



EDI Specifications

X12 4010 810

Invoice

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810

Invoice

Functional Group = IN

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

Heading

Pos	ID	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Required
	GS	Functional Group Header	M	1			Required
010	ST	Transaction Set Header	M	1			Required
020	BIG	Beginning Segment for Invoice	M	1			Required

N1 LOOP					200	
070	N1	Name	M	1		Required
080	N3	Address Information	O	1		Required
090	N4	Geographic Information	O	1		Required

130	ITD	Terms of Sale/Deferred Terms	M	1		Required
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Detail

Pos	ID	Segment Name	Req	Max Use	Repeat	Notes	Usage
IT1 LOOP					200000		
010	IT1	Baseline Item Data (Invoice)	M	1			Required
060	PID	Product/Item Description	M	1	1000		Required
180	SAC	Allowance, Charge, or Service	C	1	25		Conditional

Summary:

Pos	ID	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	TDS	Total Monetary Value Summary	M	1			Required
040	SAC	Service, Promo, Allowance, Charge Info	C	1	25		Optional
060	ISS	Invoice Shipment Summary	O	1			Required
060	ISS	Invoice Shipment Summary	O	1			Required
080	SE	Transaction Set Trailer	M	1			Required
MM	GE	Functional Group Trailer	M	1			Required
	IEA	Interchange Control Segment Trailer	M	1			Required

ISA

Interchange Control Header

Pos:	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 16

User Option: Required

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

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Required
		Description: Code to identify the type of information in the Authorization Information.				
		Code		Name		
		00		No Authorization Information Present (No Meaningful Information in I02)		
ISA02	I02	Authorization Information	M	AN	10/10	Required
		Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange. The type of information is set by the Authorization Information Qualifier (I01).				
ISA03	I03	Security Information Qualifier	M	ID	2/2	Required
		Description: Code to identify the type of information in the Security Information.				
		Code		Name		
		00		No Authorization Information Present (No Meaningful Information in I04)		
ISA04	I04	Security Information	M	AN	10/10	Required
		Description: This is used for identifying the security information about the interchange sender or the data in the interchange. The type of information is set by the Security Information Qualifier (I03)				
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Required
		Description: Code to identify the type of information in the Security Information.				
		Code		Name		
		?		Sender's ISA qualifier		
ISA06	I06	Interchange Sender ID	M	AN	15/15	Required
		Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them. The sender always codes this value in the sender ID element.				
		Code		Name		
		?		Sender's ISA ID		

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ISA07	I07	Interchange ID Qualifier	M	ID	2/2	Required
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.						
Code Name						
12 Telephone						
01 Duns (Dun & Bradstreet)						
ISA08	I08	Interchange Receiver ID	M	AN	15/15	Required
Description: Identification code published by the receiver of the data. When sending, it is used by the sender as their sending ID. Thus, other parties sending to them will use this as a receiving ID to route data to them.						
Code Name						
5159656100 Telephone						
5159656200 Telephone						
022010664 Duns (Dun & Bradstreet)						
ISA09	I09	Interchange Date	M	DT	6/6	Required
Description: Date of the interchange.						
ISA10	I10	Interchange Time	M	TM	4/4	Required
Description: Time of the interchange.						
ISA11	I11	Interchange Control Standards Identifier	M	ID	1/1	Required
Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.						
Code Name						
U U.S. EDI Community of ASC X12, TDCC, and UCS						
ISA12	I12	Interchange Control Version Number	M	ID	5/5	Required
Description: Code specifying the version number of the interchange control segments.						
Code Name						
00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997.						
ISA13	I13	Interchange Control Number	M	N0	9/9	Required
Description: A control number assigned by the interchange sender						
ISA14	I14	Acknowledgement Requested	M	ID	1/1	Required
Description: Code sent by the sender to request and interchange acknowledgement.						
Code Name						
0 or 1 0 = No acknowledgement needed. 1 = Acknowledgement requested						
ISA15	I15	Usage Indicator	M	ID	1/1	Required
Description: Code to indicate whether data enclosed by this interchange envelope is test, production, or information.						
Code Name						
P or T P = Production Data. T = Test Data						

ISA16	I16	Component Element Separator	M	AN	1/1	Required
Description: Type is not applicable. The component element separator is a delimiter and not a data element. This field provides delimiter used to separate component data elements within a composite data structure. This value must be different than the data element separator and the segment terminator.						
		Code	Name			
		*	Asterisk			

GS**Functional Group Header**

Pos:	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 8

User Option: Required**Purpose:** To indicate the beginning of a functional group and to provide control information.**Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Required
Description: Code identifying a group of application related transaction sets.						
		Code	Name			
		IN	Invoice Information (810)			
GS02	142	Application Sender's Code	M	AN	2/15	Required
Description: Code identifying party sending transmission. Codes agreed to by trading partners.						
		Code	Name			
		???	Sender's GS ID			
GS03	124	Application Receiver's Code	M	AN	2/15	Required
Description: Code identifying party receiving transmission. Codes agreed to by trading partners.						
		Code	Name			
		5159656100	Telephone			
		5159656200	Telephone			
		022010664	Duns (Dun & Bradstreet)			
GS04	373	Date	M	DT	8/8	Required
Description: Date expressed as CCYYMMDD.						
GS05	337	Time	M	TM	4/8	Required
Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD. Where H = Hours (00-23), M = Minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds. Decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99).						
GS06	28	Group Control Number	M	N0	1/9	Required

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Description: Assigned number originated and maintained by the sender.

GS07 455 **Responsible Agency Code** M ID 1/2 Required

Description: Code identifying the issuer of the standard. This code is used in conjunction with Data Element 480

<u>Code</u>	<u>Name</u>
X	Accredited Standards Committee X12

GS08 480 **Version / Release / Industry Identifier Code** M AN 1/12 Required

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments. If code in DE455 in GS segment is X, then in DE480 positions 1-3 are the version number, positions 4-6 are the release and subrelease, level of the version, and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user). If code in DE455 in GS segment is T, then other formats are allowed.

<u>Code</u>	<u>Name</u>
004010	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997.

ST

Transaction Set Header

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

User Option: Required

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

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Required

Description: Code uniquely identifying a Transaction Set

<u>Code</u>	<u>Name</u>
810	Invoice

ST02 329 **Transaction Set Control Number** M AN 4/9 Required

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.

BIG

Beginning Segment for Invoice

Pos: 020	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 4

User Option: Required

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

Element Summary:

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<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Invoice Date Description: Date expressed as CCYYMMDD	M	ID	8/8	Required
BIG02	76	Invoice Number Description: Identifying number assigned by issuer.	M	AN	1/22	Required
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Required
BIG07	640	Transaction Type Code Description: Code specifying the type of transaction	M	ID	2/2	Optional

N1

Name

Pos: 070	Max: 200
Heading – Mandatory	
Loop: N1	Elements: 4

User Option: Required

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/M</u> <u>ax</u>	<u>Usage</u>										
N101	98	Entity Identifier Code Description: Code specifying the type of both date and time <table border="0"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>VN</td> <td>Vendor</td> </tr> <tr> <td>SF</td> <td>Ship From</td> </tr> <tr> <td>BT</td> <td>Bill To</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> </table>	Code	Name	VN	Vendor	SF	Ship From	BT	Bill To	ST	Ship To	M	ID	2/3	Required
Code	Name															
VN	Vendor															
SF	Ship From															
BT	Bill To															
ST	Ship To															
N102	93	Name Description: Free-Form Name	C	AN	1/60	Required										
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code <table border="0"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>1</td> <td>D-U-N-S Number, Dun & Bradstreet</td> </tr> <tr> <td>9</td> <td>D-U-N-S+4, D-U-N-S Number with Four Character Suffix</td> </tr> </table>	Code	Name	1	D-U-N-S Number, Dun & Bradstreet	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	C	ID	1/2	Conditional				
Code	Name															
1	D-U-N-S Number, Dun & Bradstreet															
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix															
N104	67	Identification Code	C	AN	2/80	Conditional										

Description: 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.

N3 Address Information

Pos: 090	Max: 2
Heading – Mandatory	
Loop: N1	Elements: 3

User Option: Required

Purpose: To specify the location of the named party

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
N301	166	Address Information Description: Address Information	M	AN	1/35	Required
N302	166	Address Information Description: Address Information	O	AN	1/55	Optional

N4 Geographic Information

Pos: 100	Max: 1
Heading – Mandatory	
Loop: N1	Elements: 3

User Option: Required

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Required
A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.						
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Required

N402 is required only if city name (N401) is in the U.S. or Canada.

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N403 116

Postal Code

O

ID

3/15

Required

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

ITD

Terms of Sale/Deferred Terms

Pos: 130	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 5

User Option: If discount terms are defined

Purpose: To specify terms of sale

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD04	370	Terms Discount Due Date Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD	C	AN	8/8	Required
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned	O	N0	Optional	Optional
ITD06	446	Terms Net Due Date Description: Date when total invoice amount becomes due expressed in format CCYYMMDD	O	DT	8/8	Required
ITD08	362	Terms Discount Amount Description: Total amount of terms discount L08040513: If ITD-08 is present, then at least one of ITD-04, ITD-05 or ITD-13 is required	O	N2	1/10	Required
ITD12	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Optional

IT1 Loop Baseline Item Data (Invoice)

Pos: 010	Max: 200000
Detail - Mandatory	
Loop: IT1 Loop	Elements: 5

User Option: Required

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

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage						
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	C	R	1/10	Required						
IT103	355	P020304: If either IT1-02, IT1-03 or IT1-04 are present, then the others are required Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Required						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>CA</td> <td>Case</td> </tr> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>	Code	Name	CA	Case	EA	Each				
Code	Name											
CA	Case											
EA	Each											
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	DR	1/17	Required						
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) P0607: If either IT1-06 or IT1-07 is present, then the other is required. 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.	C	ID	2/2	Optional						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>UA</td> <td>U.P.C./EAN Case Code (2-5-5)</td> </tr> </tbody> </table>	Code	Name	UA	U.P.C./EAN Case Code (2-5-5)						
Code	Name											
UA	U.P.C./EAN Case Code (2-5-5)											
IT107	234	Product/Service ID Description: A free-form description to clarify the related data elements and their content	C	AN	1/48	Conditional						
IT108	235	Product/Service ID Qualifier	C	ID	2/2	Optional						
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

P0607: If either IT1-06 or IT1-07 is present, then the other is required.

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.

Code **Name**

PI Purchaser's Item Code

IT109	234	Product/Service ID	C	AN	1/48	Conditional
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Description: A free-form description to clarify the related data elements and their content

IT110	235	Product/Service ID Qualifier	C	ID	2/2	Optional
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

P0607: If either IT1-06 or IT1-07 is present, then the other is required.

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.

Code **Name**

UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)

IT111	234	Product/Service ID	C	AN	1/48	Conditional
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Description: A free-form description to clarify the related data elements and their content

IT112	235	Product/Service ID Qualifier	C	ID	2/2	Optional
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

P0607: If either IT1-06 or IT1-07 is present, then the other is required.

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.

Code **Name**

UP U.P.C./EAN Shipping Container Code (1-2-5-5-1)

IT113	234	Product/Service ID	C	AN	1/48	Conditional
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Description: A free-form description to clarify the related data elements and their content

IT114	235	Product/Service ID Qualifier	C	ID	2/2	Optional
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

P0607: If either IT1-06 or IT1-07 is present, then the other is required.

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.

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IT115	234	Product/Service ID	C	AN	1/48	Conditional
Description: A free-form description to clarify the related data elements and their content						
IT116	235	Product/Service ID Qualifier	C	ID	2/2	Optional
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
P0607: If either IT1-06 or IT1-07 is present, then the other is required.						
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.						
IT117	234	Product/Service ID	C	AN	1/48	Conditional
Description: A free-form description to clarify the related data elements and their content						
IT118	235	Product/Service ID Qualifier	C	ID	2/2	Optional
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
P0607: If either IT1-06 or IT1-07 is present, then the other is required.						
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.						
IT119	234	Product/Service ID	C	AN	1/48	Conditional
Description: A free-form description to clarify the related data elements and their content						
IT120	235	Product/Service ID Qualifier	C	ID	2/2	Optional
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
P0607: If either IT1-06 or IT1-07 is present, then the other is required.						
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.						
IT121	234	Product/Service ID	C	AN	1/48	Conditional
Description: A free-form description to clarify the related data elements and their content						
IT122	235	Product/Service ID Qualifier	C	ID	2/2	Optional
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
P0607: If either IT1-06 or IT1-07 is present, then the other is required.						
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.						
IT123	234	Product/Service ID	C	AN	1/48	Conditional

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Description: A free-form description to clarify the related data elements and their content

PID Loop Product/Item Description

Pos: 060	Max: 1000
Detail – Mandatory	
Loop: PID	Elements: 2

User Option: Required

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

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PID01	349	Item Description Type Description: Code indicating the format of a description If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. <table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>F</td><td>Free-Form</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	F	Free-Form	M	ID	1/1	Required
<u>Code</u>	<u>Name</u>									
F	Free-Form									
PID05	352	Description Description: A free-form description to clarify the related data elements and their content.	O	AN	1/80	Conditional				

SAC

Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 25
Detail – Conditional	
Loop: SAC	Elements: 8

User Option: Mandatory

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

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage						
SAC01	248	Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the service specified If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. <table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Allowance</td> </tr> <tr> <td>C</td> <td>Charge</td> </tr> </tbody> </table>	Code	Name	A	Allowance	C	Charge	M	ID	4/4	Required
Code	Name											
A	Allowance											
C	Charge											
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code identifying the service, promotion, allowance, or charge R0203: At least one of SAC-02 or SAC-03 is required	C	AN	1/7	Optional						
SAC05	610	Amount Description: Monetary amount SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.	O	N2	1/15	Required						
SAC08	118	Rate Description: Rate expressed in the standard monetary denomination for the currency specified SAC08 is the allowance or charge rate per unit.	O	R	1/9	Optional						
SAC09	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken P0910: If either SAC-09 or SAC-10 is present, then the other is required	C	ID	2/2	Optional						
SAC10	380	Quantity	O	R	1/9	Optional						
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Description: Numeric value of quantity

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. 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.

SAC12 331 **Allowance or Charge Method of Handling Code** O ID 2/2 Optional

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

SAC15 352 P0910: If either SAC-09 or SAC-10 is present, then the other is required
Description C AN 1/80 Optional

Description: A free-form description to clarify the related data elements and their content

SUMMARY

TDS

Total Monetary Value Summary

Pos: 180 Max: 25
Detail – Conditional
Loop: SAC Elements: 8

User Option: Mandatory

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

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
TDS01	610	Amount Description: Monetary amount TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).	M	N2	1/15	Required
TDS02	610	Amount Description: Monetary amount TDS02 indicates the amount upon which the terms discount amount is calculated. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.	O	N2	1/15	Optional

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TDS03 610 **Amount** O N2 1/15 Optional

Description: Monetary amount

TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).

TDS04 610 **Amount** O N2 1/15 Optional

Description: Monetary amount

TDS04 indicates the total amount of terms discount.

SAC

Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 25
Detail – Conditional	
Loop: SAC	Elements: 8

User Option: Mandatory

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

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
SAC01	248	Allowance or Charge Indicator	M	ID	4/4	Required
		Description: Code which indicates an allowance or charge for the service specified				
		If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.				
		<u>Code</u>		<u>Name</u>		
		A		Allowance		
		C		Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	C	AN	1/7	Optional
		Description: Code identifying the service, promotion, allowance, or charge				
		R0203: At least one of SAC-02 or SAC-03 is required				
SAC05	610	Amount	O	N2	1/15	Required
		Description: Monetary amount				
		SAC05 is the total amount for the service, promotion, allowance, or charge.				
		If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.				
SAC08	118	Rate	O	R	1/9	Optional
		Description: Rate expressed in the standard monetary denomination for the currency specified				
		SAC08 is the allowance or charge rate per unit.				
SAC09	355	Unit or Basis for Measurement Code	C	ID	2/2	Optional

01/02/2025

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

SAC10 380 P0910: If either SAC-09 or SAC-10 is present, then the other is required
Quantity O R 1/9 Optional

Description: Numeric value of quantity

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. 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.

SAC12 331 **Allowance or Charge Method of Handling Code** O ID 2/2 Optional

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

P0910: If either SAC-09 or SAC-10 is present, then the other is required

SAC15 352 **Description** C AN 1/80 Optional

Description: A free-form description to clarify the related data elements and their content

ISS

Invoice Shipment Summary

Pos: 060	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option: Required

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
ISS01	382	Number of Units Shipped	M	R	1/10	Required
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set				
		R010305: At least one of ISS-01, ISS-03 or ISS-05 is required				
		P0102: If either ISS-01 or ISS-02 is present, then the other is required				
ISS02	355	Unit or Basis for Measurement Code	C	ID	2/2	Conditional
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.				

SE

Transaction Set Trailer

Pos: 020	Max: 1
Summary – Mandatory	
Loop: N/A	Elements: 2

User Option: Required

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

Element Summary:

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

GE

Functional Group Trailer

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

User Option: Required

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

Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Required
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.				
GE02	28	Group Control Number	M	N0	1/9	Required
		Description: Assigned number originated and maintained by the sender. GE02 must be equal to the value provided in GS06.				

IEA**Interchange Control Trailer**

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

User Option: Required**Purpose:** To Define the end of an interchange of zero or more functional groups and interchange-related control segments.**Element Summary:**

Ref	ID	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Required
		Description: A count of the number of functional groups included in an interchange.				
IEA02	I12	Interchange Control Number	M	N0	9/9	Required
		Description: A control number assigned by the interchange sender. IEA02 must be equal to the value provided in ISA13.				