

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.

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
	050	REF	Reference Identification	O	12		
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		
	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		

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		
	030	IT3	Additional Item Data	O	5		
	059	MEA	Measurements	O	40		
LOOP ID - PID						1000	
	060	PID	Product/Item Description	O	1		
	120	REF	Reference Identification	O	>1		

Summary:

	<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>
M	010	TDS	Total Monetary Value Summary	M	1		
	030	CAD	Carrier Detail	O	1		
LOOP ID - SAC						25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	070	CTT	Transaction Totals	O	1		n1
M	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

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

Data Element Summary

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

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

Syntax Notes:

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

- Comments:**
- 1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	BIG01	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
M	BIG02	76	Invoice Number	M AN 1/22
			Identifying number assigned by issuer	
	BIG03	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
	BIG04	324	Purchase Order Number	O AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
	BIG07	640	Transaction Type Code	O ID 2/2
			Code specifying the type of transaction	
			DR Debit Memo	
			PR Product (or Service)	
	BIG08	353	Transaction Set Purpose Code	O ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			15 Re-Submission	

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BM Bill of Lading Number MA Ship Notice/Manifest Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **N1** Name
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		BT Bill-to-Party	
		RE Party to receive commercial invoice remittance	
		SE Selling Party	
		SF Ship From	
		ST Ship To	
	N102	93 Name	X AN 1/60
		Free-form name	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		91 Assigned by Seller or Seller's Agent	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	

Segment: N2 Additional Name Information
Position: 080
Loop: N1 Optional
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:

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N201	93 Name Free-form name	M AN 1/60
	N202	93 Name Free-form name	O AN 1/60

Segment: N3 Address Information
Position: 090
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 100
Loop: N1 Optional
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 U.S. or Canada.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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 3/15

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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ITD01	336	Terms Type Code Code identifying type of payment terms 08 Basic Discount Offered	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period 3 Invoice Date	O ID 1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10
ITD12	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
ITD15	954	Percent Percentage expressed as a decimal	O R 1/10

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

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

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Shipped	M ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

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:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FOB01	146 Shipment Method of Payment Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller)	M ID 2/2
	FOB02	309 Location Qualifier Code identifying type of location DE Destination (Shipping) MI Mill	X ID 1/2
	FOB03	352 Description A free-form description to clarify the related data elements and their content	O AN 1/80

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

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

- Semantic Notes:**
- 1 IT101 is the purchase order line item identification.
- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
IT102	358	Quantity Invoiced Number of units invoiced (supplier units)	X R 1/10
IT103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
IT104	212	Unit Price Price per unit of product, service, commodity, etc.	X R 1/17
IT105	639	Basis of Unit Price Code Code identifying the type of unit price for an item HP Price per Hundred PP Price per Pound	O ID 2/2
IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VO Vendor's Order Number	X ID 2/2
IT107	234	Product/Service ID Identifying number for a product or service	X AN 1/48
IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	X ID 2/2
IT109	234	Product/Service ID Identifying number for a product or service	X AN 1/48
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)

SN Serial Number

IT111	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **IT3 Additional Item Data**

Position: 030

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 5

Purpose: To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities

Syntax Notes: 1 If either IT301 or IT302 is present, then the other is required.

2 At least one of IT301 IT303 IT304 or IT305 is required.

Semantic Notes:

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
IT301	382	Number of Units Shipped	X R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
IT302	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	
		01 Actual Pounds	
		24 Theoretical Pounds	
		BB Base Box	
		DO Dollars, U.S.	
		LF Linear Foot	

Segment: **MEA** Measurements
Position: 059
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:

- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
- 2 If MEA05 is present, then MEA04 is required.
- 3 If MEA06 is present, then MEA04 is required.
- 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
- 5 Only one of MEA08 or MEA03 may be present.

Semantic Notes:

- 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

- 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
MEA01	737	Measurement Reference ID Code		O ID 2/2
		Code identifying the broad category to which a measurement applies		
		PD Physical Dimensions		
		WT Weights		
MEA02	738	Measurement Qualifier		O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies		
		TH Thickness		
		WD Width		
		WT Weight		
MEA03	739	Measurement Value		X R 1/20
		The value of the measurement		
MEA04	C001	Composite Unit of Measure		X
		To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	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		
		IN Inch		
		KG Kilogram		
		LB Pound		
C00107	355	Unit or Basis for Measurement Code		O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
C00108	1018	Exponent		O R 1/15
		Power to which a unit is raised		
C00109	649	Multiplier		O R 1/10
		Value to be used as a multiplier to obtain a new value		
C00110	355	Unit or Basis for Measurement Code		O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		Refer to 004010 Data Element Dictionary for acceptable code values.		

C00111	1018	Exponent Power to which a unit is raised	O R 1/15
C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
C00114	1018	Exponent Power to which a unit is raised	O R 1/15
C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
MEA05	740	Range Minimum The value specifying the minimum of the measurement range	X R 1/20
MEA06	741	Range Maximum The value specifying the maximum of the measurement range	X R 1/20
MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
MEA10	1373	Measurement Method or Device The method or device used to record the measurement Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/4

Segment: **PID** Product/Item Description

Position: 060

Loop: PID Optional

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 PID04 is required.
- 5 If PID09 is present, then PID05 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; an "N" indicates it does not apply. Any other value is indeterminate.
- 4 PID09 is used to identify the language being used in PID05.

Comments:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
	PID02	750 Product/Process Characteristic Code Code identifying the general class of a product or process characteristic 08 Product	O ID 2/3
	PID03	559 Agency Qualifier Code Code identifying the agency assigning the code values ST American Iron & Steel Institute ZZ Mutually Defined	X ID 2/2
	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12

Segment: **REF** Reference Identification
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification HC Heat Code LS Bar-Coded Serial Number PO Purchase Order Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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

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

Comments:

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	Amount Monetary amount	M N2 1/15
	TDS02	610	Amount Monetary amount	O N2 1/15
	TDS03	610	Amount Monetary amount	O N2 1/15
	TDS04	610	Amount Monetary amount	O N2 1/15

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:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
CAD01	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment B Barge M Motor (Common Carrier) R Rail	O ID 1/2
CAD03	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	O AN 1/10
CAD04	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	X ID 2/4
CAD05	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
CAD08	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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

Syntax Notes:

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

Semantic Notes:

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

Comments:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		B320 Competitive Allowance	
		C040 Delivery	
		C310 Discount	
		D240 Freight	
		D920 Insurance Fee	
		E190 Labor Charges	
	SAC05	610 Amount	O N2 1/15
		Monetary amount	
	SAC08	118 Rate	O R 1/9
		Rate expressed in the standard monetary denomination for the currency specified	

SAC15

352

Description

X AN 1/80

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

Segment: **CTT** Transaction Totals
Position: 070
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:

- 1 If either CTT03 or CTT04 is present, then the other is required.
- 2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:
Comments:

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M		354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

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

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