowance or charge percent is calculated All valid standard codes are used.						
SAC07	332	Percent	X	R	1/6	Used
Description: Percent expressed as a percent						
SAC08	118	Rate	O	R	1/9	Used
Description: Rate expressed in the standard monetary denomination for the currency specified						
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.						
SAC10	380	Quantity	X	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>
		Description: Numeric value of quantity				
SAC11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge All valid standard codes are used.				
SAC13	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	Option Number	O	AN	1/20	Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
SAC16	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

TXI Tax Information

Pos: 208	Max: >1
Detail - Optional	
Loop: SAC	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax All valid standard codes are used.				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used.				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax All valid standard codes are used.				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Adjustment

Pos: 210 Repeat: >1
 Optional
 Loop: ADX Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
210	ADX	Adjustment	O	1		Used
220	NTE	Note/Special Instruction	O	>1		Used
230	PER	Administrative Communications Contact	O	>1		Used
240		Loop REF	O		>1	Used
260		Loop IT1	O		>1	Used

ADX Adjustment

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

User Option (Usage): Used

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

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	M	R	1/18	Must use
		Description: Monetary amount				
ADX02	426	Adjustment Reason Code	M	ID	2/2	Must use
		Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment				
		All valid standard codes are used.				
ADX03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		All valid standard codes are used.				
ADX04	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either ADX03 or ADX04 is present, then the other is 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.

NTE Note/Special Instruction

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

User Option (Usage): Used

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

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	O	ID	3/3	Used
		Description: Code identifying the functional area or purpose for which the note applies All valid standard codes are used.				
NTE02	352	Description	M	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				

Comments:

1. 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.

PER Administrative Communications Contact

Pos: 230	Max: >1
Detail - Optional	
Loop: ADX	Elements: 9

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

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>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.				
PER02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER04	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER06	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER07	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number All valid standard codes are used.				
PER08	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER09	443	Contact Inquiry Reference	O	AN	1/20	Used
		Description: Additional reference number or description to clarify a contact number				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop Reference Identification

Pos: 240	Repeat: >1
Optional	
Loop: REF	Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
240	REF	Reference Identification	O	1		Used
250	DTM	Date/Time Reference	O	>1		Used

REF Reference Identification

Pos: 240	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 250	Max: >1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Baseline Item Data (Invoice)

Pos: 260	Repeat: >1
Optional	
Loop: IT1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
260	IT1	Baseline Item Data (Invoice)	O	1		Used
270		Loop REF	O		>1	Used
272		Loop SAC	O		>1	Used
274		Loop SLN	O		>1	Used

IT1 Baseline Item Data (Invoice)

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

User Option (Usage): Used

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

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	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
IT102	358	Quantity Invoiced	X	R	1/10	Used
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
IT104	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
IT105	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item				
		All valid standard codes are used.				
IT106	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT107	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT109	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT110	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
IT111	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT112	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT113	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT114	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT115	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT116	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT117	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT118	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT119	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT120	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT121	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT122	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
IT123	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT124	235	Product/Service ID Qualifier	X	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) All valid standard codes are used.				
IT125	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is 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., U.P.C. No., ISBN No., Model No., or SKU.

Loop Reference Identification

Pos: 270	Repeat: >1
Optional	
Loop: REF	Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
270	REF	Reference Identification	O	1		Used
271	DTM	Date/Time Reference	O	1		Used

REF Reference Identification

Pos: 270	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 271	Max: 1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 272 Repeat: >1
 Optional
 Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
272	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
273	TXI	Tax Information	O	>1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 272	Max: 1
Detail - Optional	
Loop: SAC	Elements: 16

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
		Description: Code which indicates an allowance or charge for the service specified All valid standard codes are used.				
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
		Description: Code identifying the service, promotion, allowance, or charge All valid standard codes are used.				
SAC03	559	Agency Qualifier Code	X	ID	2/2	Used
		Description: Code identifying the agency assigning the code values All valid standard codes are used.				
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Used
		Description: Agency maintained code identifying the service, promotion, allowance, or charge				
SAC05	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
		Description: Code indicating on what basis allowance or charge percent is calculated All valid standard codes are used.				
SAC07	332	Percent	X	R	1/6	Used
		Description: Percent expressed as a percent				
SAC08	118	Rate	O	R	1/9	Used
		Description: Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
SAC10	380	Quantity	X	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>
		Description: Numeric value of quantity				
SAC11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge All valid standard codes are used.				
SAC13	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	Option Number	O	AN	1/20	Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
SAC16	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

TXI Tax Information

Pos: 273	Max: >1
Detail - Optional	
Loop: SAC	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax All valid standard codes are used.				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used.				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax All valid standard codes are used.				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Subline Item Detail

Pos: 274 Repeat: >1
 Optional
 Loop: SLN Elements: N/A

User Option (Usage): Used

Purpose: To specify product subline detail item data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
274	SLN	Subline Item Detail	O	1		Used
275		Loop REF	O		>1	Used
277		Loop SAC	O		>1	Used

SLN Subline Item Detail

Pos: 274 Max: 1
 Detail - Optional
 Loop: SLN Elements: 28

User Option (Usage): Used

Purpose: To specify product subline detail item data

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>
SLN01	350	Assigned Identification	M	AN	1/20	Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SLN02	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SLN03	662	Relationship Code	M	ID	1/1	Must use
		Description: Code indicating the relationship between entities All valid standard codes are used.				
SLN04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SLN05	C001	Composite Unit of Measure	X	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
SLN06	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
SLN07	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item All valid standard codes are used.				
SLN08	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
SLN09	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN10	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN11	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN12	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN13	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN14	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN15	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN16	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN17	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN18	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN19	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN20	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN21	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN22	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN23	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Product/Service ID (234) All valid standard codes are used.				
SLN24	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN25	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN26	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN27	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.				
SLN28	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color,

Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Loop Reference Identification

Pos: 275	Repeat: >1
Optional	
Loop: REF	Elements: N/A

User Option (Usage): Used

Purpose: To specify identifying information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
275	REF	Reference Identification	O	1		Used
276	DTM	Date/Time Reference	O	>1		Used

REF Reference Identification

Pos: 275	Max: 1
Detail - Optional	
Loop: REF	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

DTM Date/Time Reference

Pos: 276	Max: >1
Detail - Optional	
Loop: REF	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 277 Repeat: >1
 Optional
 Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
277	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used
278	TXI	Tax Information	O	>1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 277	Max: 1
Detail - Optional	
Loop: SAC	Elements: 16

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
		Description: Code which indicates an allowance or charge for the service specified All valid standard codes are used.				
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
		Description: Code identifying the service, promotion, allowance, or charge All valid standard codes are used.				
SAC03	559	Agency Qualifier Code	X	ID	2/2	Used
		Description: Code identifying the agency assigning the code values All valid standard codes are used.				
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN	1/10	Used
		Description: Agency maintained code identifying the service, promotion, allowance, or charge				
SAC05	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
		Description: Code indicating on what basis allowance or charge percent is calculated All valid standard codes are used.				
SAC07	332	Percent	X	R	1/6	Used
		Description: Percent expressed as a percent				
SAC08	118	Rate	O	R	1/9	Used
		Description: Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
SAC10	380	Quantity	X	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>
		Description: Numeric value of quantity				
SAC11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
		Description: Code indicating method of handling for an allowance or charge All valid standard codes are used.				
SAC13	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SAC14	770	Option Number	O	AN	1/20	Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				
SAC15	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
SAC16	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

TXI Tax Information

Pos: 278	Max: >1
Detail - Optional	
Loop: SAC	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax All valid standard codes are used.				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used.				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax All valid standard codes are used.				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Tax Payment

Pos: 280 Repeat: >1
 Optional
 Loop: TXP Elements: N/A

User Option (Usage): Used

Purpose: To identify tax payment data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
280	TXP	Tax Payment	O	1		Used
285	TXI	Tax Information	O	>1		Used

TXP Tax Payment

Pos: 280	Max: 1
Detail - Optional	
Loop: TXP	Elements: 10

User Option (Usage): Used

Purpose: To identify tax payment data

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>
TXP01	325	Tax Identification Number	M	AN	1/20	Must use
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXP02	1049	Tax Payment Type Code	M	ID	1/5	Must use
		Description: Code identifying type of tax being paid				
TXP03	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
TXP04	817	Tax Information Identification Number	M	AN	1/30	Must use
		Description: Identifying number for Tax Information Field				
TXP05	1051	Tax Amount	M	N2	1/10	Must use
		Description: Amount of tax				
TXP06	817	Tax Information Identification Number	X	AN	1/30	Used
		Description: Identifying number for Tax Information Field				
TXP07	1051	Tax Amount	X	N2	1/10	Used
		Description: Amount of tax				
TXP08	817	Tax Information Identification Number	X	AN	1/30	Used
		Description: Identifying number for Tax Information Field				
TXP09	1051	Tax Amount	X	N2	1/10	Used
		Description: Amount of tax				
TXP10	1050	Taxpayer Verification	O	AN	1/6	Used
		Description: The taxpayer verification field may be used by the receiver to verify the taxpayer's identity				

Syntax Rules:

1. P0607 - If either TXP06 or TXP07 is present, then the other is required.
2. P0809 - If either TXP08 or TXP09 is present, then the other is required.

Comments:

1. The tax type code TXP02 is a code from a code list maintained by the Federation of Tax Administrators (FTA).

TXI Tax Information

Pos: 285	Max: >1
Detail - Optional	
Loop: TXP	Elements: 10

User Option (Usage): Used

Purpose: To specify tax information

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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of tax All valid standard codes are used.				
TXI02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
TXI03	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used.				
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used
		Description: Code identifying the taxing jurisdiction				
TXI06	441	Tax Exempt Code	X	ID	1/1	Used
		Description: Code identifying exemption status from sales and use tax All valid standard codes are used.				
TXI07	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
TXI08	828	Dollar Basis For Percent	O	R	1/9	Used
		Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax				
TXI09	325	Tax Identification Number	O	AN	1/20	Used
		Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number				
TXI10	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Loop Deductions

Pos: 287	Repeat: >1
Optional	
Loop: DED	Elements: N/A

User Option (Usage): Used

Purpose: To specify payment related information for child support payment deductions

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
287	DED	Deductions	O	1		Used

DED Deductions

Pos: 287	Max: 1
Detail - Optional	
Loop: DED	Elements: 9

User Option (Usage): Used

Purpose: To specify payment related information for child support payment deductions

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>
DED01	1511	Type of Deduction	M	ID	2/2	Must use
		Description: Code specifying type of deduction being withheld from an employee's pay All valid standard codes are used.				
DED02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
DED03	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
DED04	610	Amount	M	N2	1/15	Must use
		Description: Monetary amount				
DED05	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
DED06	1073	Yes/No Condition or Response Code	M	ID	1/1	Must use
		Description: Code indicating a Yes or No condition or response All valid standard codes are used.				
DED07	93	Name	O	AN	1/60	Used
		Description: Free-form name				
DED08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
DED09	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response All valid standard codes are used.				

Semantics:

1. DED01 is the type of deduction.
2. DED02 is the code indicating the case identifier.
3. DED03 is the pay date.
4. DED04 is the payment amount.
5. DED05 is the social security number of the absent parent.
6. DED06 indicates if the obligor has family medical insurance coverage available through their employer. A "Y" indicates medical coverage is available. An "N" indicates there is no coverage. A "W" indicates that the

disposition of medical insurance is not applicable to the deduction.

7. DED07 is the name of the absent parent. The absent parent's name contains the first seven letters of the obligor's last name followed by the first three letters of the obligor's first name. A comma must be used to separate the last name from the first name of the absent parent when the last name is less than seven characters.
8. DED08 contains the Federal Information Process Standard (FIPS) Code. The FIPS code is 5 characters when indicating both the state and county codes. It is seven characters when indicating state, county and local codes.
9. DED09 identifies to the child support enforcement agency that an individual's employment has terminated. A "Y" is used if the employee has been terminated otherwise the field is not used. DED04 may contain zero if this field is used.

Loop Assigned Number

Pos: 290	Repeat: >1
Optional	
Loop: LX	Elements: N/A

User Option (Usage): Used

Purpose: To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
290	LX	Assigned Number	O	1		Used
295	REF	Reference Identification	O	>1		Used
300	TRN	Trace	O	>1		Used
305		Loop NM1	O		>1	Used

LX Assigned Number

Pos: 290	Max: 1
Detail - Optional	
Loop: LX	Elements: 1

User Option (Usage): Used

Purpose: To reference a line number in a 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>
LX01	554	Assigned Number	M	N0	1/6	Must use

Description: Number assigned for differentiation within a transaction set

REF Reference Identification

Pos: 295	Max: >1
Detail - Optional	
Loop: LX	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

TRN Trace

Pos: 300	Max: >1
Detail - Optional	
Loop: LX	Elements: 4

User Option (Usage): Used

Purpose: To uniquely identify a transaction to an application

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	M	ID	1/2	Must use

Description: Code identifying which transaction is being referenced

All valid standard codes are used.

TRN02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

TRN03	509	Originating Company Identifier	O	AN	10/10	Used
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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

TRN04	127	Reference Identification	O	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Semantics:

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

Loop Individual or Organizational Name

Pos: 305 Repeat: >1
 Optional
 Loop: NM1 Elements: N/A

User Option (Usage): Used

Purpose: To supply the full name of an individual or organizational entity

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
305	NM1	Individual or Organizational Name	O	1		Used
310	REF	Reference Identification	O	>1		Used
315	G53	Maintenance Type	O	1		Used
320		Loop AIN	O		>1	Used
335		Loop PEN	O		>1	Used

NM1 Individual or Organizational Name

Pos: 305	Max: 1
Detail - Optional	
Loop: NM1	Elements: 11

User Option (Usage): Used

Purpose: To supply the full name of an individual or organizational entity

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>
NM101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				
NM102	1065	Entity Type Qualifier	M	ID	1/1	Must use
		Description: Code qualifying the type of entity				
		All valid standard codes are used.				
NM103	1035	Name Last or Organization Name	O	AN	1/35	Used
		Description: Individual last name or organizational name				
NM104	1036	Name First	O	AN	1/25	Used
		Description: Individual first name				
NM105	1037	Name Middle	O	AN	1/25	Used
		Description: Individual middle name or initial				
NM106	1038	Name Prefix	O	AN	1/10	Used
		Description: Prefix to individual name				
NM107	1039	Name Suffix	O	AN	1/10	Used
		Description: Suffix to individual name				
NM108	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used.				
NM109	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
NM110	706	Entity Relationship Code	X	ID	2/2	Used
		Description: Code describing entity relationship				
		All valid standard codes are used.				
NM111	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Syntax Rules:

1. P0809 - If either NM108 or NM109 is present, then the other is required.
2. C1110 - If NM111 is present, then NM110 is required.

Semantics:

1. NM102 qualifies NM103.

Comments:

1. NM110 and NM111 further define the type of entity in NM101.

REF Reference Identification

Pos: 310	Max: >1
Detail - Optional	
Loop: NM1	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

G53 Maintenance Type

Pos: 315	Max: 1
Detail - Optional	
Loop: NM1	Elements: 1

User Option (Usage): Used

Purpose: To identify the specific type of item maintenance

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>
G5301	875	Maintenance Type Code	M	ID	3/3	Must use

Description: Code identifying the specific type of item maintenance

All valid standard codes are used.

Loop Income

Pos: 320	Repeat: >1
Optional	
Loop: AIN	Elements: N/A

User Option (Usage): Used

Purpose: To provide type and amount of income obtained

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
320	AIN	Income	O	1		Used
325	QTY	Quantity	O	>1		Used
330	DTP	Date or Time or Period	O	>1		Used

AIN Income

Pos: 320	Max: 1
Detail - Optional	
Loop: AIN	Elements: 12

User Option (Usage): Used

Purpose: To provide type and amount of income obtained

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>
AIN01	1186	Type of Income Code	M	ID	2/2	Must use
		Description: Code defining the nature or source of income All valid standard codes are used.				
AIN02	594	Frequency Code	M	ID	1/1	Must use
		Description: Code indicating frequency or type of payment All valid standard codes are used.				
AIN03	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				
AIN04	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
AIN05	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response All valid standard codes are used.				
AIN06	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
AIN07	522	Amount Qualifier Code	O	ID	1/3	Used
		Description: Code to qualify amount All valid standard codes are used.				
AIN08	1685	Tax Treatment Code	O	ID	1/1	Used
		Description: Code specifying whether a deduction should have pre- or post-tax status All valid standard codes are used.				
AIN09	1687	Earnings Rate of Pay	X	R	1/15	Used
		Description: To specify rate of pay				
AIN10	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
AIN11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AIN12	1271	Industry Code	O	AN	1/30	Used

Description: Code indicating a code from a specific industry code list

Syntax Rules:

1. P0910 - If either AIN09 or AIN10 is present, then the other is required.

Semantics:

1. AIN01 defines the nature or source of income earned.
2. AIN02 defines the periodicity of the income amount.
3. AIN03 defines amount of income.
4. AIN04 specifies number of scheduled periods or year of income receipt.
5. AIN05 defines if the income will likely continue. A "Y" indicates the income is expected to continue; an "N" indicates the income is not expected to continue.
6. AIN06 is used to identify an internal control number.
7. AIN07 indicates the income being identified in this segment is a net amount, a gross amount, or other amount.
8. AIN08 identifies the tax status or treatment of the amount specified in AIN03.
9. AIN11 identifies the number of hours at which the rate specified in AIN09 applies.
10. AIN12 identifies the American Payroll Association Code to be used to identify the specific income type for payroll payments.

QTY Quantity

Pos: 325	Max: >1
Detail - Optional	
Loop: AIN	Elements: 4

User Option (Usage): Used

Purpose: To specify quantity information

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>
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use
		Description: Code specifying the type of quantity All valid standard codes are used.				
QTY02	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
QTY03	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	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: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
QTY04	61	Free-Form Message	X	AN	1/30	Used
		Description: Free-form information				

Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

Semantics:

1. QTY04 is used when the quantity is non-numeric.

DTP Date or Time or Period

Pos: 330	Max: >1
Detail - Optional	
Loop: AIN	Elements: 3

User Option (Usage): Used

Purpose: To specify any or all of a date, a time, or a time period

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>
DTP01	374	Date/Time Qualifier	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time All valid standard codes are used.</p>						
DTP02	1250	Date Time Period Format Qualifier	M	ID	2/3	Must use
<p>Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.</p>						
DTP03	1251	Date Time Period	M	AN	1/35	Must use
<p>Description: Expression of a date, a time, or range of dates, times or dates and times</p>						

Semantics:

1. DTP02 is the date or time or period format that will appear in DTP03.

Loop Pension Information

Pos: 335 Repeat: >1
 Optional
 Loop: PEN Elements: N/A

User Option (Usage): Used

Purpose: To specify financial activity for a pension plan

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
335	PEN	Pension Information	O	1		Used
340	AMT	Monetary Amount	O	>1		Used
345	DTP	Date or Time or Period	O	>1		Used
350		Loop INV	O		>1	Used

PEN Pension Information

Pos: 335	Max: 1
Detail - Optional	
Loop: PEN	Elements: 9

User Option (Usage): Used

Purpose: To specify financial activity for a pension plan

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>
PEN01	640	Transaction Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of transaction All valid standard codes are used.				
PEN02	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
PEN03	1224	Contribution Code	O	ID	2/2	Used
		Description: Code indicating the category of contribution All valid standard codes are used.				
PEN04	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
PEN05	1296	Special Processing Type	O	AN	1/6	Used
		Description: Type of special processing that is required				
PEN06	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
PEN07	1470	Number	O	N0	1/9	Used
		Description: A generic number				
PEN08	1262	Loan Type Code	O	ID	1/2	Used
		Description: This code identifies the loan program or type All valid standard codes are used.				
PEN09	875	Maintenance Type Code	O	ID	3/3	Used
		Description: Code identifying the specific type of item maintenance All valid standard codes are used.				

Syntax Rules:

1. R0204 - At least one of PEN02 or PEN04 is required.

Semantics:

1. PEN02 is the total dollar amount for the transaction identified by the transaction type code.
2. PEN04 is the percent of salary an employee elected to contribute to a benefit plan.
3. PEN05 is a code, defined by trading partners, indicating special application processing.
4. PEN06 is the loan identification number.

5. PEN07 is the number of loan repayments represented.

AMT Monetary Amount

Pos: 340	Max: >1
Detail - Optional	
Loop: PEN	Elements: 3

User Option (Usage): Used

Purpose: To indicate the total monetary amount

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>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use
		Description: Code to qualify amount All valid standard codes are used.				
AMT02	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				
AMT03	478	Credit/Debit Flag Code	O	ID	1/1	Used
		Description: Code indicating whether amount is a credit or debit All valid standard codes are used.				

DTP Date or Time or Period

Pos: 345	Max: >1
Detail - Optional	
Loop: PEN	Elements: 3

User Option (Usage): Used

Purpose: To specify any or all of a date, a time, or a time period

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>
DTP01	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
All valid standard codes are used.						
DTP02	1250	Date Time Period Format Qualifier	M	ID	2/3	Must use
Description: Code indicating the date format, time format, or date and time format						
All valid standard codes are used.						
DTP03	1251	Date Time Period	M	AN	1/35	Must use
Description: Expression of a date, a time, or range of dates, times or dates and times						

Semantics:

1. DTP02 is the date or time or period format that will appear in DTP03.

Loop Investment Vehicle Selection

Pos: 350	Repeat: >1
Optional	
Loop: INV	Elements: N/A

User Option (Usage): Used

Purpose: To specify type of investment vehicle or account and other basic data about the investment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
350	INV	Investment Vehicle Selection	O	1		Used
355	DTP	Date or Time or Period	O	>1		Used

INV Investment Vehicle Selection

Pos: 350	Max: 1
Detail - Optional	
Loop: INV	Elements: 7

User Option (Usage): Used

Purpose: To specify type of investment vehicle or account and other basic data about the investment

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>
INV01	352	Description	M	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				
INV02	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				
INV03	782	Monetary Amount	X	R	1/18	Used
		Description: Monetary amount				
INV04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
INV05	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
INV06	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
INV07	782	Monetary Amount	O	R	1/18	Used
		Description: Monetary amount				

Syntax Rules:

1. E020304 - Only one of INV02, INV03 or INV04 may be present.

Semantics:

1. INV01 is the investment fund description of the "receiving" or "to" investment fund.
2. INV02 is the percent of contribution amount to be deposited into the investment fund described in INV01.
3. INV03 is the dollar amount to be deposited into the investment fund described in INV01.
4. INV04 is the number of units or shares to be invested in the investment fund described in INV01.
5. INV05 is the state of sale for the investment fund described in INV01.
6. INV06 is the "originating" or "from" investment fund description for an interfund transfer.
7. INV07 is the current balance of the investment fund described in INV01.

DTP Date or Time or Period

Pos: 355	Max: >1
Detail - Optional	
Loop: INV	Elements: 3

User Option (Usage): Used

Purpose: To specify any or all of a date, a time, or a time period

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>
DTP01	374	Date/Time Qualifier	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time All valid standard codes are used.</p>						
DTP02	1250	Date Time Period Format Qualifier	M	ID	2/3	Must use
<p>Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.</p>						
DTP03	1251	Date Time Period	M	AN	1/35	Must use
<p>Description: Expression of a date, a time, or range of dates, times or dates and times</p>						

Semantics:

1. DTP02 is the date or time or period format that will appear in DTP03.

Loop Reference Identification

Pos: 360	Repeat: 1
Optional	
Loop: N9	Elements: N/A

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
360	N9	Reference Identification	O	1		Used
370		Loop AMT	O		>1	Used
390		Loop N1	O		>1	Used

N9 Reference Identification

Pos: 360	Max: 1
Detail - Optional	
Loop: N9	Elements: 7

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
N902	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
N905	337	Time	X	TM	4/8	Used
		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)				
N906	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
N907	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are 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	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
128		Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
127		Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Loop Monetary Amount

Pos: 370 Repeat: >1
 Optional
 Loop: AMT Elements: N/A

User Option (Usage): Used

Purpose: To indicate the total monetary amount

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
370	AMT	Monetary Amount	O	1		Used
380	REF	Reference Identification	O	>1		Used

AMT Monetary Amount

Pos: 370	Max: 1
Detail - Optional	
Loop: AMT	Elements: 3

User Option (Usage): Used

Purpose: To indicate the total monetary amount

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>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use
		Description: Code to qualify amount All valid standard codes are used.				
AMT02	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				
AMT03	478	Credit/Debit Flag Code	O	ID	1/1	Used
		Description: Code indicating whether amount is a credit or debit All valid standard codes are used.				

REF Reference Identification

Pos: 380	Max: >1
Detail - Optional	
Loop: AMT	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

Loop Name

Pos: 390 Repeat: >1
 Optional
 Loop: N1 Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
390	N1	Name	O	1		Used
400	REF	Reference Identification	O	>1		Used
410		Loop EMS	O		>1	Used

N1 Name

Pos: 390	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

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

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	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used.				
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
N105	706	Entity Relationship Code	O	ID	2/2	Used
		Description: Code describing entity relationship				
		All valid standard codes are used.				
N106	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				

Syntax Rules:

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

REF Reference Identification

Pos: 400	Max: >1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify identifying information

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	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
REF02	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
REF03	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
REF04	C040	Reference Identifier	O	Comp		Used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

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

Semantics:

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

Loop Employment Position

Pos: 410 Repeat: >1
 Optional
 Loop: EMS Elements: N/A

User Option (Usage): Used

Purpose: To describe employment position

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
410	EMS	Employment Position	O	1		Used
420	ATN	Attendance	O	>1		Used
430	AIN	Income	O	>1		Used
440	PYD	Payroll Deduction	O	>1		Used

EMS Employment Position

Pos: 410	Max: 1
Detail - Optional	
Loop: EMS	Elements: 7

User Option (Usage): Used

Purpose: To describe employment position

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>
EMS01	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
EMS02	1176	Employment Class Code	O	ID	2/3	Used
		Description: Code indicating category of employee All valid standard codes are used.				
EMS03	1149	Occupation Code	O	ID	4/6	Used
		Description: Code identifying the occupation of an individual				
EMS04	584	Employment Status Code	O	ID	2/2	Used
		Description: Code showing the general employment status of an employee/claimant All valid standard codes are used.				
EMS05	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
EMS06	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
EMS07	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0506 - If either EMS05 or EMS06 is present, then the other is required.

Semantics:

1. EMS01 describes the employee's title or position in text.
2. EMS02 defines the employment position relationship.
3. EMS03 defines the occupation category.
4. EMS04 defines the status of employment.
5. EMS05 identifies EMS06 as pay grade.
6. EMS06 defines pay grade for employee, if available.

ATN Attendance

Pos: 420	Max: >1
Detail - Optional	
Loop: EMS	Elements: 6

User Option (Usage): Used

Purpose: To specify attendance information

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>
ATN01	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
ATN02	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
ATN03	673	Quantity Qualifier	O	ID	2/2	Used
		Description: Code specifying the type of quantity				
		All valid standard codes are used.				
ATN04	594	Frequency Code	O	ID	1/1	Used
		Description: Code indicating frequency or type of payment				
		All valid standard codes are used.				
ATN05	1684	Attendance Type Code	O	ID	1/4	Used
		Description: Code specifying the type of attendance information being reported				
ATN06	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Semantics:

1. ATN01 is a measure of attendance time.
2. ATN03 identifies the period for which the quantity in ATN01 is being reported.
3. ATN05 identifies the type of attendance for which the quantity in ATN01 is being reported.
4. ATN06 is used to clarify the attendance type describing the quantity being reported in ATN01.

AIN Income

Pos: 430	Max: >1
Detail - Optional	
Loop: EMS	Elements: 12

User Option (Usage): Used

Purpose: To provide type and amount of income obtained

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>
AIN01	1186	Type of Income Code	M	ID	2/2	Must use
		Description: Code defining the nature or source of income All valid standard codes are used.				
AIN02	594	Frequency Code	M	ID	1/1	Must use
		Description: Code indicating frequency or type of payment All valid standard codes are used.				
AIN03	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				
AIN04	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
AIN05	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response All valid standard codes are used.				
AIN06	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
AIN07	522	Amount Qualifier Code	O	ID	1/3	Used
		Description: Code to qualify amount All valid standard codes are used.				
AIN08	1685	Tax Treatment Code	O	ID	1/1	Used
		Description: Code specifying whether a deduction should have pre- or post-tax status All valid standard codes are used.				
AIN09	1687	Earnings Rate of Pay	X	R	1/15	Used
		Description: To specify rate of pay				
AIN10	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
AIN11	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AIN12	1271	Industry Code	O	AN	1/30	Used

Description: Code indicating a code from a specific industry code list

Syntax Rules:

1. P0910 - If either AIN09 or AIN10 is present, then the other is required.

Semantics:

1. AIN01 defines the nature or source of income earned.
2. AIN02 defines the periodicity of the income amount.
3. AIN03 defines amount of income.
4. AIN04 specifies number of scheduled periods or year of income receipt.
5. AIN05 defines if the income will likely continue. A "Y" indicates the income is expected to continue; an "N" indicates the income is not expected to continue.
6. AIN06 is used to identify an internal control number.
7. AIN07 indicates the income being identified in this segment is a net amount, a gross amount, or other amount.
8. AIN08 identifies the tax status or treatment of the amount specified in AIN03.
9. AIN11 identifies the number of hours at which the rate specified in AIN09 applies.
10. AIN12 identifies the American Payroll Association Code to be used to identify the specific income type for payroll payments.

PYD Payroll Deduction

Pos: 440	Max: >1
Detail - Optional	
Loop: EMS	Elements: 5

User Option (Usage): Used

Purpose: To specify payroll deduction information

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>
PYD01	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				
PYD02	594	Frequency Code	O	ID	1/1	Used
		Description: Code indicating frequency or type of payment				
		All valid standard codes are used.				
PYD03	1685	Tax Treatment Code	O	ID	1/1	Used
		Description: Code specifying whether a deduction should have pre- or post-tax status				
		All valid standard codes are used.				
PYD04	1688	Deduction Type Code	O	ID	1/4	Used
		Description: Code indicating the type of deduction being reported				
PYD05	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Semantics:

1. PYD05 is used to clarify the deduction type to which the amount specified in PYD01 applies.

Loop Royalty Payment

Pos: 450	Repeat: >1
Optional	
Loop: RYL	Elements: N/A

User Option (Usage): Used

Purpose: To specify remittance information about royalty payments

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
450	RYL	Royalty Payment	O	1		Used
460		Loop NM1	O		>1	Used

RYL Royalty Payment

Pos: 450	Max: 1
Detail - Optional	
Loop: RYL	Elements: 4

User Option (Usage): Used

Purpose: To specify remittance information about royalty payments

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>
RYL01	554	Assigned Number	M	N0	1/6	Must use
		Description: Number assigned for differentiation within a transaction set				
RYL02	1035	Name Last or Organization Name	O	AN	1/35	Used
		Description: Individual last name or organizational name				
RYL03	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used.				
RYL04	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				

Syntax Rules:

1. P0304 - If either RYL03 or RYL04 is present, then the other is required.

Semantics:

1. RYL01 is a unique identifier of a specific occurrence of the RYL loop.
2. RYL02, RYL03, and RYL04 identify the legal entity paying the royalty.

Comments:

1. This segment is used to group the data for the payer of a royalty.

Loop Individual or Organizational Name

Pos: 460 Repeat: >1
 Optional
 Loop: NM1 Elements: N/A

User Option (Usage): Used

Purpose: To supply the full name of an individual or organizational entity

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
460	NM1	Individual or Organizational Name	O	1		Used
470		Loop LOC	O		>1	Used
540		Loop ASM	O		1	Used

NM1 Individual or Organizational Name

Pos: 460	Max: 1
Detail - Optional	
Loop: NM1	Elements: 11

User Option (Usage): Used

Purpose: To supply the full name of an individual or organizational entity

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>
NM101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				
NM102	1065	Entity Type Qualifier	M	ID	1/1	Must use
		Description: Code qualifying the type of entity				
		All valid standard codes are used.				
NM103	1035	Name Last or Organization Name	O	AN	1/35	Used
		Description: Individual last name or organizational name				
NM104	1036	Name First	O	AN	1/25	Used
		Description: Individual first name				
NM105	1037	Name Middle	O	AN	1/25	Used
		Description: Individual middle name or initial				
NM106	1038	Name Prefix	O	AN	1/10	Used
		Description: Prefix to individual name				
NM107	1039	Name Suffix	O	AN	1/10	Used
		Description: Suffix to individual name				
NM108	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		All valid standard codes are used.				
NM109	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
NM110	706	Entity Relationship Code	X	ID	2/2	Used
		Description: Code describing entity relationship				
		All valid standard codes are used.				
NM111	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		All valid standard codes are used.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Syntax Rules:

1. P0809 - If either NM108 or NM109 is present, then the other is required.
2. C1110 - If NM111 is present, then NM110 is required.

Semantics:

1. NM102 qualifies NM103.

Comments:

1. NM110 and NM111 further define the type of entity in NM101.

Loop Location

Pos: 470 Repeat: >1
 Optional
 Loop: LOC Elements: N/A

User Option (Usage): Used

Purpose: To describe the location in space and time of the axis of an item relative to an origin axis Euclidean geometry has been assumed with orthogonal axes; the sequence of axes has been chosen in the customary sequence of X, Y, and Z, however, it is possible to just use two-dimensional space rather than three-dimensional space

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
470	LOC	Location	O	1		Used
480		Loop PID	O		>1	Used

LOC Location

Pos: 470	Max: 1
Detail - Optional	
Loop: LOC	Elements: 24

User Option (Usage): Used

Purpose: To describe the location in space and time of the axis of an item relative to an origin axis Euclidean geometry has been assumed with orthogonal axes; the sequence of axes has been chosen in the customary sequence of X, Y, and Z, however, it is possible to just use two-dimensional space rather than three-dimensional space

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>
LOC01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
LOC02	127	Reference Identification	M	AN	1/30	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
LOC03	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
LOC04	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
LOC05	729	Category	O	AN	1/6	Used
		Description: An alphanumeric identifier to represent the category to which the item belongs				
LOC06	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
LOC07	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
LOC08	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
LOC09	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
LOC10	739	Measurement Value	X	R	1/20	Used
		Description: The value of the measurement				
LOC11	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	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>
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
LOC12	739	Measurement Value	X	R	1/20	Used
		Description: The value of the measurement				
LOC13	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
LOC14	739	Measurement Value	X	R	1/20	Used
		Description: The value of the measurement				
LOC15	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
LOC16	739	Measurement Value	X	R	1/20	Used
		Description: The value of the measurement				
LOC17	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
LOC18	739	Measurement Value	X	R	1/20	Used
		Description: The value of the measurement				
LOC19	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	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: Value to be used as a multiplier to obtain a new value				
LOC20	739	Measurement Value	X	R	1/20	Used
		Description: The value of the measurement				
LOC21	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	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: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
LOC22	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
LOC23	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
LOC24	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Syntax Rules:

1. P0607 - If either LOC06 or LOC07 is present, then the other is required.
2. C1110 - If LOC11 is present, then LOC10 is required.
3. C1312 - If LOC13 is present, then LOC12 is required.
4. C1514 - If LOC15 is present, then LOC14 is required.
5. C1716 - If LOC17 is present, then LOC16 is required.
6. C1918 - If LOC19 is present, then LOC18 is required.
7. C2120 - If LOC21 is present, then LOC20 is required.
8. P2223 - If either LOC22 or LOC23 is present, then the other is required.

Semantics:

1. LOC01 through LOC03 describe the item.
2. LOC04 is a description of the positional reference point on the item.
3. LOC05 through LOC08 describe the environment in which the item is placed.
4. LOC09 is a description of the positional reference point in the environment. This is the origin of the original axes.
5. LOC10 through LOC15 describe the translation in the three-dimensional space of the axes with respect to the original axes.
6. LOC10 is the principal X axis of the item.
7. LOC10 through LOC14 describe the principal XY plane of the item.
8. LOC16 is measured with respect to the XY plane around the X axis.
9. LOC18 is measured with respect to the YZ plane around the Y axis.
10. LOC20 is measured with respect to the ZX plane around the Z axis.

Comments:

1. It is possible to translate the axis system in zero, one, two, or three axial directions.
2. The temporal measurements would be used, for example, to describe the positions of a robot head. They may be specified as t_1, t_2, \dots or n_1, n_2, \dots etc. Or, they may be specified in time units such as 0, 0.8, 1.6, etc. They may also represent positions where they would be specified as p_1, p_2, \dots etc.
3. All angular positions of an axis vector are measured in a counter-clockwise rotation around the original axis vector, looking from the positive direction of the vector towards the origin. The angular unit is specified by the corresponding unit of measurement, as in LOC17, LOC19, and LOC21.

Loop Product/Item Description

Pos: 480	Repeat: >1
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
480	PID	Product/Item Description	O	1		Used
490	DTM	Date/Time Reference	O	1		Used
500		Loop PCT	O		>1	Used

PID Product/Item Description

Pos: 480	Max: 1
Detail - Optional	
Loop: PID	Elements: 9

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

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>
PID01	349	Item Description Type	M	ID	1/1	Must use
		Description: Code indicating the format of a description All valid standard codes are used.				
PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used
		Description: Code identifying the general class of a product or process characteristic All valid standard codes are used.				
PID03	559	Agency Qualifier Code	X	ID	2/2	Used
		Description: Code identifying the agency assigning the code values All valid standard codes are used.				
PID04	751	Product Description Code	X	AN	1/12	Used
		Description: A code from an industry code list which provides specific data about a product characteristic				
PID05	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
PID06	752	Surface/Layer/Position Code	O	ID	2/2	Used
		Description: Code indicating the product surface, layer or position that is being described All valid standard codes are used.				
PID07	822	Source Subqualifier	O	AN	1/15	Used
		Description: A reference that indicates the table or text maintained by the Source Qualifier				
PID08	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response All valid standard codes are used.				
PID09	819	Language Code	O	ID	2/3	Used
		Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

DTM Date/Time Reference

Pos: 490	Max: 1
Detail - Optional	
Loop: PID	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time All valid standard codes are used.				
DTM02	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
DTM03	337	Time	X	TM	4/8	Used
		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)				
DTM04	623	Time Code	O	ID	2/2	Used
		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 All valid standard codes are used.				
DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Used
		Description: Code indicating the date format, time format, or date and time format All valid standard codes are used.				
DTM06	1251	Date Time Period	X	AN	1/35	Used
		Description: Expression of a date, a time, or range of dates, times or dates and times				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Percent Amounts

Pos: 500 Repeat: >1
 Optional
 Loop: PCT Elements: N/A

User Option (Usage): Used

Purpose: To qualify percent amounts and supply percent amounts

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
500	PCT	Percent Amounts	O	1		Used
510	QTY	Quantity	O	1		Used
520		Loop AMT	O		>1	Used

PCT Percent Amounts

Pos: 500	Max: 1
Detail - Optional	
Loop: PCT	Elements: 2

User Option (Usage): Used

Purpose: To qualify percent amounts and supply percent amounts

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>
PCT01	1004	Percent Qualifier	M	ID	1/2	Must use
		Description: Code to qualify percent All valid standard codes are used.				
PCT02	954	Percent	M	R	1/10	Must use
		Description: Percentage expressed as a decimal				

QTY Quantity

Pos: 510	Max: 1
Detail - Optional	
Loop: PCT	Elements: 4

User Option (Usage): Used

Purpose: To specify quantity information

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>
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use
		Description: Code specifying the type of quantity All valid standard codes are used.				
QTY02	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
QTY03	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)				
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	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: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
QTY04	61	Free-Form Message	X	AN	1/30	Used
		Description: Free-form information				

Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

Semantics:

1. QTY04 is used when the quantity is non-numeric.

Loop Monetary Amount

Pos: 520	Repeat: >1
Optional	
Loop: AMT	Elements: N/A

User Option (Usage): Used

Purpose: To indicate the total monetary amount

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
520	AMT	Monetary Amount	O	1		Used
530	ADX	Adjustment	O	>1		Used

AMT Monetary Amount

Pos: 520	Max: 1
Detail - Optional	
Loop: AMT	Elements: 3

User Option (Usage): Used

Purpose: To indicate the total monetary amount

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>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use
		Description: Code to qualify amount All valid standard codes are used.				
AMT02	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				
AMT03	478	Credit/Debit Flag Code	O	ID	1/1	Used
		Description: Code indicating whether amount is a credit or debit All valid standard codes are used.				

ADX Adjustment

Pos: 530	Max: >1
Detail - Optional	
Loop: AMT	Elements: 4

User Option (Usage): Used

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

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	M	R	1/18	Must use
		Description: Monetary amount				
ADX02	426	Adjustment Reason Code	M	ID	2/2	Must use
		Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment				
		All valid standard codes are used.				
ADX03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		All valid standard codes are used.				
ADX04	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either ADX03 or ADX04 is present, then the other is 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.

Loop Amount and Settlement Method

Pos: 540 Repeat: 1
 Optional
 Loop: ASM Elements: N/A

User Option (Usage): Used

Purpose: Defines a participant's monetary commitment and settlement method

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
540	ASM	Amount and Settlement Method	O	1		Used
550	ADX	Adjustment	O	1		Used

ASM Amount and Settlement Method

Pos: 540	Max: 1
Detail - Optional	
Loop: ASM	Elements: 3

User Option (Usage): Used

Purpose: Defines a participant's monetary commitment and settlement method

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>
ASM01	610	Amount	M	N2	1/15	Must use
		Description: Monetary amount				
ASM02	107	Payment Method Code	O	ID	1/2	Used
		Description: Code identifying type of payment procedures All valid standard codes are used.				
ASM03	522	Amount Qualifier Code	O	ID	1/3	Used
		Description: Code to qualify amount All valid standard codes are used.				

ADX Adjustment

Pos: 550	Max: 1
Detail - Optional	
Loop: ASM	Elements: 4

User Option (Usage): Used

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

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	M	R	1/18	Must use
		Description: Monetary amount				
ADX02	426	Adjustment Reason Code	M	ID	2/2	Must use
		Description: Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment				
		All valid standard codes are used.				
ADX03	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		All valid standard codes are used.				
ADX04	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either ADX03 or ADX04 is present, then the other is 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.

SE Transaction Set Trailer

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

User Option (Usage): Must use

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)

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	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

1. SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of a functional group and to provide control information

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>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	Group Control Number	M	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

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>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				