

850 Purchase Order

Functional Group ID=**PO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) 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 placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

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	BEG	Beginning Segment for Purchase Order	M	1		
	040	CUR	Currency	O	1		
	060	PER	Administrative Communications Contact	O	3		
	070	TAX	Tax Reference	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	150	DTM	Date/Time Reference	O	10		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
LOOP ID - N9						1000	
	295	N9	Reference Identification	O	1		
	300	MSG	Message Text	O	1000		
LOOP ID - N1						200	
	310	N1	Name	O	1		
	320	N2	Additional Name Information	O	2		
	330	N3	Address Information	O	2		
	340	N4	Geographic Location	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 - PO1						100000	
M	010	PO1	Baseline Item Data	M	1		n1
LOOP ID - PID						1000	
	050	PID	Product/Item Description	O	1		
	100	REF	Reference Identification	O	>1		
	170	TAX	Tax Reference	O	>1		
	180	FOB	F.O.B. Related Instructions	O	>1		

210	DTM	Date/Time Reference	O	10
250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
289	MSG	Message Text	O	>1
LOOP ID - N1				200
350	N1	Name	O	1
360	N2	Additional Name Information	O	2
370	N3	Address Information	O	2
380	N4	Geographic Location	O	1

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	LOOP ID - CTT						1
M	010	CTT	Transaction Totals	M	1		n2
M	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 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
Notes: 3M Example: ST}850}511670542

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	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 Sender-assigned sequential control number to match control number in SE segment.	M AN 4/9

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates
Notes: 3M Example: BEG}00}SA}ABCDE05432}}20040614}} }IEL^

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	BEG01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			01 Cancellation	
			04 Change	
			07 Duplicate	
M	BEG02	92	Purchase Order Type Code	M ID 2/2
			Code specifying the type of Purchase Order	
			3M Comment: KR = SMI (Supplier Managed Inventory) type of purchase orders	
			KR Requirements	
			A contract to provide all specified requirements of designated organizations for a fixed period of time	
			SA Stand-alone Order	
M	BEG03	324	Purchase Order Number	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
			3M Comment: Purchase Order Number will be a combination of alpha and numeric characters	
			3M Examples:	
			USMMM12345	
			USMMM1234A	
			USDYN12345	
			0000123456	
X	BEG04	328	Release Number	O AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
M	BEG05	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
X	BEG06	367	Contract Number	O AN 1/30
			Contract number	

X	BEG07	587	Acknowledgment Type	O ID 2/2
			Code specifying the type of acknowledgment Refer to 004010 Data Element Dictionary for acceptable code values.	
	BEG08	1019	Invoice Type Code	O ID 3/3
			Code defining the method by which invoices are to be processed IEL Invoice Electronically INR Invoice Not Required (Such As Evaluated Receipts Settlements)	
X	BEG09	1166	Contract Type Code	O ID 2/2
			Code identifying a contract type Refer to 004010 Data Element Dictionary for acceptable code values.	
X	BEG10	1232	Purchase Category	O ID 2/2
			Code identifying the broad category of products or services being acquired Refer to 004010 Data Element Dictionary for acceptable code values.	
X	BEG11	786	Security Level Code	O ID 2/2
			Code indicating the level of confidentiality assigned by the sender to the information following Refer to 004010 Data Element Dictionary for acceptable code values.	
X	BEG12	640	Transaction Type Code	O ID 2/2
			Code specifying the type of transaction Refer to 004010 Data Element Dictionary for acceptable code values.	

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
Notes: 3M Example: CUR}BY}USD^

Data Element Summary

Ref.	Data			Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	CUR01	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			BY Buying Party (Purchaser)	
M	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
X	CUR03	280	Exchange Rate	O R 4/10
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
X	CUR04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	CUR05	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
X	CUR06	669	Currency Market/Exchange Code	O ID 3/3
			Code identifying the market upon which the currency exchange rate is based	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	CUR07	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	CUR08	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
X	CUR09	337	Time	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths	

			(00-99)	
X	CUR10	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
X	CUR11	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
X	CUR12	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
X	CUR13	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
X	CUR14	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
X	CUR15	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
X	CUR16	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
X	CUR17	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
X	CUR18	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
X	CUR19	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
X	CUR20	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
X	CUR21	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal	

seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Notes: 3M Example:
 PER}IC}SIMON,TERRY}TE}555-667-7851}FX}651-555
 -1234}EM}terrys@mmm.com

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		IC Information Contact	
	PER02	93 Name	O AN 1/60
		Free-form name	
		3M Comments: Buyer's Name	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		TE Telephone	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		3M Comments: Buyer's Phone Number	
	PER05	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		FX Facsimile	
	PER06	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		3M Comments: Buyer's Fax Number	
	PER07	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		EM Electronic Mail	
	PER08	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		3M Comments: Buyer's E-Mail Address	

X

PER09

443

Contact Inquiry Reference

O AN 1/20

Additional reference number or description to clarify a contact number

Segment: **TAX** Tax Reference
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction
Notes: 3M Example: TAX}8798349}SP}MN}}}}}}}}}}1^

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
TAX01	325	Tax Identification Number	X AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TAX02	309	Location Qualifier	X ID 1/2
		Code identifying type of location SP State/Province	
TAX03	310	Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX04	309 Location Qualifier	X ID 1/2
		Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX05	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX06	309 Location Qualifier	X ID 1/2
		Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX07	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX08	309 Location Qualifier	X ID 1/2
		Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX09	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX10	309 Location Qualifier	X ID 1/2
		Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX11	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	

TAX12 441 Tax Exempt Code O ID 1/1

Code identifying exemption status from sales and use tax

1 Yes (Tax Exempt)

2 No (Not Tax Exempt)

7 Direct Pay ID

X TAX13 1179 Customs Entry Type Group Code O ID 1/1

Code identifying a group of entry types as filed with U.S. Customs when goods enter the country

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Notes: 3M Example: FOB}DF}}01}FCA^

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	FOB01	146	Shipment Method of Payment	M ID 2/2
			Code identifying payment terms for transportation charges	
		CC	Collect	
		DF	Defined by Buyer and Seller	
		HP	Half Prepaid	
		MX	Mixed	
		NC	Service Freight, No Charge	
		PC	Prepaid but Charged to Customer	
		PP	Prepaid (by Seller)	
		TP	Third Party Pay	
	FOB02	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
		DE	Destination (Shipping)	
		FV	Free Alongside Vessel (Free On Board [F.O.B.] Point)	
		OA	Origin (After Loading on Equipment)	
		OR	Origin (Shipping Point)	
		OV	On Vessel (Free On Board [FOB] point)	
		PB	Port of Discharge	
			Port where shipment is unloaded	
		PD	Place of Delivery	
		PE	Port of Entry	
			Port where customs is declared	
		ZZ	Mutually Defined	
	FOB03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
			Code identifying the source of the transportation terms	
		01	Incoterms	
	FOB05	335	Transportation Terms Code	X ID 3/3

Code identifying the trade terms which apply to the shipment transportation responsibility

CFR	<p>Cost and Freight</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered on board the vessel; these are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment</p>
CIF	<p>Cost, Insurance, and Freight</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered onboard the vessel; risks are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment; seller must in addition procure (i.e. contract and pay for) marine insurance against the buyer's risk of loss or damage during shipment</p>
CIP	<p>Carriage and Insurance Paid To</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risk of damage or loss and additional costs incurred once goods are delivered on board the vessel; these risks are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment; seller must procure (i.e. contract and pay for) marine insurance against the buyer's risk of loss or damage during carriage; seller must in addition procure (i.e. contract and pay for) cargo insurance against the buyer's risk of loss or damage to the goods during carriage</p>
CPT	<p>Carriage Paid To</p> <p>Seller pays freight charges named to destination; the risk of loss or damage to the goods, as well as any additional costs due to events occurring after the time the goods have been delivered to other carrier, is transferred from the seller to the buyer when the goods have been delivered into the custody of the carrier</p>
DAF	<p>Delivered at Frontier</p> <p>Seller fulfills obligation to deliver when goods have been made available, cleared for export, at the named point and place at the frontier, but before the border of the adjoining country</p>
DDP	<p>Delivered Duty Paid</p> <p>Seller bears costs and risks involved in bringing goods to the named place in the country of importation including duties, taxes, and other official charges</p>

				payable upon import
			DDU	Deliver Duty Unpaid Seller bears costs and risks involved in bringing goods to the named place in country of importation exclusive of duties, taxes, or other official charges payable upon import, and the costs and risks of carrying out import formalities
			DEQ	Delivered Ex Quay Seller bears all costs and risks involved, including duties, taxes, and other charges involved in delivering the goods to the quay (wharf) at the named port of destination, cleared for import; seller's obligation ends when the goods are available to the buyer on the quay (this term used only for sea or inland waterway shipments)
			DES	Delivered Ex Ship Seller bears all costs and risks involved in bringing goods to the named port of destination; seller's obligation ends when goods are available to buyer on board the ship uncleared for import at named port of destination (this term used only for sea or inland waterway shipments)
			EXW	Ex Works Buyer bears all costs and risks in taking the goods from the seller's premises to the desired location
			FAS	Free Alongside Ship Seller's obligation ends when goods have been placed alongside the vessel on the quay or in lighters at the named port of shipment; buyer bears all costs and risks thereafter
			FCA	Free Carrier Seller fulfills his obligation when goods are handed over, cleared for export, and into the charge of the carrier named by the buyer at the named place or location
			FOB	Free on Board

X	FOB06	309	Location Qualifier	X ID 1/2
			Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	
X	FOB07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
X	FOB08	54	Risk of Loss Code	O ID 2/2
			Code specifying where responsibility for risk of loss passes Refer to 004010 Data Element Dictionary for acceptable code values.	

X

FOB09

352

Description

X AN 1/80

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

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
Notes: 3M Examples:

ITD}08}}2}}20}}60}}}}}}2% 20 NET 60 DAYS^
 ITD}05}}}}}}60}}}}}}NET 60 DAYS^

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
M	ITD01	336	Terms Type Code	M ID 2/2
			Code identifying type of payment terms	
			02 End of Month (EOM)	
			05 Discount Not Applicable	
			08 Basic Discount Offered	
			09 Proximo	
			10 Instant	
			20 Progress Payment	
			Term at which progress payments are authorized by the terms of the contract	
			ZZ Mutually Defined	
	ITD02	333	Terms Basis Date Code	O ID 1/2
			Code identifying the beginning of the terms period	
			3 Invoice Date	
	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	
X	ITD04	370	Terms Discount Due Date	X DT 8/8
			Date payment is due if discount is to be earned expressed in format CCYYMMDD	
	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	
X	ITD06	446	Terms Net Due Date	O DT 8/8
			Date when total invoice amount becomes due expressed in format CCYYMMDD	
M	ITD07	386	Terms Net Days	M N0 1/3
			Number of days until total invoice amount is due (discount not applicable)	
X	ITD08	362	Terms Discount Amount	O N2 1/10

			Total amount of terms discount	
X	ITD09	388	Terms Deferred Due Date	O DT 8/8
			Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	
X	ITD10	389	Deferred Amount Due	X N2 1/10
			Deferred amount due for payment	
X	ITD11	342	Percent of Invoice Payable	X R 1/5
			Amount of invoice payable expressed in percent	
	ITD12	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
	ITD13	765	Day of Month	X N0 1/2
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
			Day of month payment is due to gain discount. Used when ITD01 = 09 (proximo).	
X	ITD14	107	Payment Method Code	O ID 1/2
			Code identifying type of payment procedures	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	ITD15	954	Percent	O R 1/10
			Percentage expressed as a decimal	

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Notes: 3M Example: DTM}074}20040809^

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			074 Requested for Delivery (Prior to and Including)	
M	DTM02	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
X	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
X	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	DTM06	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 240
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
Notes: 3M Example: TD5}}}}EAGLE OCEAN^

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	TD501	133	Routing Sequence Code O ID 1/2 Code describing the relationship of a carrier to a specific shipment movement Refer to 004010 Data Element Dictionary for acceptable code values.
X	TD502	66	Identification Code Qualifier X ID 1/2 Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.
X	TD503	67	Identification Code X AN 2/80 Code identifying a party or other code
X	TD504	91	Transportation Method/Type Code X ID 1/2 Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.
	TD505	387	Routing X AN 1/35 Free-form description of the routing or requested routing for shipment, or the originating carrier's identity
X	TD506	368	Shipment/Order Status Code X ID 2/2 Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction Refer to 004010 Data Element Dictionary for acceptable code values.
X	TD507	309	Location Qualifier O ID 1/2 Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.
X	TD508	310	Location Identifier X AN 1/30 Code which identifies a specific location
X	TD509	731	Transit Direction Code O ID 2/2 The point of origin and point of direction Refer to 004010 Data Element Dictionary for acceptable code values.
X	TD510	732	Transit Time Direction Qualifier O ID 2/2

			Code specifying the value of time used to measure the transit time Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD511	733	Transit Time	X R 1/4
			The numeric amount of transit time	
X	TD512	284	Service Level Code	X ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD513	284	Service Level Code	X ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD514	284	Service Level Code	O ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD515	26	Country Code	O ID 2/3
			Code identifying the country	

Segment: **N9 Reference Identification**
Position: 295
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Notes: 3M Example: N9}ZZ}}SEE BELOW^

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
M	N901 128 Reference Identification Qualifier Code qualifying the Reference Identification ZZ Mutually Defined	M ID 2/3
	N902 127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	N903 369 Free-form Description Free-form descriptive text	X AN 1/45
X	N904 373 Date Date expressed as CCYYMMDD	O DT 8/8
X	N905 337 Time 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)	X TM 4/8
X	N906 623 Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	N907 C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001 128 Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002 127 Reference Identification	M AN 1/30

			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04005	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04006	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **MSG** Message Text
Position: 300
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	MSG01	933 Free-Form Message Text Free-form message text	M AN 1/264
X	MSG02	934 Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	MSG03	1470 Number A generic number	O N0 1/9

Segment: **N1** Name
Position: 310
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Notes: 3M Examples:
 N1}SU}ACME MANUFACTURING LTD}92}AV5660001^

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		ST Ship To	
		SU Supplier/Manufacturer	
M	N102	93 Name	M 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)	
		92 Assigned by Buyer or Buyer's Agent	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
		3M Comments: Your 3M assigned Supplier Number is 13 characters in length. The first 10 characters is your 3M assigned Vendor ID and the last 3 characters is your location code.	
		3M Examples: Newly assigned Supplier Numbers will contain a 3M assigned 10 digit supplier number followed by a 3 digit location code and look like this: 1234567891001	
		Previously assigned Supplier Numbers will contain the 3M assigned 6 digit supplier number followed by 4 spaces, followed by a 3 digit location code and look like this: X12345 001	
X	N105	706 Entity Relationship Code	O ID 2/2
		Code describing entity relationship	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **N2 Additional Name Information**
Position: 320
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Notes: 3M Example: N2}4TH FLOOR WAYSON COMMERCIAL BLDG 28^

Data Element Summary

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

Segment: **N3** Address Information
Position: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Notes: 3M Example: N3}1264 CONNAUGHT ST^

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
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: 340
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Notes: 3M Example: N4}MAPLEWOOD}MN}551441000^

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	N401	19 City Name Free-form text for city name	M AN 2/30
M	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
M	N404	26 Country Code Code identifying the country	M ID 2/3
X	N405	309 Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X	N406	310 Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **PO1** **Baseline Item Data**

Position: 010

Loop: PO1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify basic and most frequently used line item data

Notes: 3M Examples:

```
PO1}00101}9.0000}EA}17.69000}}BP}78812370647}}}}}}}}}}}}}}}}CR}0000000000
000000000004421}^
```

```
PO1}00201}1512.0000}EA}.64000}}BP}34705012135}EC}A}}}}}}}}}}}}}}}}VS}POL
K2116^
```

```
PO1}00302}80.0000}EA}2.60000}}BP}78812044325}EC}A^
```

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		Maintain the integrity of the 3M purchase order line item number on all invoices. 3M requires this number on any transaction returned to 3M, such as invoice (810), purchase order acknowledgement (855), and advanced ship notice (856). 3M uses a 5-digit composite item/shipment number. For example: 00101 means item 001, shipment 01 00102 means item 001, shipment 02 00201 means item 002, shipment 01	
PO102	330	Quantity Ordered	X R 1/15
		Quantity ordered	
PO103	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.	
PO104	212	Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.	
X	PO105	639 Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item	
		HP Price per Hundred	
		PD Price per Dozen	
		TP Price per Thousand	
PO106	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	

			BP	Buyer's Part Number		
	PO107	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
			3M Comment: Product ID must not contain dashes			
	PO108	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			EC	Engineering Change Level		
	PO109	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
	PO110	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			VP	Vendor's (Seller's) Part Number		
	PO111	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
X	PO112	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			See PO106 for code list.			
			Refer to 004010 Data Element Dictionary for acceptable code values.			
X	PO113	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
	PO114	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			MF	Manufacturer		
	PO115	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
	PO116	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			MG	Manufacturer's Part Number		
	PO117	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
	PO118	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			CR	Contract Number		
	PO119	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			

	PO120	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			VS Vendor's Supplemental Item Number	
	PO121	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
X	PO122	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 004010 Data Element Dictionary for acceptable code values.	
X	PO123	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
X	PO124	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 004010 Data Element Dictionary for acceptable code values.	
X	PO125	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	

Segment: **PID** Product/Item Description
Position: 050
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Notes: 3M Example: PID}F}}}}AKT80 W/O ARM ASSEMBLY^

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	PID01	349 Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
X	PID02	750 Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3
X	PID03	559 Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
M	PID05	352 Description A free-form description to clarify the related data elements and their content	M AN 1/80
X	PID06	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
X	PID07	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
X	PID08	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X	PID09	819 Language Code Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O ID 2/3

Segment: **REF** Reference Identification
Position: 100
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Notes: 3M Examples:
REF}CO}AFZQ1401-

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		1X Credit or Debit Adjustment Number	
		2A Import License Number	
		CO Customer Order Number	
		HS Harmonized Code System (Canada)	
M	REF02	127 Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	REF03	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	
X	REF04	C040 Reference Identifier	O
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
X	C04001	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04002	127 Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04003	128 Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04004	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04005	128 Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	

Refer to 004010 Data Element Dictionary for acceptable code values.

X	C04006	127	Reference Identification	X AN 1/30
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Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **TAX** Tax Reference
Position: 170
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction
Notes: 3M Example: TAX}SZ OHA 98-002611}SP}CA}}}}}}}}}}1^

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
TAX01	325	Tax Identification Number	X AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TAX02	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		SP State/Province	
TAX03	310	Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX04	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX05	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX06	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX07	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX08	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX09	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	
X	TAX10	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TAX11	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	

TAX12 441 Tax Exempt Code O ID 1/1

Code identifying exemption status from sales and use tax

1 Yes (Tax Exempt)

2 No (Not Tax Exempt)

7 Direct Pay ID

X TAX13 1179 Customs Entry Type Group Code O ID 1/1

Code identifying a group of entry types as filed with U.S. Customs when goods enter the country

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **FOB** F.O.B. Related Instructions
Position: 180
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
Notes: 3M Example: FOB}NC}FV}NO FREIGHT INVOLVED^

Data Element Summary

<u>Ref.</u>	<u>Data</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 DF Defined by Buyer and Seller HP Half Prepaid MX Mixed NC Service Freight, No Charge PC Prepaid but Charged to Customer PP Prepaid (by Seller) TP Third Party Pay	M ID 2/2
	FOB02	309	Location Qualifier Code identifying type of location DE Destination (Shipping) FV Free Alongside Vessel (Free On Board [F.O.B.] Point) OA Origin (After Loading on Equipment) OR Origin (Shipping Point) OV On Vessel (Free On Board [FOB] point) PB Port of Discharge Port where shipment is unloaded PD Place of Delivery PE Port of Entry Port where customs is declared ZZ Mutually Defined	X ID 1/2
	FOB03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
	FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms 01 Incoterms	O ID 2/2
	FOB05	335	Transportation Terms Code	X ID 3/3

Code identifying the trade terms which apply to the shipment transportation responsibility

CFR	<p>Cost and Freight</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered on board the vessel; these are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment</p>
CIF	<p>Cost, Insurance, and Freight</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered onboard the vessel; risks are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment; seller must in addition procure (i.e. contract and pay for) marine insurance against the buyer's risk of loss or damage during shipment</p>
CIP	<p>Carriage and Insurance Paid To</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risk of damage or loss and additional costs incurred once goods are delivered on board the vessel; these risks are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment; seller must procure (i.e. contract and pay for) marine insurance against the buyer's risk of loss or damage during carriage; seller must in addition procure (i.e. contract and pay for) cargo insurance against the buyer's risk of loss or damage to the goods during carriage</p>
CPT	<p>Carriage Paid To</p> <p>Seller pays freight charges named to destination; the risk of loss or damage to the goods, as well as any additional costs due to events occurring after the time the goods have been delivered to other carrier, is transferred from the seller to the buyer when the goods have been delivered into the custody of the carrier</p>
DAF	<p>Delivered at Frontier</p> <p>Seller fulfills obligation to deliver when goods have been made available, cleared for export, at the named point and place at the frontier, but before the border of the adjoining country</p>
DDP	<p>Delivered Duty Paid</p> <p>Seller bears costs and risks involved in bringing goods to the named place in the country of importation including duties, taxes, and other official charges</p>

				payable upon import
			DDU	Deliver Duty Unpaid Seller bears costs and risks involved in bringing goods to the named place in country of importation exclusive of duties, taxes, or other official charges payable upon import, and the costs and risks of carrying out import formalities
			DEQ	Delivered Ex Quay Seller bears all costs and risks involved, including duties, taxes, and other charges involved in delivering the goods to the quay (wharf) at the named port of destination, cleared for import; seller's obligation ends when the goods are available to the buyer on the quay (this term used only for sea or inland waterway shipments)
			DES	Delivered Ex Ship Seller bears all costs and risks involved in bringing goods to the named port of destination; seller's obligation ends when goods are available to buyer on board the ship unclesared for import at named port of destination (this term used only for sea or inland waterway shipments)
			EXW	Ex Works Buyer bears all costs and risks in taking the goods from the seller's premises to the desired location
			FAS	Free Alongside Ship Seller's obligation ends when goods have been placed alongside the vessel on the quay or in lighters at the named port of shipment; buyer bears all costs and risks thereafter
			FCA	Free Carrier Seller fulfills his obligation when goods are handed over, cleared for export, and into the charge of the carrier named by the buyer at the named place or location
			FOB	Free on Board

X	FOB06	309	Location Qualifier	X ID 1/2
			Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	
X	FOB07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
X	FOB08	54	Risk of Loss Code	O ID 2/2
			Code specifying where responsibility for risk of loss passes Refer to 004010 Data Element Dictionary for acceptable code values.	

X

FOB09

352

Description

X AN 1/80

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

Segment: **DTM** Date/Time Reference
Position: 210
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Notes: 3M Example: DTM}074}20040215^

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		074 Requested for Delivery (Prior to and Including)	
		870 License Expiration	
M	DTM02	373 Date	M DT 8/8
		Date expressed as CCYYMMDD	
X	DTM03	337 Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
X	DTM04	623 Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	DTM05	1250 Date Time Period Format Qualifier	X ID 2/3
		Code indicating the date format, time format, or date and time format	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	DTM06	1251 Date Time Period	X AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times	

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 250
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
Notes: 3M Example: TD5}}}}}}WWW.3M.COM/SUPPLIERS^

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X	TD503	67	Identification Code Code identifying a party or other code	X AN 2/80
X	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
	TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
X	TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	TD507	309	Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
X	TD509	731	Transit Direction Code The point of origin and point of direction Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	TD510	732	Transit Time Direction Qualifier	O ID 2/2

			Code specifying the value of time used to measure the transit time Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD511	733	Transit Time	X R 1/4
			The numeric amount of transit time	
X	TD512	284	Service Level Code	X ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD513	284	Service Level Code	X ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD514	284	Service Level Code	O ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	
X	TD515	26	Country Code	O ID 2/3
			Code identifying the country	

Segment: **MSG** Message Text
Position: 289
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide a free-form format that allows the transmission of text information
Notes: 3M Example: MSG}SHIP NON-PALLETIZED FREIGHT LESS THAN 200 LBS
 VIA UPS^

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
M	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
X	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	MSG03	1470	Number A generic number	O N0 1/9

Segment: **N1** Name
Position: 350
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Notes: 3M Example: N1}ST}3M COMPANY}92}01X0Q120^

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/3
M	N102	93 Name Free-form name	M AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
	N104	67 Identification Code Code identifying a party or other code	X AN 2/80
X	N105	706 Entity Relationship Code Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3

Segment: **N2 Additional Name Information**
Position: 360
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Notes: 3M Example: N2}BLDG 0010^

Data Element Summary

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

Segment: **N3** Address Information
Position: 370
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Notes: 3M Example: N3}1617 N FRONT ST^

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
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: 380
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Notes: 3M Example: N4}MAPLEWOOD}MN}551441000^

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 3/15
N404	26 Country Code Code identifying the country	O ID 2/3
X N405	309 Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X N406	310 Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **CTT Transaction Totals**
Position: 010
Loop: CTT Mandatory
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Notes: 3M Example: CTT}3^

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	CTT01	354 Number of Line Items Total number of line items in the transaction set	M N0 1/6
X	CTT02	347 Hash Total 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
X	CTT03	81 Weight Numeric value of weight	X R 1/10
X	CTT04	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
X	CTT05	183 Volume Value of volumetric measure	X R 1/8
X	CTT06	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
X	CTT07	352 Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **SE** Transaction Set Trailer
Position: 030
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)
Notes: 3M Example: SE}41}511670542^

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
M	96 Number of Included Segments	M N0 1/10
	Total number of segments included in a transaction set including ST and SE segments	
M	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	
	Sender-assigned sequential control number to match control number in the ST segment.	