

810 Invoice

Functional Group ID=**IN**

Introduction:

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:

DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: <http://www.dla.mil/j-6/dlms>. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
5	010	ST	Transaction Set Header	M	1		
6	020	BIG	Beginning Segment for Invoice	M	1		
8	030	NTE	Note/Special Instruction	O	100		
Not Used	040	CUR	Currency	O	1		
Not Used	050	REF	Reference Identification	O	12		
Not Used	055	YNQ	Yes/No Question	O	10		
9	060	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
12	070	N1	Name	O	1		
Not Used	080	N2	Additional Name Information	O	2		
Not Used	090	N3	Address Information	O	2		
Not Used	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	125	DMG	Demographic Information	O	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
14	140	DTM	Date/Time Reference	O	10		
Not Used	150	FOB	F.O.B. Related Instructions	O	1		
Not Used	160	PID	Product/Item Description	O	200		
Not Used	170	MEA	Measurements	O	40		
Not Used	180	PWK	Paperwork	O	25		
Not Used	190	PKG	Marking, Packaging, Loading	O	25		
Not Used	200	L7	Tariff Reference	O	1		

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Not Used	212	BAL	Balance Detail	O	>1
Not Used	213	INC	Installment Information	O	1
Not Used	214	PAM	Period Amount	O	>1
LOOP ID - LM					10
15	220	LM	Code Source Information	O	1
16	230	LQ	Industry Code	M	100
LOOP ID - N9					1
Not Used	240	N9	Reference Identification	O	1
Not Used	250	MSG	Message Text	M	10
LOOP ID - V1					>1
Not Used	260	V1	Vessel Identification	O	1
Not Used	270	R4	Port or Terminal	O	>1
Not Used	280	DTM	Date/Time Reference	O	>1
LOOP ID - FA1					>1
17	290	FA1	Type of Financial Accounting Data	O	1
18	300	FA2	Accounting Data	M	>1

Detail:

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LOOP ID - IT1						200000	
19	010	IT1	Baseline Item Data (Invoice)	O	1		
Not Used	012	CRC	Conditions Indicator	O	1		
22	015	QTY	Quantity	O	5		n1
Not Used	020	CUR	Currency	O	1		
Not Used	030	IT3	Additional Item Data	O	5		
Not Used	040	TXI	Tax Information	O	10		
Not Used	050	CTP	Pricing Information	O	25		
Not Used	055	PAM	Period Amount	O	10		
Not Used	059	MEA	Measurements	O	40		
LOOP ID - PID						1000	
Not Used	060	PID	Product/Item Description	O	1		
Not Used	070	MEA	Measurements	O	10		
Not Used	080	PWK	Paperwork	O	25		
Not Used	090	PKG	Marking, Packaging, Loading	O	25		
Not Used	100	PO4	Item Physical Details	O	1		
Not Used	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
24	120	REF	Reference Identification	O	>1		
Not Used	125	YNQ	Yes/No Question	O	10		
Not Used	130	PER	Administrative Communications Contact	O	5		
Not Used	140	SDQ	Destination Quantity	O	500		
26	150	DTM	Date/Time Reference	O	10		
28	160	CAD	Carrier Detail	O	>1		
Not Used	170	L7	Tariff Reference	O	>1		
Not Used	175	SR	Requested Service Schedule	O	1		

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LOOP ID - SAC			25
30	180	SAC	Service, Promotion, Allowance, or Charge Information
Not Used	190	TXI	Tax Information
LOOP ID - SLN			1000
Not Used	200	SLN	Subline Item Detail
Not Used	205	DTM	Date/Time Reference
Not Used	210	REF	Reference Identification
Not Used	220	PID	Product/Item Description
Not Used	230	SAC	Service, Promotion, Allowance, or Charge Information
Not Used	235	TC2	Commodity
Not Used	237	TXI	Tax Information
LOOP ID - N1			200
33	240	N1	Name
Not Used	250	N2	Additional Name Information
Not Used	260	N3	Address Information
Not Used	270	N4	Geographic Location
Not Used	280	REF	Reference Identification
Not Used	290	PER	Administrative Communications Contact
Not Used	295	DMG	Demographic Information
LOOP ID - LM			10
34	300	LM	Code Source Information
35	310	LQ	Industry Code
LOOP ID - V1			>1
Not Used	320	V1	Vessel Identification
Not Used	330	R4	Port or Terminal
Not Used	340	DTM	Date/Time Reference
LOOP ID - FA1			>1
Not Used	350	FA1	Type of Financial Accounting Data
Not Used	360	FA2	Accounting Data

Summary:

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36	010	TDS	Total Monetary Value Summary	M	1		
Not Used	020	TXI	Tax Information	O	10		
Not Used	030	CAD	Carrier Detail	O	1		
Not Used	035	AMT	Monetary Amount	O	>1		
LOOP ID - SAC						25	
37	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	050	TXI	Tax Information	O	10		
LOOP ID - ISS						>1	
Not Used	060	ISS	Invoice Shipment Summary	O	1		

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Not Used	065	PID	Product/Item Description	O	1	
40	070	CTT	Transaction Totals	O	1	n2
42	080	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.
2. 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.

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	M AN 4/9

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes:

- 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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	BIG01	373 Date	M DT 8/8
		Date expressed as CCYYMMDD	
		<i>This data corresponds to the universal time coordinate (UTC).</i>	
M	BIG02	76 Invoice Number	M AN 1/22
		Identifying number assigned by issuer	
Not Used	BIG03	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	
Not Used	BIG04	324 Purchase Order Number	O AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
Not Used	BIG05	328 Release Number	O AN 1/30
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
Not Used	BIG06	327 Change Order Sequence Number	O AN 1/8
		Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	
	BIG07	640 Transaction Type Code	O ID 2/2
		Code specifying the type of transaction	
		CA Cash	
		PP Prepaid Invoice	
	BIG08	353 Transaction Set Purpose Code	O ID 2/2
		Code identifying purpose of transaction set	
		00 Original	
		77 Simulation Exercise	
	BIG09	306 Action Code	O ID 1/2

			Code indicating type of action	
			I Reissue	
Not Used	BIG10	76	Invoice Number	O AN 1/22
			Identifying number assigned by issuer	

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:

Semantic Notes:

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.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		OTH Other Instructions	
M	NTE02	Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **PER Administrative Communications Contact**
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

- Notes:**
1. *Use is recommended for noninterfund bills to identify the person in the invoicing activity, the bill-to party or other party to contact for further information on the invoice or one of its billing lines. Use for interfund bills only under exceptional circumstances when requiring direct communication with the party originating the transaction set.*
 2. *Use multiple repetitions to identify a point of contact (POC) and multiple communication numbers. When using multiple repetitions to identify different communication numbers for a single POC, repeat the name cited in PER02.*

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		IC Information Contact	
	PER02	93 Name	O AN 1/60
		Free-form name	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		<i>1. Use to identify the preferred method of communication in the first repetition. Use PER05/6 and PER07/8 to identify additional communication numbers. Use additional repetitions of the PER segment to identify more than three numbers.</i>	
		<i>2. Do not include blank spaces, dashes, or parentheses between numbers.</i>	
		AU Defense Switched Network	
		<i>Use to identify the DSN telephone number.</i>	
		EM Electronic Mail	
		FX Facsimile	

				<i>Use to identify the facsimile (FAX) telephone number.</i>
		IT	International Telephone	
				<i>Include country and city code.</i>
		TE	Telephone	
				<i>Use to identify the commercial telephone number. Include the area code and number.</i>
		TL	Telex	
		TX	TWX	
PER04	364	Communication Number		X AN 1/80
			Complete communications number including country or area code when applicable	
PER05	365	Communication Number Qualifier		X ID 2/2
			Code identifying the type of communication number	
			<i>1. Use to identify an alternate, or secondary, communications number which can be used to contact the specified POC.</i>	
			<i>2. Do not include blank spaces or dashes between numbers.</i>	
		AU	Defense Switched Network	
				<i>Use to identify the DSN telephone number.</i>
		EM	Electronic Mail	
		EX	Telephone Extension	
				<i>Use in conjunction with code AU, IT, or TE to identify the telephone extension.</i>
		FX	Facsimile	
				<i>Use to identify the facsimile (FAX) telephone number.</i>
		IT	International Telephone	
				<i>Include country and city code.</i>
		TE	Telephone	
				<i>Use to identify the commercial telephone number. Include the area code and number.</i>
		TL	Telex	
		TX	TWX	
PER06	364	Communication Number		X AN 1/80
			Complete communications number including country or area code when applicable	
PER07	365	Communication Number Qualifier		X ID 2/2
			Code identifying the type of communication number	
			<i>1. Use to identify an alternate, or secondary method of communications which can be used to contact the specified POC.</i>	

2. Do not include blank spaces or dashes between numbers.

AU	Defense Switched Network
	<i>Use to identify the DSN telephone number.</i>
EM	Electronic Mail
EX	Telephone Extension
	<i>Use in conjunction with code AU, IT, or TE to identify the telephone extension.</i>
FX	Facsimile
	<i>Use to identify the facsimile (FAX) telephone number.</i>
IT	International Telephone
	<i>Include country and city code.</i>
TE	Telephone
	<i>Use to identify the commercial telephone number. Include the area code and number.</i>
TL	Telex
TX	TWX

	PER08	364	Communication Number	X	AN 1/80
			Complete communications number including country or area code when applicable		
Not Used	PER09	443	Contact Inquiry Reference	O	AN 1/20
			Additional reference number or description to clarify a contact number		

Segment: **N1** Name
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>Use any code.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	N102	93 Name	X AN 1/60
		Free-form name	
		<i>Use only to indicate the clear text name of the remit-to address and only when the remit-to address has not been assigned an identification code (DoDAAC, DUNS, or DUNS + 4). When using, do not use N103 and N104.</i>	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10 Department of Defense Activity Address Code (DODAAC)	
		M4 Department of Defense Routing Identifier Code (RIC)	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
Not Used	N105	706 Entity Relationship Code	O ID 2/2
		Code describing entity relationship	
	N106	98 Entity Identifier Code	O ID 2/3

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

FR

Message From

Use in conjunction with 1/N101/070 code II to indicate the organization cited in N104 is originating the transaction set.

TO

Message To

Use in conjunction with 1/N101/070 code BT to indicate the organization cited in N104 is receiving the transaction set.

Segment: **DTM** Date/Time Reference
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		097 Transaction Creation	
	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
Not Used	DTM03	337 Time	X TM 4/8
		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)	
Not Used	DTM04	623 Time Code	O ID 2/2
		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	
Not Used	DTM05	1250 Date Time Period Format Qualifier	X ID 2/3
		Code indicating the date format, time format, or date and time format	
Not Used	DTM06	1251 Date Time Period	X AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times	

Segment: **LM** Code Source Information
Position: 220
Loop: LM Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	LM01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			<i>Must use this segment loop to identify coded information maintained in department or agency documentation.</i>	
			DF Department of Defense (DoD)	
Not Used	LM02	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment: **LQ Industry Code**
Position: 230
Loop: LM Optional
Level: Heading
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LQ01	1270		Code List Qualifier Code Code identifying a specific industry code list <i>Use any code.</i>	O ID 1/3
LQ02	1271		Industry Code Code indicating a code from a specific industry code list	X AN 1/30

Segment: **FA1** Type of Financial Accounting Data
Position: 290
Loop: FA1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

Syntax Notes:

- Semantic Notes:**
- 1 FA101 Identifies the organization controlling the assignment of financial accounting information.
 - 2 FA102 Identifies the purpose of the accounting allowance or charge information.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	FA101	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
			<i>Use to indicate that the Component originating the funds is a Department of Defense agency, including DLA.</i>	
			DN Department of the Navy	
			<i>Includes the United States Marine Corps.</i>	
			DY Department of Air Force	
			DZ Department of Army	
			FG Federal Government	
Not Used	FA102	1300	Service, Promotion, Allowance, or Charge Code	O ID 4/4
			Code identifying the service, promotion, allowance, or charge	
Not Used	FA103	248	Allowance or Charge Indicator	O ID 1/1
			Code which indicates an allowance or charge for the service specified	

Segment: **FA2 Accounting Data**
Position: 300
Loop: FA1 Optional
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:

Notes: *Use this segment to identify the various components of the line of accounting and numbers associated with a line of accounting.*

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	FA201	1196	Breakdown Structure Detail Code	M ID 2/2
			Codes identifying details relating to a reporting breakdown structure tree	
			18 Funds Appropriation	
			58 Credits	
			L1 Accounting Installation Number	
			ZZ Mutually Defined	
M	FA202	1195	Financial Information Code	M AN 1/80
			Code representing financial accounting information	

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

- Semantic Notes:** 1 IT101 is the purchase order line item identification.
Comments:
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of 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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
IT101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <i>Use as a counter to identify the invoice billing line number of 2/IT1/010 loop iterations. In the first 2/IT1/010 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i>	O AN 1/20
IT102	358 Quantity Invoiced Number of units invoiced (supplier units) <i>Express as material, identify the quantity shipped.</i>	X R 1/10
IT103	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Use to identify the unit of issue.</i> Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
IT104	212 Unit Price	X R 1/17

Price per unit of product, service, commodity, etc.

Use the billing unit price, including those cases wherein the item was issued either without charge or on a nonreimbursable basis. Use a decimal point to indicate amounts that are not in whole dollars. Use a "0" when the item is issued without charge.

IT105	639	Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item	
		<i>Identify the source of unit price data in IT104.</i>	
		CA	Catalog
		CT	Contract
		NC	No Charge
		NT	Net
		ST	Standard
IT106	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		<i>Perpetuate from requisitioning, order, or issue document.</i>	
		A1	Plant Equipment Number
		A2	Department of Defense Identification Code (DoDIC)
			<i>1. Use to identify ammunition items.</i>
			<i>2. DLMS enhancement; see introductory DLMS note 6a.</i>
		A4	Subsistence Identification Number
			<i>Use to identify subsistence items.</i>
		FB	Form Number
		FS	National Stock Number
		FT	Federal Supply Classification
		MG	Manufacturer's Part Number
		YP	Publication Number
		ZZ	Mutually Defined
IT107	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT108	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CN	Commodity Name
		ZB	Commercial and Government Entity (CAGE) Code
IT109	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
Not Used	IT110	235	Product/Service ID Qualifier
			X ID 2/2

			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT111	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	IT112	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT113	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	IT114	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT115	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	IT116	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT117	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	IT118	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT119	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	IT120	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT121	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	IT122	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT123	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	IT124	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
Not Used	IT125	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	

Segment: **QTY** Quantity
Position: 015
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	QTY01	673 Quantity Qualifier Code specifying the type of quantity BA Due-In	M ID 2/2
	QTY02	380 Quantity Numeric value of quantity <i>Express as a whole number with no decimals.</i>	X R 1/15
	QTY03	C001 Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
M	C00101	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Use to identify the unit of issue.</i> Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	C00102	1018 Exponent Power to which a unit is raised	O R 1/15
Not Used	C00103	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355 Unit or Basis for Measurement Code 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	C00105	1018 Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner	O ID 2/2

			in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	QTY04	61	Free-Form Message	X AN 1/30
			Free-form information	

Segment:	REF Reference Identification
Position:	120
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>Use the 2/REF/120 loop to provide Unique Identification (UID) information.</i>

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			<i>Must use one of the following codes.</i>	
			16	Military Interdepartmental Purchase Request (MIPR) Number
			3H	Case Number
			43	Supporting Document Number
			CR	Customer Reference Number
			CT	Contract Number
			TG	Transportation Control Number (TCN)
			TN	Transaction Reference Number
			U3	Unique Supplier Identification Number (USIN)
			W1	Disposal Turn-In Document Number
	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
	REF04	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
M	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			W8	Suffix
M	C04002	127	Reference Identification	M AN 1/30

			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04005	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04006	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **DTM** Date/Time Reference

Position: 150

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *Use one or more iterations of this 2/DTM/150 segment to identify dates associated with the transaction.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			011 Shipped	
			035 Delivered	
			168 Release	
			231 Progress Payment	
			306 Adjustment Effective Date	
			315 Offset	
			324 Returned	
			548 Date of Advance	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	DTM03	337	Time	X TM 4/8
			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)	
Not Used	DTM04	623	Time Code	O ID 2/2
			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	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	

Not Used	DTM06	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment: **CAD** Carrier Detail
Position: 160
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation details for the transaction
Syntax Notes: 1 At least one of CAD05 or CAD04 is required.
 2 If CAD07 is present, then CAD08 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
CAD01	91	Transportation Method/Type Code		O ID 1/2
		Code specifying the method or type of transportation for the shipment <i>Use to identify the mode of shipment.</i>		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	CAD02	206 Equipment Initial		O AN 1/4
		Prefix or alphabetic part of an equipment unit's identifying number		
Not Used	CAD03	207 Equipment Number		O AN 1/10
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		
Not Used	CAD04	140 Standard Carrier Alpha Code		X ID 2/4
		Standard Carrier Alpha Code		
	CAD05	387 Routing		X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity <i>Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.</i>		
Not Used	CAD06	368 Shipment/Order Status Code		O ID 2/2
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction		
Not Used	CAD07	128 Reference Identification Qualifier		O ID 2/3
		Code qualifying the Reference Identification		
Not Used	CAD08	127 Reference Identification		X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	CAD09	284 Service Level Code		O ID 2/2
		Code indicating the level of transportation service or the billing service		

offered by the transportation carrier

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 180
Loop: SAC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 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. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 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.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	X ID 4/4

			Code identifying the service, promotion, allowance, or charge		
			A170 Adjustments		
			C300 Discount - Special		
			C930 Export Shipping Charge		
			D350 Goods and Services Credit Allowance		
			F060 Other Accessorial Service Charge		
			F560 Premium Transportation		
			F650 Preparation		
			F670 Price and Marketing Allowance		
			I170 Trade Discount		
			I260 Transportation Direct Billing		
Not Used	SAC03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
Not Used	SAC06	378	Allowance/Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
Not Used	SAC07	332	Percent	X	R 1/6
			Percent expressed as a percent		
Not Used	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	SAC09	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	SAC10	380	Quantity	X	R 1/15
			Numeric value of quantity		
Not Used	SAC11	380	Quantity	O	R 1/15
			Numeric value of quantity		
Not Used	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	SAC14	770	Option Number	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		

Not Used	SAC15	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	SAC16	819	Language Code	O ID 2/3
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	

Segment:	N1 Name
Position:	240
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 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.
Notes:	<i>Use the 2/N1/240 loop as needed to identify the organization to receive the product.</i>

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>Use any code.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N102	93 Name	X AN 1/60
		Free-form name	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		M4 Department of Defense Routing Identifier Code (RIC)	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
Not Used	N105	706 Entity Relationship Code	O ID 2/2
		Code describing entity relationship	
Not Used	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	

Segment: **LM** Code Source Information
Position: 300
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.
Notes: *Must use this 2/LM/300 loop to identify information maintained in Department or Agency documentation.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	LM01	559 Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

Segment: **LQ** Industry Code
Position: 310
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LQ01	1270	Code List Qualifier Code	Code identifying a specific industry code list <i>Use any code.</i>	O ID 1/3
LQ02	1271	Industry Code	Code indicating a code from a specific industry code list	X AN 1/30

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:

- 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.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	Amount Monetary amount <i>Used to identify the net amount of all credits, charges, and allowances excluding terms (payment) discounts.</i>	M N2 1/15
Not Used	TDS02	610	Amount Monetary amount	O N2 1/15
Not Used	TDS03	610	Amount Monetary amount	O N2 1/15
	TDS04	610	Amount Monetary amount <i>Use to identify the amount of terms (payment) discounts taken.</i>	O N2 1/15

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 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. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 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.

Notes: *Use for allowances or credits which cannot be identified to any specific line of billing within the entire invoice.*

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
M	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	

	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			A170 Adjustments		
			C300 Discount - Special		
			C930 Export Shipping Charge		
			D350 Goods and Services Credit Allowance		
			F060 Other Accessorial Service Charge		
			F560 Premium Transportation		
			F650 Preparation		
			I170 Trade Discount		
			I260 Transportation Direct Billing		
Not Used	SAC03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
Not Used	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
Not Used	SAC06	378	Allowance/Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
Not Used	SAC07	332	Percent	X	R 1/6
			Percent expressed as a percent		
Not Used	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	SAC09	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	SAC10	380	Quantity	X	R 1/15
			Numeric value of quantity		
Not Used	SAC11	380	Quantity	O	R 1/15
			Numeric value of quantity		
Not Used	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	SAC14	770	Option Number	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		

Not Used	SAC15	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	SAC16	819	Language Code	O ID 2/3
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	

Segment: **CTT Transaction Totals**

Position: 070

Loop:

Level: Summary

Usage: Optional

Max Use: 1

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

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

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

Notes: *Use to identify the number of billing lines (IT1 loops).*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354		Number of Line Items	M N0 1/6
				Total number of line items in the transaction set	
Not Used	CTT02	347		Hash Total	O R 1/10
				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.	
Not Used	CTT03	81		Weight	X R 1/10
				Numeric value of weight	
Not Used	CTT04	355		Unit or Basis for Measurement Code	X ID 2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	CTT05	183		Volume	X R 1/8
				Value of volumetric measure	
Not Used	CTT06	355		Unit or Basis for Measurement Code	X ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	CTT07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

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

Data Element Summary

	Ref.	Data		Attributes
		<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Cite the same number as in 1/ST02/010.</i>	