



3M EDI ANSI 4010 X12 810 Invoice

Introduction

- The purpose of this document is to explain the requirements for a customer wanting to send and receive electronic procure to pay transactions with 3M. The 3M EDI 810 works only on this standard guide/map thus 3M will not accommodate any customer specific requirements. If a customer signs up to transmission of EDI 850 they must agree to send/receive the suite of EDI procure to pay transactions (850, 855, 860, 865 856 and 810). This guide pertains specifically to the EDI 810.
 - The ASC X12 version presented in this guideline is 004010.

Key Points

- 3M will use the following qualifiers when sending product/service id on invoice:

BP	Buyer's Part Number
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)
UP	U.P.C. Consumer Package Code (1-5-5-1)
VP	Vendor's (Seller's) Part Number
- The 810 currency will align with the currency agreed upon on the purchase order. 3M will provide either PP or CC in FOB01

Invoice Structure

- DTM will always be passed in heading section and contain the shipped date.
- TDS (Total Monetary Value Summary) will always be provided and contain the total value of the invoice.



810

Invoice

Functional Group=IN

Purpose: 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</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Mandatory
020	BIG	Beginning Segment for Invoice	M	1			Mandatory
040	CUR	Currency	O	1			Mandatory
050	REF	Reference Identification	O	3			Optional
060	PER	Administrative Communications Contact	O	3			Optional
LOOP ID - N1					200		
070	N1	Name	M	1			Mandatory
080	N2	Additional Name Information	O	2			Optional
090	N3	Address Information	O	2		fob	Optional
100	N4	Geographic Location	O	1			Optional
130	ITD	Terms of Sale/Deferred Terms of Sale	M	>1			Mandatory
140	DTM	Date/Time Reference	M	10			Mandatory
150	FOB	F.O.B. Related Instructions	O	1			Mandatory

Detail:

LOOP ID - IT1					200000		
010	IT1	Baseline Item Data (Invoice)	O	1			Mandatory
LOOP ID - PID					1000		
060	PID	Product/Item Description	O	1			Optional
LOOP ID - SAC					1000		
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Optional

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	TDS	Total Monetary Value Summary	M	1			Mandatory
020	TXI	Tax Information	O	10			Optional



030	CAD	Carrier Detail	O	1	Optional
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LOOP ID - SAC				25	
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040	SAC	Service, Promotion, Allowance, or Charge Information	O	1	Optional
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LOOP ID - ISS				≥1	
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060	ISS	Invoice Ship Summary	0	1	Optional
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070	CTT	Transaction Totals	M	1	Mandatory
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080	SE	Transaction Set Trailer	M	1	Mandatory
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ST Transaction Set Header

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

User Option (Usage): Mandatory

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>Reg</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Mandatory
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	Mandatory
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Segment User Example:

ST*810*509217~



BIG

Beginning Segment for Invoice

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

User Option (Usage): Mandatory

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Mandatory
BIG02	76	Invoice Number Description: Identifying number assigned by issuer	M	AN	1/22	Mandatory
BIG03	373	Date Description: BIG03 is data assigned by the purchaser to the Purchase Order	O	DT	8/8	Optional
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/22	Mandatory
BIG07	640	Transaction Type Code Description: Code specifying the type of transaction	O	ID	2/2	Optional
		<u>Code</u> <u>Name</u>				
		DR Debit Memo				
		CR Credit Memo				
		DI Debit Invoice				

Segment User Example:

BIG*20240222*9427357125*20240215*1480193172***DI~



CUR

Currency

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Mandatory

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Mandatory
		Code Name				
		BY Buying Party				
		SE Selling Party				
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Mandatory

Segment User Example:

CUR*BY*CAD~



REF

Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Optional

Purpose: It is used to specify identifying information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	Reference Identification Qualifier	M	ID	2/3	Mandatory
Description: Code qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		1W		Member Identification Number		
		AP		Accounts Receivable Number		
		BM		Bill of Lading Number		
		CN		Carrier's Reference Number (PRO/Invoice)		
		CR		Customer Reference Number		
		FR		Freight Bill Number		
		IA		Internal Vendor Number		
		IL		Internal Order Number		
		IT		Internal Customer Number		
		OR		Order/Paragraph Number		
		PK		Packing List Number		
		VN		Vendor Order Number		

REF02	127	Reference Identification	C	AN	1/30	Conditional
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

Segment User Example:

REF*IA*318493190~



PER

Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Optional

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named <u>Code</u> <u>Name</u> CR Customer Relations	M	ID	2/2	Mandatory
PER02	93	Name Description: Free-form name	O	AN	1/60	Optional
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code</u> <u>Name</u> TE Telephone	C	ID	2/2	Conditional
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Conditional
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code</u> <u>Name</u> FX Facsimile	C	ID	2/2	Conditional
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Conditional
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number <u>Code</u> <u>Name</u> EM Electronic Mail	C	ID	2/2	Conditional
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Conditional

Segment User Example:

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PER*BD*Purchasing Dept*TE*123-456-
890***EM*Smith.Purchasing@company.com~
PER*DI*JOHN SMITH*TE*1234567890~
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N1

Name

Pos: 070	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Mandatory

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Mandatory
		Code Name				
		BT Bill-to-Party				
		RE Party to receive commercial invoice remittance				
		ST Ship To				
		VN Vendor				
N102	93	Name Description: Free-form name	C	AN	1/60	Conditional
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	C	ID	1/2	Conditional
		Code Name				
		91 Assigned by Seller or Seller's Agent				
		92 Assigned by Buyer or Buyer's Agent				
		94 Code assigned by the organization that is the ultimate destination of the transaction set				
N104	67	Entity Identifier Code Description: Code identifying a party or other code	C	AN	2/80	Conditional

Segment User Example:

N1*RI*Remit To Name*ZZ*20471009~



N2

Additional Name Information

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

User Option (Usage): Optional

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name Description: Free-form name	M	AN	1/60	Mandatory
N202	93	Name Description: Free-form name	O	AN	1/60	Optional

Segment User Notes:

Segment User Example:

N2*ShipTo Name~



N3

Address Information

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

User Option (Usage): Optional

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Mandatory
N302	166	Address Information Description: Address information	O	AN	1/55	Optional

Segment User Example:

N3*ShipTo Address~



N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Optional

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Optional
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	0/2	Optional
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	0/15	Optional
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Optional

Segment User Example:

N4*ShipToCity*ST*12345*US~



ITD

Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Mandatory

Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	Terms Type Code Description: Code identifying type of payment terms	O	ID	2/2	Mandatory
		Code Name				
		05 Discount Not Applicable				
		08 Basic Discount Offered				
		41 Letter of Credit				
ITD02	333	Terms Basis Date Code Description: Code identifying type of payment terms	O	ID	1/2	Optional
		Code Name				
		3 Invoice Date				
ITD03	338	Terms Discount Percent Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R	1/6	Optional
ITD04	370	Terms Discount Due Date	C	DT	8/8	Conditional
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned	C	N0	1/3	Conditional
ITD06	446	Terms Net Due Date	O	DT	8/8	Optional
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Optional
ITD08	362	Terms Discount Amount Description: Total amount of terms discount	O	NO	1/10	Optional
ITD12	352	Description Description: A free-form description to clarify the related data elements and their content	O	AN	1/80	Optional
ITD13	765	Days of Month Description: The numeric value of the day of the month between 1 and the maximum day of the month being referenced	C	N0	1/2	Conditional

Segment User Example:

ITD*05*3*2**INVOICE DATE+10**10**INVOICE DATE + 30**30*101.92*2/10 NET 30 DAYS*30~



DTM

Date/Time Reference

Pos: 140	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Mandatory

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/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Mandatory
		Description: Code specifying type of date or time, or both date and time				
		<u>Code</u> <u>Name</u>				
		011 Shipped				
DTM02	373	Date	C	DT	8/8	Conditional
		Description: Date expressed as CCYYMMDD				

Segment User Example:

DTM*011*20240222~



FOB

F.O.B. Related Instructions

Pos: 150	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Mandatory

Purpose: To specify transportation instructions relating to shipment

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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Mandatory
Description: Code identifying payment terms for transportation charges						
		<u>Code</u>		<u>Name</u>		
		CC		Collect		
		PP		Prepaid (by Seller)		

Segment User Example:

FOB*PP\



IT1

Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 10

User Option (Usage): Mandatory

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
IT101	350	Assigned Identification	O	AN	1/20	Optional
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
IT102	358	Quantity Invoiced	C	R	1/10	Conditional
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	C	ID	2/2	Conditional
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		All valid X12 codes are used.				
IT104	212	Unit Price	C	R	1/17	Conditional
		Description: Price per unit of product, service, commodity, etc.				
IT106	235	Product/Service ID Qualifier	C	ID	2/2	Conditional
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>		<u>Name</u>		
		BP		Buyer's Part Number		
		UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
		VP		Vendor's (Seller's) Part Number		
IT107	234	Product/Service ID	C	AN	1/48	Conditional
		Description: Identifying number for a product or service				
IT108	235	Product/Service ID Qualifier	C	ID	2/2	Conditional
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).				
		See list of qualifiers in IT106 above.				
IT109	234	Product/Service ID	C	AN	1/48	Conditional
		Description: Identifying number for a product or service				
IT110	235	Product/Service ID Qualifier	C	ID	2/2	Conditional
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).				
		See list of qualifiers in IT106 above.				
IT111	234	Product/Service ID	C	AN	1/48	Conditional
		Description: Identifying number for a product or service				
IT112	235	Product/Service ID Qualifier	C	ID	2/2	Conditional
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).				
		See list of qualifiers in IT106 above.				



IT113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	Conditional
IT114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234). See list of qualifiers in IT106 above.	C	ID	2/2	Conditional
IT115	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48	Conditional

Segment User Example:

IT1*023*72*EA*5.62**VP*665784395*UP*051141599823*UK*00051141599823~



PID

Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: IT1	Elements: 4

User Option (Usage): Optional

Purpose: To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	Item Description Type	M	ID	1/1	Mandatory
Description: Code indicating the format of a description						
		<u>Code</u>	<u>Name</u>			
		F	Free-form			
PID05	352	Description	C	AN	1/80	Mandatory
Description: A free-form description to clarify the related data elements and their content						

Segment User Example:

PID*F****17209AC-ESF White Pic Hanging Strips~



SAC

Service, Promotion, Allowance, or Charge Information

Pos: 180	Max: 1
Detail - Optional	
Loop: IT1	Elements: 5

User Option (Usage): Optional

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 Code Name A Allowance C Charge	M	ID	1/1	Mandatory
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code which indicates an allowance or charge for the service specified Code Name A010 Absolute Minimum Charge A260 Advertising Allowance A400 Allowance Non-performance C000 Defective Allowance C300 Discount - Special C310 Discount D230 Freight Surcharge D240 Freight D500 Handling E760 New Warehouse Discount F050 Other (See related description) F800 Promotional Allowance G830 Shipping and Handling H000 Special Allowance H550 Surcharge H850 Tax I170 Trade Discount ZZZZ Mutually Defined	C	ID	4/4	Conditional
SAC05	610	Amount Description: Monetary amount	O	N2	1/15	Optional



SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Optional
		Description: Code indicating method of handling for an allowance or charge				
		Code				
		02				Off Invoice
		06				Charge to be Paid by Customer
SAC15	352	Description	C	ID	1/80	Conditional
		Description: A free-form description to clarify the related data elements and their content				

Segment User Example:

SAC*A*F910***-6528*****02***1% Allowance Description~



TDS

Total Monetary Value Summary

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

User Option (Usage): Mandatory

Purpose: To specify the total invoice discounts and amounts

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount Description: TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).	M	N2	1/15	Mandatory
TDS02	610	Amount Description: TDS02 indicates the amount upon which the terms discount amount is calculated.	O	N2	1/15	Optional
TDS03	610	Amount Description: TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).	O	N2	1/15	Optional
TDS04	610	Amount Description: DS04 indicates the total amount of terms discount.	O	N2	1/15	Optional

Segment User Example:

TDS*1204*1204*1102.08*101.92



TXI

Tax Information

Pos: 020	Max: 10
Summary - Optional	
Loop: NA	Elements: 6

User Option (Usage): Optional

Purpose: To specify tax information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	Tax Type Code Description: Code indicating the format of a description	M	ID	2/2	Mandatory
		Code Name				
		CP County/Parish Sales Tax				
		CS City Sales Tax				
		CT County Tax				
		GS Goods and Services Tax				
		LS State and Local Tax				
		LT Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)				
		OH Other Taxes				
		SL State and Local Tax				
		SP State/Provincial Tax				
		ST State Sales Tax				
		TX All Taxes				
		VA Value Added Tax				
		ZZ Mutually Defined				
TXI02	782	Monetary Amount Description: Monetary amount	C	R	1/18	Conditional
TXI03	954	Percent Description: Percentage expressed as a decimal	C	R	1/10	Conditional
TXI04	955	Tax Jurisdiction Code Qualifier Description: Code identifying the source of the data used in tax jurisdiction code	C	ID	2/2	Conditional
		Code Name				
		CD Customer Defined				
TXI05	956	Tax Jurisdiction Code Description: Code identifying the taxing jurisdiction	C	AN	1/10	Conditional
TXI09	325	Tax Identification Number Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	O	AN	1/20	Optional

Segment User Example:

TXI*GS*3.96~



CAD

Carrier Detail

Pos: 030	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Optional

Purpose: To specify transportation details for the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD04	140	Standard Carrier Alpha Code	C	ID	2/4	Conditional
CAD05	387	Routing	C	AN	1/35	Optional
CAD06	368	Shipment/Order Status Code	O	ID	2/2	Optional
		<u>Code</u> <u>Name</u>				
		CC Delivery Complete				
		CP Partial Shipment on (Date)				
CAD07	128	Reference Identification Qualifier	O	ID	2/3	Optional
		<u>Code</u> <u>Name</u>				
		BM Bill of Lading Number				
CAD08	127	Reference Identification	O	ID	2/2	Optional

Segment User Example:

CAD*52152**CC*BM*120245



SAC

Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 5

User Option (Usage): Optional

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 Code Name A Allowance C Charge	M	ID	1/1	Mandatory
SAC02	1300	Service, Promotion, Allowance, or Charge Code Description: Code which indicates an allowance or charge for the service specified Code Name A010 Absolute Minimum Charge A170 Adjustments A260 Advertising Allowance A400 Allowance Non-performance A720 Broken Package Charge B030 Certificate of Origin B050 Certification B280 Combination Performance and Non-performance B660 Contract Allowance B720 Cooperative Advertising/Merchandising Allowance (Performance) B950 Damaged Merchandise C000 Defective Allowance C030 Delivery Surcharge C040 Delivery C300 Discount - Special C310 Discount C402 Door-to-Door C460 Drop Dock	C	ID	4/4	Conditional



C510	Dry Ice
C590	Emergency Surcharge
D170	Free Goods
D200	Freight Charges to Destination
D220	Freight Passthrough
D230	Freight Surcharge
D240	Freight
D242	Freight, International
D260	Fuel Charge
D270	Fuel Surcharge
D500	Handling
D540	Hazardous Materials Handling Fee - Domestic
D820	Inside Delivery
E170	Labeling
E210	Labor Service
E730	New Item Allowance
E740	New Store Allowance
E750	New Store Discount
E760	New Warehouse Discount
E770	New Warehouse
E970	Onetime Tooling
F050	Other (See related description)
F170	Pallet Exchange Charge
F180	Pallet
F190	Palletizing
F240	Per Item Charge
F750	Processing Charge
F800	Promotional Allowance
F810	Promotional Discount
F910	Quantity Discount
F970	Rebate
G470	Restocking Charge
G821	Shipping
G830	Shipping and Handling
G970	Small Order Charge
H000	Special Allowance
H060	Special Equipment Charge
H080	Special Freight Supplements
H090	Special Handling
H550	Surcharge
H850	Tax



		1110	Tooling				
		1170	Trade Discount				
		1310	Truckload Discount				
		1410	Unsaleable Merchandise Allowance				
		1530	Volume Discount				
		1570	Warehouse				
		ZZZZ	Mutually Defined				
SAC05	610	Amount		O	N2	1/15	Optional
		Description: Monetary amount					
SAC12	331	Allowance or Charge Method of Handling Code		O	ID	2/2	Optional
		Description: Code indicating method of handling for an allowance or charge					
		Code	Name				
		02	Off Invoice				
		06	Charge to be Paid by Customer				
SAC15	352	Description		C	ID	1/80	Conditional
		Description: A free-form description to clarify the related data elements and their content					

Segment User Example:

SAC*A*F910***-6528*****02***1% Allowance Description~



ISS

Invoice Shipment Summary

Pos: 060	Max: 1
Summary - Optional	
Loop: ISS	Elements: 5

User Option (Usage): Optional

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

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>
ISS01	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	C	R	1/10	Conditional
ISS02	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Conditional
ISS03	81	Weight Description: Numeric value of weight	C	R	1/10	Conditional
ISS04	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2	Conditional
		<u>Code</u> <u>Name</u>				
		PG Pound (Gross)				

Segment User Example:

ISS*2636*EA*634*PG~



CTT

Transaction Totals

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

User Option (Usage): Mandatory

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items Description: A free-form description to clarify the related data elements and their content	M	NO	1/6	Mandatory
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O	R	1/10	Optional

Segment User Example:

CTT*27*2700~



SE Transaction Set Trailer

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

User Option (Usage): Mandatory

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)

Element Summary:

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

Segment User Example:

SE*61*509217~



Transaction Example:

ISA*00* *00* *ZZ*IDSENDERID *12*IDRECEIVERID
*150216*1720*U*00401*650000035*0*P*>
GS*IN* IDSENDERID * IDRECEIVERID *20150216*1720*650000035*X*004010
ST*810*0496
BIG*CCYYMMDD*INVOICENUMBER**PONUMBER***PR
CUR*BY*USD
N1*ST*CUSTOMER SHIP TO LOCATION*92*2001
N3*801 CLARKE ROAD
N4*LONDON ONTARIO*ON*N5V 3B1*CA
N1*VN*3M*92*0001234567
N3*456 VENDOR ROAD
N4*ANYTOWN* MN *553031089*US
N1*BT*ABC DISTRIBUTION~
N3*P.O. BOX 5840
N4*LONDON*ON*N6A 5S2*CA
ITD*05*3***0**60*****NET 60 DAYS~
DTM*011*20240105
IT1*00010*26030*EA*0.77090**BP*CUSTOMER PART NUMBER*VP*3M PART
NUMBER~
TXI*OH*10.00**CD*MN****TAX ID NUMBER
SAC*C*D240***1000*****FREIGHT
PID*F****LINE ITEM DESCRIPTION
TDS*2008653
AMT*BAP*2008653
ISS*26030*EA*634*PG~
CTT*27
SE*24*0496
GE*1*650000035
IEA*1*650000035