

**A Book Industry System
Advisory Committee
Implementation Guideline for
EDI**

810 INVOICE

VERSION: MAY 1999

810 Invoice

Functional Group=IN

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Notes:

- 2/015 The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.
- 3/070 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Required
020	BIG	Beginning Segment for Invoice	M	1			Required
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	12			Used
LOOP ID - N1					200		
070	N1	Name	O	1			Required
080	N2	Additional Name Information	O	2			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
120	PER	Administrative Communications Contact	O	3			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
140	DTM	Date/Time Reference	O	10			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					200000		
010	IT1	Baseline Item Data (Invoice)	O	1			Used
015	QTY	Quantity	O	5		N2/015	Used
050	CTP	Pricing Information	O	25			Used
LOOP ID - PID					1000		
060	PID	Product/Item Description	O	1			Used
LOOP ID - SAC					25		
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - LM					10		
300	LM	Code Source Information	O	1			Used
310	LQ	Industry Code	M	100			Required

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	TDS	Total Monetary Value Summary	M	1			Required

<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>
020	TXI	Tax Information	O	10			Used
<u>LOOP ID - SAC</u>					<u>25</u>		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
070	CTT	Transaction Totals	O	1		N3/070	Required
080	SE	Transaction Set Trailer	M	1			Required

ST Transaction Set Header

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

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

Semantics:

- The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Required				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>810</td> <td>X12.2 Invoice</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	810	X12.2 Invoice				
<u>Code</u>	<u>Name</u>									
810	X12.2 Invoice									
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Required				

BIG Beginning Segment for Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 10

To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

1. BIG07 is used only to further define the type of invoice when needed.

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>								
BIG01	373	Date Description: Date (YYMMDD)	M	DT	6/6	Required								
BIG02	76	Invoice Number Description: Identifying number assigned by issuer	M	AN	1/22	Required								
BIG03	373	Date Description: Date (YYMMDD)	O	DT	6/6	Used								
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/22	Used								
BIG05	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O	AN	1/30	Used								
BIG06	327	Change Order Sequence Number Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set User: <i>This element is used by the publisher/manufacturer group.</i>	O	AN	1/8	Used								
BIG07	640	Transaction Type Code Description: Code specifying the type of transaction <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CI</td> <td>Consolidated Invoice</td> </tr> <tr> <td>CR</td> <td>Credit Memo</td> </tr> <tr> <td>DR</td> <td>Debit Memo</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CI	Consolidated Invoice	CR	Credit Memo	DR	Debit Memo	O	ID	2/2	Used
<u>Code</u>	<u>Name</u>													
CI	Consolidated Invoice													
CR	Credit Memo													
DR	Debit Memo													
BIG08	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>00</td> <td>Original</td> </tr> </table>	<u>Code</u>	<u>Name</u>	00	Original	O	ID	2/2	Used				
<u>Code</u>	<u>Name</u>													
00	Original													
* BIG09	306	Action Code	O	ID	1/2	Not Used								

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code indicating type of action				
* BIG10	76	Invoice Number	O	AN	1/22	Not Used
		Description: Identifying number assigned by issuer				

CUR Currency

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

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

Syntax:

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

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	M	ID	2/2	Required						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BY</td> <td>Buying Party (Purchaser)</td> </tr> <tr> <td>SE</td> <td>Selling Party</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BY	Buying Party (Purchaser)	SE	Selling Party				
<u>Code</u>	<u>Name</u>											
BY	Buying Party (Purchaser)											
SE	Selling Party											
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Required						
* CUR03	280	Exchange Rate Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O	R	4/10	Not Used						
* CUR04	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used						
* CUR05	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	O	ID	3/3	Not Used						
* CUR06	669	Currency Market/Exchange Code Description: Code identifying the market upon which the	O	ID	3/3	Not Used						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		currency exchange rate is based				
* CUR07	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR08	373	Date Description: Date (YYMMDD)	O	DT	6/6	Not Used
* CUR09	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O	TM	4/8	Not Used
* CUR10	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR11	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR12	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* CUR13	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR14	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR15	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* CUR16	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR17	373	Date Description: Date (YYMMDD)	C	DT	6/6	Not Used
* CUR18	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used
* CUR19	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	C	ID	3/3	Not Used
* CUR20	373	Date	C	DT	6/6	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Date (YYMMDD)				
*	CUR21	Time	C	TM	4/8	Not 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)				

REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 4

To specify identifying information

Syntax:

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

Semantics:

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

User:

This segment is not recommended in the U.S.

This segment is REQUIRED in Canada.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																										
REF01	128	Reference Identification Qualifier Description: Code Qualifying the Reference Identification	M	ID	2/3	Required																										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BM</td> <td>Bill of Lading Number</td> </tr> <tr> <td>CT</td> <td>Contract Number</td> </tr> <tr> <td>FU</td> <td>Fund Code</td> </tr> <tr> <td></td> <td>Description: Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund</td> </tr> <tr> <td>GT</td> <td>Goods and Service Tax Registration Number</td> </tr> <tr> <td></td> <td>Description: This code value is required in Canada.</td> </tr> <tr> <td>IA</td> <td>Internal Vendor Number</td> </tr> <tr> <td>IT</td> <td>Internal Customer Number</td> </tr> <tr> <td>OI</td> <td>Original Invoice Number</td> </tr> <tr> <td>PL</td> <td>Price List Number</td> </tr> <tr> <td>TJ</td> <td>Federal Taxpayer's Identification Number</td> </tr> <tr> <td>TX</td> <td>Tax Exempt Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BM	Bill of Lading Number	CT	Contract Number	FU	Fund Code		Description: Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund	GT	Goods and Service Tax Registration Number		Description: This code value is required in Canada.	IA	Internal Vendor Number	IT	Internal Customer Number	OI	Original Invoice Number	PL	Price List Number	TJ	Federal Taxpayer's Identification Number	TX	Tax Exempt Number				
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PL	Price List Number																															
TJ	Federal Taxpayer's Identification Number																															
TX	Tax Exempt Number																															
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: <i>This data element is required in Canada.</i>	C	AN	1/30	Used																										
* REF03	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	Not Used																										
* REF04	C040	Reference Identifier Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	Comp		Not Used																										

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

N1 Name

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

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

Syntax:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>												
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	M	ID	2/2	Required												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BT</td> <td>Bill-to-Party</td> </tr> <tr> <td>RI</td> <td>Remit To</td> </tr> <tr> <td>SF</td> <td>Ship From</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> <tr> <td>VN</td> <td>Vendor</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BT	Bill-to-Party	RI	Remit To	SF	Ship From	ST	Ship To	VN	Vendor				
<u>Code</u>	<u>Name</u>																	
BT	Bill-to-Party																	
RI	Remit To																	
SF	Ship From																	
ST	Ship To																	
VN	Vendor																	
N102	93	Name Description: Free-form name	C	AN	1/35	Used												
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Used												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>D-U-N-S Number,Dun & Bradstreet</td> </tr> <tr> <td>9</td> <td>D-U-N-S+4,D-U-N-S Number with Four Character Suffix</td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent Description: This is the store number.</td> </tr> <tr> <td>12</td> <td>Telephone Number (Phone)</td> </tr> <tr> <td>15</td> <td>Standard Address Number (SAN)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	1	D-U-N-S Number,Dun & Bradstreet	9	D-U-N-S+4,D-U-N-S Number with Four Character Suffix	92	Assigned by Buyer or Buyer's Agent Description: This is the store number.	12	Telephone Number (Phone)	15	Standard Address Number (SAN)				
<u>Code</u>	<u>Name</u>																	
1	D-U-N-S Number,Dun & Bradstreet																	
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92	Assigned by Buyer or Buyer's Agent Description: This is the store number.																	
12	Telephone Number (Phone)																	
15	Standard Address Number (SAN)																	
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/20	Used												
* N105	706	Entity Relationship Code Description: Code describing entity relationship	O	ID	2/2	Not Used												
* N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2	Not Used												

N2 Additional Name Information

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

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 Description: Free-form name	M	AN	1/35	Required
N202	93	Name Description: Free-form name	O	AN	1/35	Used

N3 Address Information

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

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 Description: Address information	M	AN	1/35	Required
N302	166	Address Information Description: Address information	O	AN	1/35	Used

N4 Geographic Location

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

To specify the geographic place of the named party

Syntax:

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.

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 Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used
* N405	309	Location Qualifier Description: Code identifying type of location	C	ID	1/2	Not Used
* N406	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Not Used

PER Administrative Communications Contact

Pos: 120	Max: 3
Heading - Optional	
Loop: N1	Elements: 9

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

Syntax:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>														
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named	M	ID	2/2	Required														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>AP</td> <td>Accounts Payable Department</td> </tr> <tr> <td>AR</td> <td>Accounts Receivable Department</td> </tr> <tr> <td>BD</td> <td>Buyer Name or Department</td> </tr> <tr> <td>SU</td> <td>Supplier Contact</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	AP	Accounts Payable Department	AR	Accounts Receivable Department	BD	Buyer Name or Department	SU	Supplier Contact								
<u>Code</u>	<u>Name</u>																			
AP	Accounts Payable Department																			
AR	Accounts Receivable Department																			
BD	Buyer Name or Department																			
SU	Supplier Contact																			
PER02	93	Name Description: Free-form name	O	AN	1/35	Used														
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number	C	ID	2/2	Used														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BN</td> <td>Beeper Number</td> </tr> <tr> <td>CP</td> <td>Cellular Phone</td> </tr> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> <tr> <td>EX</td> <td>Telephone Extension</td> </tr> <tr> <td>FX</td> <td>Facsimile</td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	BN	Beeper Number	CP	Cellular Phone	EM	Electronic Mail	EX	Telephone Extension	FX	Facsimile	TE	Telephone				
<u>Code</u>	<u>Name</u>																			
BN	Beeper Number																			
CP	Cellular Phone																			
EM	Electronic Mail																			
EX	Telephone Extension																			
FX	Facsimile																			
TE	Telephone																			
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used														
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	C	ID	2/2	Used														
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used														
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number User: Refer to code list specified in 'PER03' for usage.	C	ID	2/2	Used														
PER08	364	Communication Number	C	AN	1/80	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: Complete communications number including country or area code when applicable				
* PER09	443	Contact Inquiry Reference	O	AN	1/20	Not Used
		Description: Additional reference number or description to clarify a contact number				

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 15

To specify terms of sale

Syntax:

L03040513 -- If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
 L08040513 -- If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
 L091011 -- If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

User:

This segment is not recommended in the U.S.

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>
ITD01	336	Terms Type Code	O	ID	2/2	Used
		Description: Code identifying type of payment terms				
		<u>Code</u> <u>Name</u>				
		01 Basic				
		02 End of Month (EOM)				
		03 Fixed Date				
		05 Discount Not Applicable				
		07 Extended				
		12 10 Days After End of Month (10 EOM)				
		14 Previously agreed upon				
		18 Fixed Date,Late Payment Penalty Applies				
		Description: Sales terms specifying a past due date, and a late payment percentage penalty applies to unpaid balances past this due date				
		22 Cash Discount Terms Apply				
		Description: Contract terms specify that a cash discount is applicable				
		CO Consignment				
		NC No Charge				
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
		Description: Code identifying the beginning of the terms period				
		<u>Code</u> <u>Name</u>				
		1 Ship Date				
		3 Invoice Date				
		4 Specified Date				
		8 Invoice Transmission Date				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD03	338	Terms Discount Percent Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R	1/6	Used
ITD04	370	Terms Discount Due Date Description: Date payment is due if discount is to be earned	C	DT	6/6	Used
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned	C	N0	1/3	Used
ITD06	446	Terms Net Due Date Description: Date when total invoice amount becomes due	O	DT	6/6	Used
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used
ITD08	362	Terms Discount Amount Description: Total amount of terms discount	O	N2	1/10	Used
* ITD09	388	Terms Deferred Due Date Description: Date deferred payment or percent of invoice payable is due	O	DT	6/6	Not Used
* ITD10	389	Deferred Amount Due Description: Deferred amount due for payment	C	N2	1/10	Not Used
* ITD11	342	Percent of Invoice Payable Description: Amount of invoice payable expressed in percent	C	R	1/5	Not Used
* ITD12	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used
* ITD13	765	Day of Month Description: The numeric value of the day of the month between 1 and the maximum day of the month being referenced	C	N0	1/2	Not Used
ITD14	107	Payment Method Code Description: Code identifying type of payment procedures	O	ID	1/1	Used
		<u>Code</u> <u>Name</u>				
		C Pay By Check				
		E Electronic Payment System				
		L Letter of Credit				
* ITD15	954	Percent Description: Percentage expressed as a decimal	O	R	1/10	Not Used

DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Optional	
Loop: N/A	Elements: 7

To specify pertinent dates and times

Syntax:

1. DTM02 R020306 -- At least one of DTM02, DTM03 or DTM06 is required.
2. DTM06 P0607 -- If either DTM06 or DTM07 are present, then the others are required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Required				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>011</td> <td>Shipped</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	011	Shipped				
<u>Code</u>	<u>Name</u>									
011	Shipped									
DTM02	373	Date Description: Date (YYMMDD)	C	DT	6/6	Required				
* DTM03	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C	TM	4/8	Not Used				
* DTM04	623	Time Code Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O	ID	2/2	Not Used				
DTM05	624	Century Description: The first two characters in the designation of the year (CCYY)	O	N0	2/2	Required				
* DTM06	1250	Date Time Period Format Qualifier Description: Code indicating the date format, time format, or date and time format	C	ID	2/3	Not Used				
* DTM07	1251	Date Time Period Description: Expression of a date, a time, or range of dates, times or dates and times	C	AN	1/35	Not Used				

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Optional	
Loop: IT1	Elements: 25

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

Syntax:

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

Semantics:

1. IT101 is the purchase order line item identification.

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	C	R	1/10	Used
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		CA Case Description: Note: For non-book items				
		CT Carton				
		EA Each Description: Note: For non-book items				
		ST Set				
		UN Unit				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																																										
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Used																																										
IT105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item User: <i>Standard Book Industry definitions should be applied to this element.</i>	O	ID	2/2	Used																																										
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CA</td> <td>Catalog</td> </tr> <tr> <td>CT</td> <td>Contract</td> </tr> <tr> <td>NC</td> <td>No Charge</td> </tr> <tr> <td></td> <td>User: <i>The book industry uses this code to specify free goods</i></td> </tr> <tr> <td>NT</td> <td>Net</td> </tr> <tr> <td></td> <td>Description: Indicates a net unit price</td> </tr> <tr> <td>PE</td> <td>Price per Each</td> </tr> <tr> <td>PR</td> <td>Promotion</td> </tr> <tr> <td>SR</td> <td>Retail/List/Suggested Selling Price</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CA	Catalog	CT	Contract	NC	No Charge		User: <i>The book industry uses this code to specify free goods</i>	NT	Net		Description: Indicates a net unit price	PE	Price per Each	PR	Promotion	SR	Retail/List/Suggested Selling Price																										
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IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: <i>When using both an RP and IB code value, the RP code value must be used first.</i>	C	ID	2/2	Used																																										
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		<p><u>Code</u> <u>Name</u></p> <p>shipped. This is the ISBN or UPC from the original order. When using a code value of RP and IB, always use the RP value first.</p> <p>RU Run Number</p> <p>RY Record Keeping or Model Year</p> <p>Description: Note: Year of publication</p> <p>SK Stock Keeping Unit (SKU)</p> <p>SL Seller's Lot Number</p> <p>UP U.P.C. Consumer Package Code (1-5-5-1)</p> <p>VE Vendor Color</p> <p>VN Vendor's (Seller's) Item Number</p> <p>VO Vendor's Order Number</p>				
IT107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT112	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT115	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT116	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT117	234	Product/Service ID	C	AN	1/40	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: Identifying number for a product or service				
IT118	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT119	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT120	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT121	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT122	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT123	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used
IT124	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) User: Refer to code list specified in 'IT106' for usage.	C	ID	2/2	Used
IT125	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/40	Used

QTY Quantity

Pos: 015	Max: 5
Detail - Optional	
Loop: IT1	Elements: 3

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 Description: Code specifying the type of quantity	M	ID	2/2	Required														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>01</td><td>Discrete Quantity</td></tr> <tr><td>02</td><td>Cumulative Quantity</td></tr> <tr><td>38</td><td>Original Quantity</td></tr> <tr><td>39</td><td>Shipped Quantity</td></tr> <tr><td>40</td><td>Remaining Quantity</td></tr> <tr><td>90</td><td>Acknowledged Quantity</td></tr> </tbody> </table> Description: A code value of 90 is used to identify the quantity acknowledged (shipped, backordered) if different from the quantity ordered.	<u>Code</u>	<u>Name</u>	01	Discrete Quantity	02	Cumulative Quantity	38	Original Quantity	39	Shipped Quantity	40	Remaining Quantity	90	Acknowledged Quantity				
<u>Code</u>	<u>Name</u>																			
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40	Remaining Quantity																			
90	Acknowledged Quantity																			
QTY02	380	Quantity Description: Numeric value of quantity	M	R	1/15	Required														
QTY03	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	O	Comp		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	M	ID	2/2	Required														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr><td>CT</td><td>Carton</td></tr> <tr><td>EA</td><td>Each</td></tr> <tr><td>PK</td><td>Package</td></tr> <tr><td>ST</td><td>Set</td></tr> <tr><td>UN</td><td>Unit</td></tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CT	Carton	EA	Each	PK	Package	ST	Set	UN	Unit						
<u>Code</u>	<u>Name</u>																			
CT	Carton																			
EA	Each																			
PK	Package																			
ST	Set																			
UN	Unit																			
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used														
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not 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	O	ID	2/2	Not Used														
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used														
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used														
*	355	Unit or Basis for Measurement Code	O	ID	2/2	Not Used														

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not 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	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not 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	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used

CTP Pricing Information

Pos: 050	Max: 25
Detail - Optional	
Loop: IT1	Elements: 11

To specify pricing information

Syntax:

1. CTP04 P0405 -- If either CTP04 or CTP05 are present, then the others are required.
2. CTP06 C0607 -- If CTP06 is present, then CTP07 is required
3. CTP09 C0902 -- If CTP09 is present, then CTP02 is required
4. CTP10 C1002 -- If CTP10 is present, then CTP02 is required

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

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>
* CTP01	687	Class of Trade Code Description: Code indicating class of trade	O	ID	2/2	Not Used
CTP02	236	Price Identifier Code Description: Code identifying pricing specification	C	ID	3/3	Used
		<u>Code</u> <u>Name</u>				
		CAT Catalog Price				
		NET Net Item Price				
		PRP Promotional price				
		SLP Retail/List/Suggested Selling Price				
CTP03	212	Unit Price Description: Price per unit of product, service, commodity, etc.	O	R	1/17	Used
* CTP04	380	Quantity Description: Numeric value of quantity	C	R	1/15	Not Used
* CTP05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	C	Comp		Not 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	M	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier	O	R	1/10	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Value to be used as a multiplier to obtain a new value				
*	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	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not 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	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not 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	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not 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	O	ID	2/2	Not Used
*	1018	Exponent Description: Power to which a unit is raised	O	R	1/15	Not Used
*	649	Multiplier Description: Value to be used as a multiplier to obtain a new value	O	R	1/10	Not Used
CTP06	648	Price Multiplier Qualifier Description: Code indicating the type of price multiplier User: <i>The multiplier is used to compute the price after the discount is applied (e.g. A multiplier of '.8' reflects a 20% discount.)</i> <i>DIS Discount Multiplier</i>	O	ID	3/3	Used
CTP07	649	Multiplier Description: Value to be used as a multiplier to obtain a new value User: <i>This value is a REAL number. The value is represented in decimal form. A discount of 20% would have a value in this element of .8</i>	C	R	1/10	Used
* CTP08	782	Monetary Amount Description: Monetary amount	O	R	1/15	Not Used
* CTP09	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item	O	ID	2/2	Not Used
* CTP10	499	Condition Value	O	AN	1/10	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Identifies rate restrictions or provisions				
* CTP11	289	Multiple Price Quantity	O	N0	1/2	Not Used
		Description: Quantity of units for a given price, e.g., 3 for \$10.00				

PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 9

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

Syntax:

- C0403 -- If PID04 is present, then PID03 is required
- R0405 -- At least one of PID04 or PID05 is required.
- C0703 -- If PID07 is present, then PID03 is required
- C0803 -- If PID08 is present, then PID03 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.

User:

This segment is used by the Publisher/Manufacturer Group and the library community.

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 Description: Code indicating the format of a description	M	ID	1/1	Required
		<u>Code</u> <u>Name</u>				
		F Free-form				
		S Structured (From Industry Code List)				
PID02	750	Product/Process Characteristic Code Description: Code identifying the general class of a product or process characteristic	O	ID	2/3	Used
		<u>Code</u> <u>Name</u>				
		08 Product				
PID03	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	C	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		BI Book Industry Systems Advisory Committee				
PID04	751	Product Description Code Description: A code from an industry code list which provides specific data about a product characteristic	C	AN	1/12	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p>User: <i>PROD - BISAC Publisher/Manufacturer Group product and services code list.</i></p> <p>-----</p> <p><i>In the library community the following code values values are used:</i></p> <p><i>A1 Author (1st 80 characters)</i></p> <p><i>A2 Author (81-160 characters)</i></p> <p><i>B1 Volume Set</i></p> <p><i>B3 Edition Set</i></p> <p><i>B4 Binding code (physical features)</i></p> <p><i>B5 Title code</i></p> <p><i>B6 Author code</i></p> <p><i>B7 Publisher code</i></p> <p><i>P1 Publisher (1st 80 characters)</i></p> <p><i>P2 Publisher (81-160 characters)</i></p> <p><i>T1 Title (1st 80 characters)</i></p> <p><i>T2 Title (81-160 characters)</i></p> <p><i>T3 Title (161-240 characters)</i></p>				
PID05	352	<p>Description</p> <p>Description: A free-form description to clarify the related data elements and their content</p> <p>User: <i>Code and/or description as agreed upon by the Publisher/Manufacturer Group.</i></p>	C	AN	1/80	Used
* PID06	752	<p>Surface/Layer/Position Code</p> <p>Description: Code indicating the product surface, layer or position that is being described</p>	O	ID	2/2	Not Used
* PID07	822	<p>Source Subqualifier</p> <p>Description: A reference that indicates the table or text maintained by the Source Qualifier</p>	O	AN	1/15	Not Used
* PID08	1073	<p>Yes/No Condition or Response Code</p> <p>Description: Code indicating a Yes or No condition or response</p>	O	ID	1/1	Not Used
* PID09	819	<p>Language Code</p> <p>Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)</p>	O	ID	2/3	Not Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Optional	
Loop: SAC	Elements: 15

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

Syntax:

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

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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

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	Required
		Description: Code which indicates an allowance or charge for the service specified				
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
		N		No Allowance or Charge		
		P		Promotion		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4	Used
		Description: Code identifying the service, promotion, allowance, or charge				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code</u> <u>Name</u>				
		A990 Cataloging Services				
		B210 Co-op Credit				
		D200 Freight Charges to Destination				
		D220 Freight Passthrough				
		E170 Labeling				
		F800 Promotional Allowance				
		H850 Tax				
* SAC03	559	Agency Qualifier Code	C	ID	2/2	Not Used
		Description: Code identifying the agency assigning the code values				
* SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	C	AN	1/10	Not 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	C	ID	1/1	Not Used
		Description: Code indicating on what basis allowance or charge percent is calculated				
* SAC07	332	Percent	C	R	1/6	Not 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	C	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>Code</u> <u>Name</u>				
		EA Each				
		Description: For non-book items.				
		UN Unit				
SAC10	380	Quantity	C	R	1/15	Used
		Description: Numeric value of quantity				
* SAC11	380	Quantity	O	R	1/15	Not Used
		Description: Numeric value of quantity				
* SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Not Used
		Description: Code indicating method of handling for an allowance or charge				
* SAC13	127	Reference Identification	C	AN	1/30	Not Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		User: <i>This element is used by the publisher/manufacturer group.</i>				
* SAC14	770	Option Number	O	AN	1/20	Not Used
		Description: A unique number identifying available promotion or allowance options when more than one is offered				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* SAC15	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used

LM Code Source Information

Pos: 300	Max: 1
Detail - Optional	
Loop: LM	Elements: 2

To transmit standard code list identification information

Comments:

- LM02 identifies the applicable industry code list source 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>
LM01	559	Agency Qualifier Code	M	ID	2/2	Required
		Description: Code identifying the agency assigning the code values				
		<u>Code</u> <u>Name</u>				
		BI Book Industry Systems Advisory Committee				
LM02	822	Source Subqualifier	O	AN	1/15	Required
		Description: A reference that indicates the table or text maintained by the Source Qualifier				
		<u>Code</u> <u>Name</u>				
		ACK BISAC Acknowledgement Code List				

LQ Industry Code

Pos: 310	Max: 100
Detail - Mandatory	
Loop: LM	Elements: 2

Code to transmit standard industry codes

Syntax:

C0102 -- If LQ01 is present, then LQ02 is required

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* LQ01	1270	Code List Qualifier Code Description: Code identifying a specific industry code list	O	ID	1/3	Not Used
LQ02	1271	Industry Code Description: Code indicating a code from a specific industry code list	C	AN	1/30	Used

<u>Code</u>	<u>Name</u>
AC	Item accepted and shipped (Shipping)
AN	Available: Shipping - new edition/ISBN (Shipping)
AR	Item Accepted: Released for shipment (Shipping)
AS	Available: Shipping - same ISBN (Shipping)
AV	Inventory available for order (Available)
AX	Available: Shipping - free book (Shipping)
BA	Backordered: Not yet available (Not Shipped)
BB	Backordered: Reprint under consideration (Not Shipped)
BC	Backordered: Current edition not available - to be replaced with... (Not Shipped)
BD	Backordered: Delay in publication (Not Shipped)
BH	Backordered: On hold (Not Shipped)
BI	Backordered: To be reissued (Not Shipped)
BK	Backordered: from previous order (Not Shipped)
BN	Backordered: Inventory in progress; closed for stocktaking (Not Shipped)
BO	Backordered: At customer's request (Not Shipped)
BP	Item Accepted: partial shipment; balance backordered (Shipping)
BR	Backordered: To be reprinted (Not Shipped)
BT	Billed Total (Shipping)
BW	Backordered: Waiting for catalog/processing (Not Shipped)
BX	Backordered: Not yet published (Not Shipped)
CA	Cancelled: Not yet available (Not Shipped)
CB	Cancelled: Not our publication (Not Shipped)
CD	Cancelled: Delay in publication (Not Shipped)
CE	Cancelled: Order partially filled and shipped; remainder of order cancelled (Shipping)
CF	Cancelled: Current edition not available (Not Shipped)
CG	Cancelled: No geographic rights (Not Shipped) Description: e.g. Canadian

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	Code	Name				
	CH	Cancelled: Rights no longer ours (Not Shipped)				
	CI	Cancelled: To be reissued (Not Shipped)				
	CJ	Cancelled: Out of print in cloth; available in paper - reorder (Not Shipped)				
	CL	Cancelled: Out of print in paper; available in cloth - reorder (Not Shipped)				
	CN	Cancelled: Inventory in progress; closed for stocktaking (Not Shipped)				
	CO	Cancelled: Out of stock (Not Shipped)				
	CQ	Cancelled: Did not meet minimum order requirements (Not Shipped)				
		Description: e.g. quantity or dollar value				
	CR	Cancelled: To be reprinted (Not Shipped)				
	CT	Cancelled: Publisher did not respond by your cancellation date (Not Shipped)				
	CU	Cancelled: Kits not available (Not Shipped)				
	CV	Cancelled: Complete set volume must be purchased (Not Shipped)				
	CW	Cancelled: Apply direct; not available through wholesale channels (Not Shipped)				
	CX	Cancelled: Never published (Not Shipped)				
	CY	Cancelled: Not available as a processed book (Not Shipped)				
	DR	Item accepted: Date rescheduled (Shipping)				
	DS	Out of Stock (Not Shipped)				
	IA	Item Accepted (Shipping)				
	IB	Item Backordered (Not Shipped)				
	ID	Item Deleted (Not Shipped)				
	IE	Item accepted: Price pending (Shipping)				
	IF	Item on hold: Incomplete description (Not Shipped)				
	IH	Item on hold (Not Shipped)				
	IN	Item accepted: Forwarded to new supplier (Not Shipped)				
	IP	Item accepted: Price changed (Shipping)				
	IQ	Item accepted: Quantity changed (Shipping)				
	IR	Item rejected (Not Shipped)				
	IS	Item accepted: Substitution made (Shipping)				
	IW	Item on hold: Waiver required (Not Shipped)				
	KC	Cancelled: Reprint under consideration (Not Shipped)				
	KK	Cancelled: ISBN incorrect/unknown (Not Shipped)				
	KM	Cancelled: Market for this title is restricted (Not Shipped)				
	KP	Cancelled: Out of print (Not Shipped)				
	KS	Cancelled: Book sold by subscription only (Not Shipped)				
	NF	Not yet published (Not Shipped)				
	OP	Out of print (Not Shipped)				
	OR	Temporarily out of stock (Not Shipped)				
	PA	Partial shipment (Shipping)				
	SC	Shipment complete (Shipping)				
	SP	Item accepted: Schedule date pending (Shipping)				
	SS	Split Shipment (Shipping)				
	ZZ	Mutually defined (Unknown)				

TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 4

To specify the total invoice discounts and amounts

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

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>
TDS01	610	Amount Description: Monetary amount	M	N2	1/15	Required
TDS02	610	Amount Description: Monetary amount	O	N2	1/15	Used
TDS03	610	Amount Description: Monetary amount	O	N2	1/15	Used
* TDS04	610	Amount Description: Monetary amount	O	N2	1/15	Not Used

TXI Tax Information

Pos: 020	Max: 10
Summary - Optional	
Loop: N/A	Elements: 10

To specify tax information

Syntax:

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

Semantics:

1. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

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 Description: Code specifying the type of tax	M	ID	2/2	Required												
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GS</td> <td>Goods and Services Tax</td> </tr> <tr> <td></td> <td>Description: Canadian value-added tax</td> </tr> <tr> <td>LS</td> <td>State and Local Sales Tax</td> </tr> <tr> <td>TX</td> <td>All Taxes</td> </tr> <tr> <td></td> <td>Description: All Taxes Applicable - To be used for harmonization of provincial and GST in Canada.</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GS	Goods and Services Tax		Description: Canadian value-added tax	LS	State and Local Sales Tax	TX	All Taxes		Description: All Taxes Applicable - To be used for harmonization of provincial and GST in Canada.				
<u>Code</u>	<u>Name</u>																	
GS	Goods and Services Tax																	
	Description: Canadian value-added tax																	
LS	State and Local Sales Tax																	
TX	All Taxes																	
	Description: All Taxes Applicable - To be used for harmonization of provincial and GST in Canada.																	
TXI02	782	Monetary Amount Description: Monetary amount	C	R	1/15	Used												
TXI03	954	Percent Description: Percentage expressed as a decimal	C	R	1/10	Used												
* TXI04	955	Tax Jurisdiction Code Qualifier Description: Code identifying the source of the data used in tax jurisdiction code	C	ID	2/2	Not Used												
* TXI05	956	Tax Jurisdiction Code Description: Code identifying the taxing jurisdiction	C	AN	1/10	Not Used												
* TXI06	441	Tax Exempt Code Description: Code identifying exemption status from sales and use tax	C	ID	1/1	Not Used												
* TXI07	662	Relationship Code Description: Code indicating the relationship between entities	O	ID	1/1	Not Used												

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* TXI08	828	Dollar Basis For Percent Description: Dollar basis to be used in the percent calculation of the allowance, charge or tax	O	R	1/9	Not Used
* TXI09	325	Tax Identification Number Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	O	AN	1/20	Not Used
* TXI10	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Not Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 15

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

Syntax:

- R0203 -- At least one of SAC02 or SAC03 is required.
- P0304 -- If either SAC03 or SAC04 are present, then the others are required.
- P0607 -- If either SAC06 or SAC07 are present, then the others are required.
- P0910 -- If either SAC09 or SAC10 are present, then the others are required.
- C1110 -- If SAC11 is present, then SAC10 is required
- L130204 -- If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- C1413 -- If SAC14 is present, then SAC13 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.

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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

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	Required
		Description: Code which indicates an allowance or charge for the service specified				
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
		N		No Allowance or Charge		
		P		Promotion		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	ID	4/4	Used
		Description: Code identifying the service, promotion, allowance, or charge				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code</u> <u>Name</u>				
		A990 Cataloging Services				
		B210 Co-op Credit				
		D200 Freight Charges to Destination				
		D220 Freight Passthrough				
		E170 Labeling				
* SAC03	559	Agency Qualifier Code Description: Code identifying the agency assigning the code values	C	ID	2/2	Not Used
* SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Description: Agency maintained code identifying the service, promotion, allowance, or charge	C	AN	1/10	Not Used
SAC05	610	Amount Description: Monetary amount	O	N2	1/15	Used
* SAC06	378	Allowance/ Charge Percent Qualifier Description: Code indicating on what basis allowance or charge percent is calculated	C	ID	1/1	Not Used
* SAC07	332	Percent Description: Percent expressed as a percent	C	R	1/6	Not Used
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	Used
SAC09	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	C	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		EA Each				
		Description: For non-book items.				
		UN Unit				
SAC10	380	Quantity Description: Numeric value of quantity	C	R	1/15	Used
* SAC11	380	Quantity Description: Numeric value of quantity	O	R	1/15	Not Used
* SAC12	331	Allowance or Charge Method of Handling Code Description: Code indicating method of handling for an allowance or charge	O	ID	2/2	Not Used
* SAC13	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: <i>This element is used by the publisher/manufacturer group.</i>	C	AN	1/30	Not Used
* SAC14	770	Option Number Description: A unique number identifying available promotion or allowance options when more than one is offered	O	AN	1/20	Not Used
* SAC15	352	Description	O	AN	1/80	Not Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: A free-form description to clarify the related data elements and their content

CTT Transaction Totals

Pos: 070	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

To transmit a hash total for a specific element in the transaction set

Syntax:

P0304 -- If either CTT03 or CTT04 are present, then the others are required.
 P0506 -- If either CTT05 or CTT06 are present, then the others are required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

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>
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	M	N0	1/6	Required
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O	R	1/10	Used
* CTT03	81	Weight Description: Numeric value of weight	C	R	1/10	Not Used
* CTT04	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	C	ID	2/2	Not Used
* CTT05	183	Volume Description: Value of volumetric measure	C	R	1/8	Not Used
* CTT06	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	C	ID	2/2	Not Used
* CTT07	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Not Used

SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

Comments:

- SE is the last segment of each transaction set.

Element Summary:

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