

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:

1. Use this transaction set to transmit commercial invoices to a DoD activity responsible for initiating the payment.
2. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the DoD on one or more shipments.
3. Use to transmit commercial invoice data only from one invoice preparing party to one invoice receiving party.

Heading:

	<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>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
N/U	030	NTE	Note/Special Instruction	F	100		
	040	CUR	Currency	O	1		
N/U	050	REF	Reference Numbers	O	12		
N/U	060	PER	Administrative Communications Contact	O	3		
			LOOP ID - N1			200	
	070	N1	Name	O	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	110	REF	Reference Numbers	O	12		
	120	PER	Administrative Communications Contact	O	3		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	140	DTM	Date/Time Reference	O	10		
	150	FOB	F.O.B. Related Instructions	O	1		
N/U	160	PID	Product/Item Description	O	200		
N/U	170	MEA	Measurements	O	40		
N/U	180	PWK	Paperwork	O	25		
N/U	190	PKG	Marking, Packaging, Loading	O	25		

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N/U	200	L7	Tariff Reference	O	1	
	210	AT	Financial Accounting	O	>1	
N/U	212	BAL	Balance Detail	O	2	n1
N/U	213	INC	Installment Information	O	1	
LOOP ID - LM					10	
N/U	220	LM	Code Source Information	O	1	
N/U	230	LQ	Industry Code	M	100	
LOOP ID - N9					1	
N/U	240	N9	Reference Number	O	1	
N/U	250	MSG	Message Text	M	10	
LOOP ID - V1					>1	
N/U	260	V1	Vessel Identification	O	1	
N/U	270	R4	Port	O	>1	
N/U	280	DTM	Date/Time Reference	O	>1	

Detail:

<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>
LOOP ID - IT1					200000	
	010	IT1	Baseline Item Data (Invoice)	O	1	
N/U	012	CRC	Conditions Indicator	O	1	
N/U	015	QTY	Quantity	O	5	n2
N/U	020	CUR	Currency	O	1	
N/U	030	IT3	Additional Item Data	O	5	
	040	TXI	Tax Information	O	10	
N/U	050	CTP	Pricing Information	O	25	
N/U	055	PAM	Period Amount	O	10	
N/U	059	MEA	Measurements	O	40	
LOOP ID - PID					1000	
	060	PID	Product/Item Description	O	1	
N/U	070	MEA	Measurements	O	10	
N/U	080	PWK	Paperwork	O	25	
N/U	090	PKG	Marking, Packaging, Loading	O	25	
N/U	100	PO4	Item Physical Details	O	1	
	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
	120	REF	Reference Numbers	O	>1	
N/U	130	PER	Administrative Communications Contact	O	5	
N/U	140	SDQ	Destination Quantity	O	500	
	150	DTM	Date/Time Reference	O	10	
	160	CAD	Carrier Detail	O	>1	
N/U	170	L7	Tariff Reference	O	>1	
N/U	175	SR	Requested Service Schedule	O	1	
LOOP ID - SAC					25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	190	TXI	Tax Information	O	10	

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LOOP ID - SLN			1000		
	200	SLN	Subline Item Detail	O	1
N/U	210	REF	Reference Numbers	O	>1
N/U	220	PID	Product/Item Description	O	1000
N/U	230	SAC	Service, Promotion, Allowance, or Charge Information	O	25
N/U	235	TC2	Commodity	O	2
N/U	237	TXI	Tax Information	O	10
LOOP ID - N1			200		
	240	N1	Name	O	1
	250	N2	Additional Name Information	O	2
	260	N3	Address Information	O	2
	270	N4	Geographic Location	O	1
N/U	280	REF	Reference Numbers	O	12
N/U	290	PER	Administrative Communications Contact	O	3
LOOP ID - LM			10		
N/U	300	LM	Code Source Information	O	1
N/U	310	LQ	Industry Code	M	100
LOOP ID - V1			>1		
N/U	320	V1	Vessel Identification	O	1
N/U	330	R4	Port	O	>1
N/U	340	DTM	Date/Time Reference	O	>1

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	TDS	Total Monetary Value Summary	M	1	
	020	TXI	Tax Information	O	10	
	030	CAD	Carrier Detail	O	1	
LOOP ID - SAC			25			
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
	050	TXI	Tax Information	O	10	
LOOP ID - ISS			>1			
N/U	060	ISS	Invoice Shipment Summary	O	1	
N/U	065	PID	Product/Item Description	O	1	
Must Use	070	CTT	Transaction Totals	M	1	n3
Must Use	080	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. The BAL segment is to be used only if the code in BIG07 indicates that the transaction is a "Monthly Adjustment" or "Special Handling Adjustment" invoice.
2. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.

810 - Invoice (Commercial)

3. 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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			810 X12.2 Invoice	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Use to transmit a unique number assigned by the originator of the transaction set. This number may be system generated.</i>	

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

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	BIG01	373 Date	M	DT 6/6
		Date (YYMMDD)		
		<i>Use to identify the date the transaction set was created. In the context of a commercial invoice, this date will represent the date of the invoice.</i>		
Must Use	BIG02	76 Invoice Number	M	AN 1/22
		Identifying number assigned by issuer		
		<i>Use to uniquely identify the invoice transaction to an issuer. The invoice number may not be duplicated by a issuer in an original transaction (BIG08, code 00) within a 12 month period. Same number can be used if issuing an amended invoice (BIG08 is code 01, 05, or 07).</i>		
	BIG03	373 Date	O	DT 6/6
		Date (YYMMDD)		
		<i>When BIG05 is used, cite the date of the delivery order, call or release. When BIG05 is not used, cite the date of the award instrument in BIG04.</i>		
Must Use	BIG04	324 Purchase Order Number	O	AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser		
		<i>Enter the purchase order number, contract number (including Federal Supply Schedules, GSA Schedules and all other basic contracts), BPA number, Grant, Lease or Agreement number. This is always the Procurement Instrument Identification Number (PIIN) for DOD or the equivalent expression for Civilian Agencies. This is never the number of a delivery order, call or release against a basic award instrument. That number is carried in BIG05. This number shall be transmitted without dashes.</i>		
	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

Enter the number of a release, call or delivery order against a basic award instrument. This is always the Supplemental Procurement Instrument Identification Number (SPIIN) for DOD or the equivalent expression for Civilian Agencies. This number shall be transmitted without dashes.

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

Use, as applicable, to identify a modification number to the instrument in BIG05. If BIG05 is blank, the PIIN in BIG04.

Must Use BIG07 640 Transaction Type Code O ID 2/2

Code specifying the type of transaction

- AI Adjusted Invoice
Use to indicate an adjusted invoice for Defense Fuels Supply Center (DFSC) transactions.
- CI Consolidated Invoice
1. Use to indicate a consolidated invoice for such things as credit card purchases.

2. This code is not used by all departments and agencies. Check with your trading partner for ability to use.
- CN Credit Invoice
- CO Corrected
Use to indicate a corrected invoice for Standard Automated Materiel Management System (SAMMS) transactions.
- CR Credit Memo
- DI Debit Invoice
Use to indicate an ordinary invoice.
- DO Drop Shipment Invoice
- DR Debit Memo
- PR Product (or Service)
Use to indicate an original invoice submitted by the utility industry. When this code is used, BIG08 must cite code 00.
- RE Rebill
Use to indicate a rebill of the invoice on Standard Automated Materiel Management System (SAMMS) transactions.

Must Use BIG08 353 Transaction Set Purpose Code O ID 2/2

Code identifying purpose of transaction set

- 00 Original
Use to indicate the initial submission of an original invoice or a replacement invoice for one that was cancelled but which has a new number assigned.
- 01 Cancellation
Use to indicate the cancellation of a previously submitted invoice.
- 05 Replace
Use to indicate a replacement invoice using the same invoice number as a previously submitted invoice. When used, the replacement invoice will overwrite the original invoice in the receiving data base.
- 07 Duplicate
Use to indicate a duplicate submission.

BIG09 **306** **Action Code** **O** **ID** **1/2**

Code indicating type of action

- F Final
Use to indicate the final invoice. Do not use for partial invoices.

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.
Notes: 1. *Use this 1/CUR/040 segment to identify the currency in which payment is requested if in other than US dollars.*

2. *When requesting payment in other than US dollars, cite code BY in CUR01 and the requested payment currency in CUR02. No exchange rate is required for the payment currency.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use CUR01	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		BY Buying Party (Purchaser)	
		<i>Use to indicate that the award instrument authorizes payment in the currency cited in CUR02.</i>	
Must Use CUR02	100	Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
		<i>Use the appropriate code to specify the currency in which payment is requested.</i>	

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

Notes: 1. *Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/4 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a contractor can be identified by a DUNS number, it is not necessary to transmit the contractor's full address since the relationship between the DUNS number and the contractor's address can be established by accessing a data base in which the information is stored, having been put there at the time the contractor electronically registered as a federal government trading partner.*

2. *At least 2 iterations of this 1/N1/070 loop are required using codes PE and PO.*

3. *Use to identify a ship-to addressee when the invoice contains multiple line items and the address is applicable to all line items. Use the 2/N1/240 loop when the invoice or the ship-to address varies among the line items.*

4. *Use the 1/N1/070 loop to identify organizations or people that apply to all of the line items, or are not applicable at the line item level. When the addresses vary by line item, use the 2/N1/240 loop.*

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
		BT	Bill-to-Party <i>Use to indicate the bill-to-office.</i>	
		C4	Contract Administration Office <i>Use to indicate the contract administration officer.</i>	
		II	Issuer of Invoice <i>Use to indicate the sender of the invoice in Defense Fuels Supply Center (DFSC) transactions.</i>	

Must Use N103

66 Identification Code Qualifier X ID 1/2

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

While the federal EDI program uses the DUNS number, DoD users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.

- 1 D-U-N-S Number, Dun & Bradstreet
Use in all transmissions to identify the DUNS number of the invoicing party (N101 is code PE). Use in other iterations of the NI loop with the appropriate N101 codes to identify Government activities or other contractor locations.
- 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix
Use to indicate the parties when DUNS+4 is appropriate.
- 10 Department of Defense Activity Address Code (DODAAC)
Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address Code.
- 21 Health Industry I.D. Number (HIN)
- 33 Commercial and Government Entity (CAGE)
Use to indicate vendors with CAGE codes.
- 91 Assigned by Seller or Seller's Agent
Use to indicate unique identification established by the seller.
- 92 Assigned by Buyer or Buyer's Agent
Use to indicate unique identification established by the buyer.
- A2 Military Assistance Program Address Code (MAPAC)
Use to indicate a MAPAC address.
- FA Facility Identification
Use to identify the vendor facility that cannot be identified by either a DODAAC, CAGE, or DUNS number.
- FI Federal Taxpayer's Identification Number
- ZZ Mutually Defined

Must Use N104

67 Identification Code X AN 2/20

Code identifying a party or other code

Segment: **N2 Additional Name Information**

Position: 080

Loop: N1

Level: Heading

Usage: Optional

Max Use: 2

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

Syntax Notes:

Semantic Notes:

Comments:

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use, as needed, only when N101 is code ST or SV and that party cannot be identified by coded means.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use N201	93 Name Free-form name	M AN 1/35
N202	93 Name Free-form name	O AN 1/35

Segment: **N3 Address Information**

Position: 090

Loop: N1

Level: Heading

Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes:

Semantic Notes:

Comments:

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use, as needed, only when N101 is code ST or SV and that party cannot be identified by coded means.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N301	166 Address Information Address information	M AN 1/35
	N302	166 Address Information Address information	O AN 1/35

Segment: **N4 Geographic Location**
Position: 100
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
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 USA or Canada.
Notes: 1. *This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*
 2. *Use, as needed, only when N101 is code ST or SV and that party cannot be identified by coded means.*

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
N401	19 City Name Free-form text for city name	O AN 2/30
N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/11
N404	26 Country Code Code identifying the country <i>An application program conversion table may be required to convert agency codes to ASC X12 codes.</i>	O ID 2/3
N405	309 Location Qualifier Code identifying type of location AR Armed Services Location Designation <i>Use to indicate an Army Post Office (APO) or a Fleet Post Office (FPO).</i>	X ID 1/2
N406	310 Location Identifier Code which identifies a specific location <i>When N405 is code AR, cite the two letter APO or FPO identifier (AA for Miami, AE for New York, AP for San Francisco).</i>	O AN 1/30

Segment: **REF** Reference Numbers
Position: 110
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: *This 1/REF/110 segment can be used to identify numbers that apply to either the cited party or all of the line items. When the reference number does not apply to a cited party, or varies by line item, use the 2/REF/120 segment.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		<i>1. Use, as applicable, to identify the shipment number, replacement shipment number and final shipment indicator.</i>	
		<i>2. Use, as applicable, to identify additional reference numbers such as the customer reference number, etc., applicable to the cited party.</i>	
	45	Old Account Number	
		<i>Use only when applicable, and only when agreed to by the trading partners.</i>	
	46	Old Meter Number	
		<i>Use only when applicable, and only when agreed to by the trading partners.</i>	
	55	Sequence Number	
		<i>Use to indicate the suffix letter associated with a replacement shipment (i.e., when transmitting the letter A to indicate the first replacement shipment). (Applicable to DoD invoice only.)</i>	
	AA	Accounts Receivable Statement Number	
	BL	Government Bill of Lading	
	CR	Customer Reference Number	
		<i>Use to indicate a customer's internal reference number.</i>	
	E4	Charge Card Number	
		<i>Use to indicate the credit card number.</i>	
	EI	Employer's Identification Number	
	FS	Final Sequence Number	

Segment: **PER Administrative Communications Contact**
Position: 120
Loop: N1
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: *This segment is required if 1/N101/070 is code PE.*

Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>	
Must Use PER01	366	Contact Function Code		M ID 2/2	
		Code identifying the major duty or responsibility of the person or group named			
		AF Authorized Financial Contact			
		IC Information Contact			
		<i>Use to indicate the communication number to be contacted with questions arising from the submission of this invoice. Use only when the contact differs from one provided as a part of the registration process.</i>			
PER02	93	Name		O AN 1/35	
		Free-form name			
		<i>Cite last name first, followed by first name. If the whole name is longer than 35 characters, truncate or use initials for the first name.</i>			
PER03	365	Communication Number Qualifier		X ID 2/2	
		Code identifying the type of communication number			
		EM Electronic Mail			
		FT Federal Telecommunications System (FTS)			
		<i>Use to indicate the FSN.</i>			
		FX Facsimile			
		IT International Telephone			
		TE Telephone			
		<i>Use to indicate a commercial telephone number. Include the area code.</i>			
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>Use to identify a second communications number for the party cited in PER02. For example, if PER03/04 cites a telephone number, PER05/06 can be used to cite a FAX number.</i>		
		EM Electronic Mail		
		EX Telephone Extension		
				<i>Use only if PER03 is used citing code IT or TE.</i>
		FT Federal Telecommunications System (FTS)		
				<i>Use to indicate the FSN.</i>
		FX Facsimile		
		IT International Telephone		
		TE Telephone		
				<i>Use to indicate a commercial telephone number.</i>
				<i>Include the area code.</i>
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>Use to identify a third communications number for the party cited in PER02.</i>		
		EM Electronic Mail		
		EX Telephone Extension		
				<i>Use only if PER05 is used citing code IT or TE.</i>
		FT Federal Telecommunications System (FTS)		
				<i>Use to indicate the FSN.</i>
		FX Facsimile		
		IT International Telephone		
		TE Telephone		
				<i>Use to indicate a commercial telephone number.</i>
				<i>Include the area code.</i>
PER08	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130

Loop:

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify terms of sale

- Syntax Notes:**
- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
 - 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
 - 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes: 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.

Notes: 1. Use this 1/ITD/130 segment when the discount terms apply to all of the line items. If the discount terms vary by line item, use the 2/ITD/110 segment.

2. Discount terms must be the same as identified in the applicable award instrument unless the contractor is offering better discount terms.

2. Payment method was provided at time of registration. Changes to that data must be made by submitting a registration data change using the 838 transaction set.

3. Use only when a discount is applicable. Do not transmit this segment when a discount is not applicable

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>O</u> <u>ID</u> <u>2/2</u>
ITD01	336 Terms Type Code	
	Code identifying type of payment terms	
	<i>Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i>	
	03 Fixed Date	
	04 Deferred or Installment	
	05 Discount Not Applicable	
	08 Basic Discount Offered	
	09 Proximo	
	16 Prompt Payment Act	
	21 Fast Pay	
	<i>Use to indicate FAST PAY procedures are applicable only when that procedure has been authorized in the contract or order for which this invoice is being submitted.</i>	
	23 Payment Due Upon Receipt of Invoice	

		PP	Prepayment		
ITD02	333	Terms Basis Date Code		O ID 1/2	
		Code identifying the beginning of the terms period			
		<i>1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i>			
		<i>2. Use any code.</i>			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
ITD03	338	Terms Discount Percent		O R 1/6	
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date			
		<i>The amount shown is a percent, e.g., two and a half percent should be shown as 2.5 (two point five). Do not write the percent as .025.</i>			
ITD04	370	Terms Discount Due Date		X DT 6/6	
		Date payment is due if discount is to be earned			
		<i>Use to indicate the date for the discount when ITD01 is code 03.</i>			
ITD05	351	Terms Discount Days Due		X N0 1/3	
		Number of days in the terms discount period by which payment is due if terms discount is earned			
ITD07	386	Terms Net Days		O N0 1/3	
		Number of days until total invoice amount is due (discount not applicable)			
		<i>Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i>			
ITD08	362	Terms Discount Amount		O N2 1/10	
		Total amount of terms discount			
		<i>1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i>			
		<i>2. Use, if needed, to prevent differences that can result from rounding off methods.</i>			

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 DTM06 is required.
 - 2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: 1. Use this 1/DTM/140 segment to specify dates if they apply to all of the line items in the invoice. When the dates vary by line item, use the 2/DTM/150 segment.

2. Use two iterations of the segment when a range of dates (expressed as period start - period end, is required).

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	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	
		135	Booking	
			<i>Use to indicate the billing review period. When used, identify the period in DTM06/07.</i>	
		186	Invoice Period Start	
		187	Invoice Period End	
		193	Period Start	
			<i>Use to indicate the performance commencement date for a line item that is ordering a service.</i>	
		194	Period End	
			<i>Use to indicate the performance completion date for a line item that is ordering a service.</i>	
		266	Base	
			<i>Use to indicate a billing demand month. When used, cite the last date of the applicable month.</i>	
DTM02	373	Date		X DT 6/6
		Date (YYMMDD)		
DTM05	624	Century		O N0 2/2
		The first two characters in the designation of the year (CCYY)		
DTM06	1250	Date Time Period Format Qualifier		X ID 2/3
		Code indicating the date format, time format, or date and time format		

Segment: **FOB** F.O.B. Related Instructions
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment

Syntax Notes:
 1 If FOB03 is present, then FOB02 is required.
 2 If FOB04 is present, then FOB05 is required.
 3 If FOB07 is present, then FOB06 is required.
 4 If FOB08 is present, then FOB09 is required.

Semantic Notes:
 1 FOB01 indicates which party will pay the carrier.
 2 FOB02 is the code specifying transportation responsibility location.
 3 FOB06 is the code specifying the title passage location.
 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:
Notes: *This segment is not necessary when the order is for a service.*

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>M</u> <u>ID</u> <u>2/2</u>
Must Use	FOB01	146	Shipment Method of Payment
			Code identifying payment terms for transportation charges
		BP	Paid by Buyer <i>Use to indicate a Government Bill of Lading (GBL) was issued.</i>
		PE	Prepaid and Summary Bill <i>Use when transportation charges are to be prepaid by the seller, are not included in the unit price, and are to be invoiced periodically.</i>
		PP	Prepaid (by Seller) <i>Use to indicate that transportation charges are not included in the unit price but are prepaid and are added as a separate item on this invoice.</i>
		PS	Paid by Seller <i>Use to indicate transportation charges are included in the unit price.</i>

Segment: **AT** **Financial Accounting**
Position: 210
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To transmit financial accounting data
Syntax Notes: 1 If AT10 is present, then AT01 is required.
Semantic Notes:
Comments: 1 AT09 identifies unique local activity financial accounting information.
Notes: 1. Use this 1/AT/210 segment to identify the appropriation reimbursed and disbursed when the cited appropriation data applies to all line items. When the appropriation data varies by line item, use the 2/REF/120 segment.
 2. Only use when the purchase order contains appropriation data in the 1/AT/288 segment.
 3. Use data elements AT02, AT07, and AT09 to identify the long line accounting data as described in DFAS letter Oct. 27, 1995 titled "850 Purchase Order and 860 Purchase Order Change Request Element Standardization".

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use AT02	1282	Treasury Symbol Number	O AN 7/21
		Number identifying a department, fiscal year, treasury account number, and appropriation limit for a standard accounting classification coding structure	
AT03	1283	Budget Activity Number	O AN 1/16
		Number identifying an administrative subdivision of funds against which a transaction is to be charged for a standard accounting classification coding structure	
		<i>Data element is not used by DoD.</i>	
AT04	1284	Object Class Number	O AN 3/12
		Number identifying the nature of the goods or services acquired and a specific office or organization using resources for a standard accounting classification coding structure	
		<i>Data element is not used by DoD.</i>	
Must Use AT07	1287	Accountable Station Number	O AN 3/8
		Number identifying an office responsible for entering a financial transaction into the applicable accounting system for a standard accounting classification coding structure	
Must Use AT09	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	

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

- 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 ID's.
 - 2 IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes: *1. Use multiple iterations of this 2/IT1/010 loop to provide invoice data for a specific line item. Allowances or charges identifiable to a line item will be included in that line's 2/SAC/180 loop. Invoice level of allowances or charges, that is, allowances or charges not identifiable to a specific item or line of billing, will be included in the 3/SAC/040 loop.*

2. Use as many 235/234 pairs as necessary to describe the item being invoiced.

3. When billing for metered services, on accounts with more than one meter, each meter charge should be detailed in a separate iteration of the IT1 loop.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
IT101	350 Assigned Identification	O AN 1/11
	Alphanumeric characters assigned for differentiation within a transaction set	
	<i>1. Use to identify the CLIN, SUBCLIN, or ELIN or other number identifying the line item</i>	
	<i>2. If this is an invoice for credit card purchases, cite the credit card number to which the individual charges apply. Use the SLN loop to identify the transaction reference number and amount of the purchase.</i>	

	IT102	358	Quantity Invoiced	X R	1/10
			Number of units invoiced (supplier units) <i>When billing for metered services, the quantity invoiced is the number of units of meter usage. (e.g., 1,000 kilowatts).</i>		
	IT103	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 <i>1. Use to identify the unit of issue for the quantity listed in IT102.</i> <i>2. Use any appropriate code, but it must be the same unit of measure as cited in the applicable award instrument.</i> <i>3. An application program conversion table may be required to convert agency codes to codes used by ASC X12.</i> <i>4. Use the code SX, Shipment, when IT101 is a line item for prepaid transportation charges. Use the 2/SAC/180 segment when not prepaid and add.</i> Refer to 003050 Data Element Dictionary for acceptable code values.		
	IT104	212	Unit Price	X R	1/17
			Price per unit of product, service, commodity, etc. <i>Cite the contract or order unit price. In those cases where the line item was purchased without charge, cite the number "0".</i>		
	IT105	639	Basis of Unit Price Code	O ID	2/2
			Code identifying the type of unit price for an item Refer to 003050 Data Element Dictionary for acceptable code values.		
Must Use	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>1. Use only codes that were contained in the contract or order. For example, if the item being invoiced was ordered by its National Stock Number (code FS), use code FS followed by the National Stock Number of the item. Descriptions should be kept to a minimum essential to identify the item for payment purposes. While any code may be used, listed codes are preferred.</i> <i>2. IT106 through IT125 are used in pairs. For Example, IT106 will contain a qualifier code and IT107 will contain information related to the qualifying code. So, if IT106 is code FS then IT107 would carry the National Stock Number.</i> A8 Exhibit Line Item Number AK Refined Product Code <i>Use to indicate a petroleum product type.</i> CH Country of Origin Code CG Commodity Grouping Code		

Use to indicate a commodity code.

CL Color

CN Commodity Name

FS National Stock Number

The NSN shall be transmitted as a continuous set of numbers, and without dashes.

FT Federal Supply Classification

See Code Source 27 in the ASC X12 standards for the FSC codes.

IN Buyer's Item Number

KA Engineering Data List

KB Data Category Code

KF Item Type Number

LT Lot Number

MF Manufacturer

When used, cite the DUNS number of the manufacturer in the following data element.

MG Manufacturer's Part Number

When used, a second 235/234 pair must be used citing either code MF or ZB.

MM Motor Equipment Manufacturing Association (MEMA) Product Type Code

This code will be deleted unless a business case for its retention is provided.

MN Model Number

N1 National Drug Code in 4-4-2 Format

N2 National Drug Code in 5-3-2 Format

N3 National Drug Code in 5-4-1 Format

N4 National Drug Code in 5-4-2 Format

ND National Drug Code (NDC)

PD Part Number Description

Use to indicate a clear text description of an item.

PU Part Reference Number

RC Returnable Container No.

SN Serial Number

SV Service Rendered

Use to indicate a clear text description of a service being invoiced.

SW Stock Number

Use to indicate a local stock number.

SZ Vendor Alphanumeric Size Code (NRMA)

TP Product Type Code

Use to indicate a specific product type. Do not use for petroleum products; use code AK.

UD U.P.C./EAN Consumer Package Code
UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UN U.P.C. Case Code Number
VP Vendor's (Seller's) Part Number
ZB Commercial and Government Entity (CAGE)
Use, as applicable, to indicate a CAGE code when not otherwise a part of a cited manufacturer's part number.

Refer to 003050 Data Element Dictionary for acceptable code values.

IT107	234	Product/Service ID	X AN	1/40
		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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
IT109	234	Product/Service ID	X AN	1/40
		Identifying number for a product or service		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
IT111	234	Product/Service ID	X AN	1/40
		Identifying number for a product or service		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
IT113	234	Product/Service ID	X AN	1/40
		Identifying number for a product or service		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
IT115	234	Product/Service ID	X AN	1/40
		Identifying number for a product or service		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
IT117	234	Product/Service ID	X AN	1/40
		Identifying number for a product or service		
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)		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
IT119	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
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)			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
IT121	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
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)			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
IT123	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			
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)			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
IT125	234	Product/Service ID	X	AN	1/40
		Identifying number for a product or service			

Segment: **TXI** Tax Information

Position: 040

Loop: IT1

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 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.

Notes: Use this 2/TXI/040 segment only if taxes apply to a line item.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use TXI01	963	Tax Type Code	M	ID 2/2
		Code specifying the type of tax		
		<i>Use any code. Cited codes are preferred.</i>		
		CA City Tax		
		F1 FICA Tax		
		FD Federal Tax		
		FT Federal Excise Tax		
		GR Gross Receipts Tax		
		LO Local Tax		
		<i>Use to indicate local taxes</i>		
		LS State and Local Sales Tax		
		SA State Fuel Tax		
		SE State Excise Tax		
		<i>Use to indicate state excise tax</i>		
		SF Super fund		
		<i>Use to indicate the Super Fund Tax</i>		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
TXI02	782	Monetary Amount	X	R 1/15
		Monetary amount		
TXI03	954	Percent	X	R 1/10
		Percentage expressed as a decimal		
		<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>		
TXI07	662	Relationship Code	O	ID 1/1

Code indicating the relationship between entities

A Add

Use to indicate the tax amount is to be added to the invoice unit price.

I Included

Use to indicate the tax amount is already included in the invoice unit price.

TXI08

828

Dollar Basis For Percent

O R 1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

- Segment:** **PID** Product/Item Description
- Position:** 060
- Loop:** PID
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To describe a product or process in coded or free-form format
- Syntax Notes:**
- 1 If PID04 is present, then PID03 is required.
 - 2 At least one of PID04 or PID05 is required.
 - 3 If PID07 is present, then PID03 is required.
 - 4 If PID08 is present, then PID03 is required.
- Semantic Notes:**
- 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. A ``N" indicates it does not apply. Any other value is indeterminate.
- Comments:**
- 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``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.
- Notes:** *The use of this segment is discouraged. Use only for a clear text description when the product/service identification in 235/234 pairs in the IT1 segment is insufficient to describe the item or service being invoiced. Do not use when codes in IT106/07 can be used to describe the item or service being invoiced.*

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		F Free-form	
	PID05	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	
		<i>Use to identify the item description or job description.</i>	

- Segment:** **ITD** Terms of Sale/Deferred Terms of Sale
- Position:** 110
- Loop:** IT1
- Level:** Detail
- Usage:** Optional
- Max Use:** 2
- Purpose:** To specify terms of sale
- Syntax Notes:**
- 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
 - 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
 - 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
- Semantic Notes:**
- 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.
- Notes:**
1. Use this 2/ITD/110 segment when the discount terms vary by line item. If the discount applies to all of the line items, use the 1/ITD/130 segment.
 2. Discount terms must be the same as identified in the applicable award instrument unless the contractor is offering better discount terms.
 3. Use only when a discount is applicable. Do not transmit this segment when a discount is not applicable.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms	
		<i>Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i>	
		03 Fixed Date	
		04 Deferred or Installment	
		05 Discount Not Applicable	
		08 Basic Discount Offered	
		09 Proximo	
		16 Prompt Payment Act	
		21 Fast Pay	
		<i>Use to indicate FAST PAY procedures are applicable only when that procedure has been authorized in the contract or order for which this invoice is being submitted.</i>	
		23 Payment Due Upon Receipt of Invoice	
		PP Prepayment	
ITD02	333	Terms Basis Date Code	O ID 1/2

Code identifying the beginning of the terms period

1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.

2. Use any code.

Refer to 003050 Data Element Dictionary for acceptable code values.

ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date <i>The amount shown is a percent, e.g. two and a half percent should be shown as 2.5 (two point five). Do not write the percent as .025.</i>	
ITD04	370	Terms Discount Due Date	X DT 6/6
		Date payment is due if discount is to be earned	
ITD05	351	Terms Discount Days Due	X N0 1/3
		Number of days in the terms discount period by which payment is due if terms discount is earned	
ITD07	386	Terms Net Days	O N0 1/3
		Number of days until total invoice amount is due (discount not applicable) <i>Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i>	
ITD08	362	Terms Discount Amount	O N2 1/10
		Total amount of terms discount <i>1. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.</i> <i>2. Use, if needed, to prevent differences that can result from rounding off methods.</i>	

Segment: **REF** Reference Numbers
Position: 120
Loop: IT1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:
Notes: 1. Use this 2/REF/120 segment to identify reference numbers that vary by line item. When the reference numbers apply to all the line items in the invoice, use the 1/REF/110 segment.
 2. When the PAM segment is used, there must be at least one REF segment used with code AT cited in REF01.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		11 Account Number	
		12 Billing Account	
		14 Master Account Number	
		2I Tracking Number	
		46 Old Meter Number	
		55 Sequence Number	
		<i>Use to indicate a suffix number associated with a final shipment number (i.e., when transmitting the letter Z to indicate a final shipment). (Applicable to DoD invoices only.)</i>	
		79 Cost Account	
		80 Charge Number	
		AT Appropriation Number	
		<i>Use to identify the accounting/appropriation data of the billed activity when the data is applicable to the cited line item.</i>	
		AW Air Waybill Number	
		BL Government Bill of Lading	
		<i>Use to indicate the government bill of lading number.</i>	
		CA Cost Allocation Reference	
		E4 Charge Card Number	

Use to indicate the credit card number on an invoice for credit card charges.

- FS Final Sequence Number
Use, as applicable, to indicate the suffix number of a replacement shipment associated with a shipment number (i.e., when transmitting the letter A to indicate the first replacement shipment).
- IL Internal Order Number
- K5 Task Order
- MG Meter Number
- RB Rate code number
- RQ Purchase Requisition No.
Use to indicate the purchase requisition number which is the 14/15 position MILSTRIP requisition number (or other 14/15 position document number of non-MILSTRIP items) associated to the current line item.
- SE Serial Number
Use to indicate the item's serial number.
- SI Shipper's Identifying Number for Shipment (SID)
Use to indicate the vendor shipping number.
- ZZ Mutually Defined

Must Use REF02 127 Reference Number X AN 1/30
Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Segment: **DTM** Date/Time Reference

Position: 150

Loop: IT1

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes: **1** At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *1. Use two iterations of the segment when a range of dates (expressed as period start - period end, is required).*

2. Use this 2/DTM/150 segment to specify the dates of the line item data for the invoice. When the dates for all items are the same, use the 1/DTM/140 segment.

Data Element Summary

Ref.	Data	Element	Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007 Effective	
			<i>Use to indicate the effective date.</i>	
			011 Shipped	
			<i>Use to indicate the date the goods were shipped.</i>	
			035 Delivered	
			135 Booking	
			<i>Use to indicate a billing revenue period. When used, identify the period in DTM06/07.</i>	
			186 Invoice Period Start	
			187 Invoice Period End	
			193 Period Start	
			<i>Use to indicate the performance commencement date for a line item that is ordering a service.</i>	
			194 Period End	
			<i>Use to indicate the performance completion date for a line item that is ordering a service.</i>	
			266 Base	
			<i>Use to indicate a billing demand month. When used, cite the last date of the applicable month.</i>	
			321 Purchased	
DTM02		373	Date	X DT 6/6
			Date (YYMMDD)	

DTM05	624	Century	O N0 2/2
		The first two characters in the designation of the year (CCYY)	
DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
		Code indicating the date format, time format, or date and time format	
		<i>1. Use any code.</i>	
		<i>2. Use to qualify a date when it is necessary to express the date in other than YYYYMMDD format. Use also, to qualify a range of dates when DTM01 is code 135.</i>	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
DTM07	1251	Date Time Period	X AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times	
		<i>When DTM01 is code 135, use to identify a range of dates that constitute a billing period. For example, when DTM01 is code 135, DTM06 may cite code RDM and DTM07 would cite 950101-0331.</i>	

Segment: **CAD** Carrier Detail
Position: 160
Loop: IT1
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:

Notes: 1. Use only when a different type of transportation method is used than identified in the purchase order.

2. Use this 2/CAD/160 segment to identify the transportation data that vary by line item. When the transportation information applies to all line items in the invoice, use the 3/CAD/030 segment.

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	
		1. Use to indicate the transportation method/type code for the line items.	
		2. An application program conversion table may be required to convert agency codes to codes used by ASC X12.	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Must Use	CAD05	387 Routing	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
		Always cite the number 1. This data element is used to satisfy an X12 syntax requirement. The data, (i.e., the number 1), shall not be processed by the receiving application program.	

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 180
Loop: SAC
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.

- 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.

- 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.

Notes: 1. Use this 2/SAC/180 segment to identify charges that apply to a line item. If the charges apply to all of the line items, use the 3/SAC/040 segment.

2. Use also to identify the amount of the line item total invoice amount that is to be applied to the accounting data cited in SAC15.

Data Element Summary

Ref.	Data		Attributes
Des.	Element	Name	
Must Use	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
 N No Allowance or Charge

Use to indicate that the amount cited in SAC05 is to be applied to the accounting data identified in SAC15.

SAC02 1300 Service, Promotion, Allowance, or Charge Code X ID 4/4
 Code identifying the service, promotion, allowance, or charge
Any code may be used except those referring to taxes which should be carried in the TXI segment.

*F460 Postage
 F650 Preparation
 Use to indicate packing, crating and handling.
 I170 Trade Discount
 I260 Transportation Direct Billing
 ZZZZ Mutually Defined*

Use to indicate the amount cited in SAC05 is to be applied to the accounting data identified in SAC15.

Refer to 003050 Data Element Dictionary for acceptable code values.

SAC05 610 Amount O N2 1/15
 Monetary amount

1. Use to identify the amount of the allowance or charge.

2. When SAC02 is code ZZZZ, cite the line item invoiced amount that is to be applied to the accounting data identified in SAC15.

SAC06 378 Allowance/ Charge Percent Qualifier X ID 1/1
 Code indicating on what basis allowance or charge percent is calculated
 Refer to 003050 Data Element Dictionary for acceptable code values.

SAC07 332 Percent X R 1/6
 Percent expressed as a percent

The amount shown is a percentage, e.g. two and a half percent should be shown as 2.5 (two point five). Do not write as .025.

SAC08 118 Rate O R 1/9
 Rate expressed in the standard monetary denomination for the currency specified

Use to identify the allowance or charge rate per unit.

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

Refer to 003050 Data Element Dictionary for acceptable code values.

SAC10 380 Quantity X R 1/15
 Numeric value of quantity

Use to identify the quantity to which the amount cited in SAC05 applies. SAC10/11 can be used together to specify a quantity range to which the

amount in SAC05 applies.

SAC11	380	Quantity	O R 1/15
		Numeric value of quantity	
		<i>Use only if SAC10 is used. SAC10/11 can be used together to specify a quantity range.</i>	
SAC15	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
		<i>1. Use only when additional clarification of SAC02 is required.</i>	
		<i>2. When SAC02 is code ZZZZ, identify the accounting data against which the amount cited in SAC05 is to be applied.</i>	

Segment: **TXI** Tax Information

Position: 190

Loop: SAC

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 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.

Notes: Use this 2/TXI/190 segment only if taxes to the cited charge amounts.

Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
Must Use TXI01	963	Tax Type Code	M	ID	2/2
		Code specifying the type of tax			
		<i>Use any code. Cited codes are preferred.</i>			
		CA City Tax			
		F1 FICA Tax			
		FD Federal Tax			
		FT Federal Excise Tax			
		GR Gross Receipts Tax			
		LO Local Tax			
		<i>Use to indicate local taxes</i>			
		LS State and Local Sales Tax			
		SA State Fuel Tax			
		SE State Excise Tax			
		<i>Use to indicate state excise tax</i>			
		SF Super fund			
		<i>Use to indicate the Super Fund Tax</i>			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
TXI02	782	Monetary Amount	X	R	1/15
		Monetary amount			
TXI03	954	Percent	X	R	1/10
		Percentage expressed as a decimal			
		<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>			
TXI07	662	Relationship Code	O	ID	1/1

Segment: **SLN** Subline Item Detail

Position: 200

Loop: SLN

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

- 1 If SLN07 is present, then SLN06 is required.
- 2 If SLN08 is present, then SLN06 is required.
- 3 If either SLN09 or SLN10 is present, then the other is required.
- 4 If either SLN11 or SLN12 is present, then the other is required.
- 5 If either SLN13 or SLN14 is present, then the other is required.
- 6 If either SLN15 or SLN16 is present, then the other is required.
- 7 If either SLN17 or SLN18 is present, then the other is required.
- 8 If either SLN19 or SLN20 is present, then the other is required.
- 9 If either SLN21 or SLN22 is present, then the other is required.
- 10 If either SLN23 or SLN24 is present, then the other is required.
- 11 If either SLN25 or SLN26 is present, then the other is required.
- 12 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

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

Comments:

- 1 See the Data Dictionary for a complete list of ID's.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes: *Use to identify the portion of the invoice which is attributed to Government Furnished Material.*

Data Element Summary

Ref.	Data	Element	Name	Attributes
Must Use	SLN01	350	Assigned Identification	M AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	SLN03	662	Relationship Code	M ID 1/1
			Code indicating the relationship between entities	
			O Information Only	
Must Use	SLN04	380	Quantity	M R 1/15

			Numeric value of quantity			
Must Use	SLN05	355	Unit or Basis for Measurement Code	M	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	SLN06	212	Unit Price	X	R	1/17
			Price per unit of product, service, commodity, etc.			
	SLN07	639	Basis of Unit Price Code	O	ID	2/2
			Code identifying the type of unit price for an item			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	SLN09	235	Product/Service ID Qualifier	X	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			Refer to 003050 Data Element Dictionary for acceptable code values.			
	SLN10	234	Product/Service ID	X	AN	1/40
			Identifying number for a product or service			

Segment: **N1** Name
Position: 240
Loop: N1
Level: Detail
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.

Notes: 1. *Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/4 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a contractor can be identified by a DUNS number, it is not necessary to transmit the contractor's full address since the relationship between the DUNS number and the contractor's address can be established by accessing a data base in which the information is stored, having been put there at the time the contractor electronically registered as a federal government trading partner.*

2. *Use this 2/N1/240 loop to identify information pertaining to the line item. If the information applies to all of the line items, use the 1/N1/070 loop.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			MQ Metering Location	
			ST Ship To	
			<i>Use to indicate the address to which an item must be shipped. If the ship-to address is an FPO or APO, cite the FPO or APO zip code in N403, cite code AR in N405, and cite the two letter identifier (AA for Miami, AE for New York, AP for San Francisco) in N406.</i>	
			SV Service Performance Site	
			<i>Use to indicate the location where a service was performed.</i>	
	N102	93	Name	X AN 1/35
			Free-form name	
			<i>Use only when N101 is either code ST or code SV to provide a text name.</i>	

Do not use when the ship-to address can be identified by a code in N103/04. If the ship-to address is an APO or FPO, Cite APO or FPO as appropriate.

Must Use N103

66 Identification Code Qualifier X ID 1/2

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

While the federal EDI program uses the DUNS number, DoD users of this implementation convention may require the use of other and additional numbers for a transition period in order to cross reference existing data bases.

- 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)
- 33 Commercial and Government Entity (CAGE)
- 91 Assigned by Seller or Seller's Agent
- 92 Assigned by Buyer or Buyer's Agent
- A2 Military Assistance Program Address Code (MAPAC)
- FA Facility Identification
Use to identify the vendor facility that cannot be identified by either a DoDAAC, CAGE or DUNS number.
- FI Federal Taxpayer's Identification Number

Must Use N104

67 Identification Code X AN 2/20

Code identifying a party or other code

Segment: **N2 Additional Name Information**

Position: 250

Loop: N1

Level: Detail

Usage: Optional

Max Use: 2

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

Syntax Notes:

Semantic Notes:

Comments:

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use, as applicable, with codes ST or SV in 2/N101/240, to provide the necessary identification for the payment.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use N201	93 Name Free-form name	M AN 1/35
N202	93 Name Free-form name	O AN 1/35

Segment: **N3** Address Information

Position: 260

Loop: N1

Level: Detail

Usage: Optional

Max Use: 2

Purpose: To specify the location of the named party

Syntax Notes:

Semantic Notes:

Comments:

Notes: *1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*

2. Use, as applicable, with codes ST or SV in 2/N101/240, to provide the necessary identification for the payment.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N301	166 Address Information Address information	M AN 1/35
	N302	166 Address Information Address information	O AN 1/35

Segment: **N4 Geographic Location**
Position: 270
Loop: N1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
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 USA or Canada.
Notes: 1. *This segment is not necessary when the cited party can be identified by a code value in N101/03/04.*
 2. *Use, as applicable, with codes ST or SV in 2/N101/240, to provide the necessary identification for the payment.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
N401	19	City Name	O	AN 2/30
		Free-form text for city name		
N402	156	State or Province Code	O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	Postal Code	O	ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	26	Country Code	O	ID 2/3
		Code identifying the country		
		<i>An application program conversion table may be required to convert agency codes to ASC X12 codes.</i>		
N405	309	Location Qualifier	X	ID 1/2
		Code identifying type of location		
		AR Armed Services Location Designation		
		<i>Use to indicate an Army Post Office (APO) or a Fleet Post Office (FPO).</i>		
N406	310	Location Identifier	O	AN 1/30
		Code which identifies a specific location		

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.

Notes: *There is no need to transmit either the currency symbol (e.g., the dollar sign \$), commas separating thousands, or the decimal point because the amount data elements are N2 types which means that there are two decimal places implied in every transmitted number. When using, be sure to follow all whole numbers with two zeros to account for the implied two decimal places.*

Data Element Summary

Ref.	Data		Attributes
Des.	Element	Name	
Must Use	TDS01	610 Amount	M N2 1/15
		Monetary amount	
	TDS02	610 Amount	O N2 1/15
		Monetary amount	
		<i>Use to identify the total amount of the invoice subject to discounts (which may vary by line item). Use is required if the dollar value subject to the terms discount is not equal to the dollar value cited in TDS01.</i>	
	TDS03	610 Amount	O N2 1/15
		Monetary amount	
		<i>Use to identify the total amount of the invoice minus allowances and discounts and plus the charges, as applicable.</i>	
	TDS04	610 Amount	O N2 1/15
		Monetary amount	
		<i>Use to identify the terms discount total amount applicable to the invoice.</i>	

Segment: **TXI** Tax Information

Position: 020

Loop:

Level: Summary

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 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.

Notes: Use this 3/TXI/020 segment to identify the total tax amount applicable to the total invoiced amount.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use TXI01	963 Tax Type Code Code specifying the type of tax <i>Use any code. Cited codes are preferred.</i> CA City Tax F1 FICA Tax FD Federal Tax FT Federal Excise Tax GR Gross Receipts Tax LO Local Tax <i>Use to indicate local taxes</i> LS State and Local Sales Tax SA State Fuel Tax SE State Excise Tax <i>Use to indicate state excise tax</i> SF Super fund <i>Use to indicate the Super Fund Tax</i> Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
TXI02	782 Monetary Amount Monetary amount	X R 1/15
TXI03	954 Percent Percentage expressed as a decimal <i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	X R 1/10

TXI07 **662** **Relationship Code** **O ID 1/1**

Code indicating the relationship between entities

A Add

Use to indicate the total tax amount that must be added to the total invoice amount.

I Included

Use to indicate the total tax amount is already included in the invoice total amount.

TXI08 **828** **Dollar Basis For Percent** **O R 1/9**

Dollar basis to be used in the percent calculation of the allowance, charge or tax

Segment: **CAD** Carrier Detail
Position: 030
Loop:
Level: Summary
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:

Notes: 1. Use only when a different type of transportation method is used than identified in the purchase order.

2. Use this 3/CAD/030 segment to identify transportation information that applies to all line items. When the transportation information varies by line item, use the 2/CAD/160 segment.

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	
		1. Use to indicate the transportation method/type code for the line items.	
		2. An application program conversion table may be required to convert agency codes to codes used by ASC X12.	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
Must Use CAD05	387	Routing	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
		Always cite the number 1. This data element is used to satisfy an X12 syntax requirement. The data shall not be processed by the receiving application program.	

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC
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.

- 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.

- 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.

Notes: Use the 3/SAC/040 segment to identify total charges that are not being invoiced as a line item. These amounts are included in the TDS segment.

Data Element Summary

Ref.	Data		Attributes
Des.	Element	Name	
Must Use 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
Use any code except those that are tax related. Those codes should be carried in the TXI segment.

Refer to 003050 Data Element Dictionary for acceptable code values.

SAC05	610	Amount	O N2 1/15
		Monetary amount	
		<i>Use to identify the amount of the allowance or charge.</i>	
SAC06	378	Allowance/ Charge Percent Qualifier	X ID 1/1
		Code indicating on what basis allowance or charge percent is calculated	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
SAC07	332	Percent	X R 1/6
		Percent expressed as a percent	
		<i>The amount shown is a percent, e.g. two and a half percent should be shown as 2.5 (two point five). Do not write the percent as .025.</i>	
SAC08	118	Rate	O R 1/9
		Rate expressed in the standard monetary denomination for the currency specified	
		<i>Use to identify the allowance or charge rate per unit.</i>	
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	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
SAC10	380	Quantity	X R 1/15
		Numeric value of quantity	
		<i>Use to identify the quantity to which the amount cited in SAC05 applies. SAC10/11 can be used together to specify a quantity range to which the amount in SAC05 applies.</i>	
SAC11	380	Quantity	O R 1/15
		Numeric value of quantity	
		<i>Use only if SAC10 is used. SAC10/11 can be used together to specify a quantity range.</i>	
SAC15	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
		<i>Use only when additional clarification of codes in SAC02 is required.</i>	

Segment: **TXI** Tax Information

Position: 050

Loop: SAC

Level: Summary

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

Semantic Notes: 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.

Notes: *Use this 3/TXI/050 segment to identify total taxes applicable to total charge amounts. These amounts are included in TDS segment.*

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use TXI01	963 Tax Type Code Code specifying the type of tax <i>Use any code. Cited codes are preferred.</i> CA City Tax F1 FICA Tax FD Federal Tax FT Federal Excise Tax GR Gross Receipts Tax LO Local Tax <i>Use to indicate local taxes</i> LS State and Local Sales Tax SA State Fuel Tax SE State Excise Tax <i>Use to indicate state excise tax</i> SF Super fund <i>Use to indicate the Super Fund Tax</i> Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
TXI02	782 Monetary Amount Monetary amount	X R 1/15
TXI03	954 Percent Percentage expressed as a decimal <i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	X R 1/10

TXI07 662 Relationship Code O ID 1/1

Code indicating the relationship between entities

A Add

Use to indicate the total tax amount applicable to the total charges that must be added to the total invoice amount.

I Included

Use to indicate the total tax amount applicable to the total charges that is already included in the total invoice amount.

TXI08 828 Dollar Basis For Percent O R 1/9

Dollar basis to be used in the percent calculation of the allowance, charge or tax

Segment: **CTT Transaction Totals**

Position: 070

Loop:

Level: Summary

Usage: Mandatory

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.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use CTT01	354	Number of Line Items	M	N0 1/6
		Total number of line items in the transaction set		
		<i>Use to indicate the number of times the IT1 loop was used in the transaction set.</i>		
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.

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. Des.	Data		Attributes
		Element	Name	
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	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 that is contained in ST02.</i>	