

Introduction

This guideline provides a description and technical layout of the data segments recommended for use when creating EDI purchase orders (ASC X12 transaction set 850) for 3M. 3M can accept many valid ASC X12 data segments and elements; however, this guideline includes only those that are most commonly required. If you have data requirements that are not covered in this document, please consult your 3M EDI contact.

The ASC X12 version presented in this guideline is 004010. If you cannot generate purchase orders in 004010, please consult your 3M EDI contact for information on the other ASC X12 versions accepted by 3M.

Some general recommendations are:

1. Send only the data that is required to process the purchase order. Not all segments or data elements defined in this guideline need to be sent. For example, do not send terms or freight carrier information if this is standard information that is mutually understood and applies to all orders. However, if there are special terms or carrier information which must be communicated, send this data in the appropriate segment (i.e., ITD and TD5 respectively).
2. Whenever possible, do not send miscellaneous text data. Such data is not machine processable and diminishes the advantage and efficiency of EDI.
3. 3M recommends the use of the Uniform Product Code (UPC) for product identification. In addition, you may send in a part or catalog number. Item description is not needed unless a UPC or part number that uniquely defines the product is not available.
4. Use location numbers for ship-to and charge-to addresses. This allows for the efficient lookup of address information.

Examples of paper copy purchase orders and their ASC X12 interpretation can be found at the back of this guideline.

Note: For illustration purposes only, all examples use an asterisk (*) as the data element separator and a caret (^) as the segment terminator. In actual practice, values must be chosen that do not conflict with the data.

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>Page No.</u>	<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>
3	010	ST	Transaction Set Header	M	1		
4	020	BEG	Beginning Segment for Purchase Order	M	1		
5	050	REF	Reference Identification	O	>1		
6	060	PER	Administrative Communications Contact	O	3		
7	080	FOB	F.O.B. Related Instructions	O	>1		
8	110	CSH	Sales Requirements	O	5		
LOOP ID - SAC						25	
9	120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
11	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
12	150	DTM	Date/Time Reference	O	10		
13	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
15	270	MAN	Marks and Numbers	O	10		
LOOP ID - N1						200	
16	310	N1	Name	O	1		
17	320	N2	Additional Name Information	O	2		
18	330	N3	Address Information	O	2		
19	340	N4	Geographic Location	O	>1		

Detail:

<u>Page No.</u>	<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	
20	010	PO1	Baseline Item Data	M	1		n1
LOOP ID - PID						1000	
23	050	PID	Product/Item Description	O	1		
24	100	REF	Reference Identification	O	>1		
25	190	SDQ	Destination Quantity	O	500		

3M Customer Purchase Order

LOOP ID - SCH			200			
28	295	SCH	Line Item Schedule	O	1	n2
LOOP ID - N1			200			
30	350	N1	Name	O	1	
31	380	N4	Geographic Location	O	1	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - CTT			1				
32	010	CTT	Transaction Totals	O	1		n3
33	020	AMT	Monetary Amount	O	1		n4
34	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
3. 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.
4. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

3M Customer Purchase Order

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:

Notes: 3M Example(s): ST*850*2344^

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Required	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set 850 Purchase Order	
Required	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Sender-assigned control number to match control number on SE segment.	

3M Customer Purchase Order

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

Syntax Notes:

Semantic Notes: 1 BEG05 is the date assigned by the purchaser to purchase order.

Comments:

Notes: 3M Example(s): BEG*00*SA*BYX12345**19991201^

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Required	BEG01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
		00	Original	
			Use for original purchase orders.	
		06	Confirmation	
			Use only if the order has already been placed (e.g., previously phoned or faxed).	
Required	BEG02	92	Purchase Order Type Code	M ID 2/2
			Code specifying the type of Purchase Order	
		CF	Confirmation	
		NE	New Order	
		SA	Stand-alone Order	
Required	BEG03	324	Purchase Order Number	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
	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	
Required	BEG05	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
	BEG06	367	Contract Number	O AN 1/30
			Contract number	

3M Customer Purchase Order

Segment: **REF** Reference Identification

Position: 050

Loop:

Level: Heading

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:

Notes: 3M Example(s): REF*DP*678901^

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
Required	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		DP Department Number	
		IA Internal Vendor Number	
		PD Promotion/Deal Number	
Required	REF02	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

3M Customer Purchase Order

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

Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: 3M Example(s): PER*BD*JANE SMITH*TE*6517853691^

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Required	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		BD	Buyer Name or Department	
		CW	Confirmed With	
		OC	Order Contact	
		RE	Receiving Contact	
	PER02	93	Name	O AN 1/60
			Free-form name	
	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
		EM	Electronic Mail	
		FX	Facsimile	
		TE	Telephone	
	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	

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

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

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

Comments:

Notes: 3M Comments: Use ONLY if transportation instructions for the order differ from the norm.

3M Example(s): FOB*CC^

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Required	FOB01	146	Shipment Method of Payment
			M ID 2/2
			Code identifying payment terms for transportation charges
		CC	Collect
		CF	Collect, Freight Credited Back to Customer
		PC	Prepaid but Charged to Customer
		PP	Prepaid (by Seller)
		PU	Pickup
	FOB02	309	Location Qualifier
			X ID 1/2
			Code identifying type of location
		DE	Destination (Shipping)
		OR	Origin (Shipping Point)
	FOB03	352	Description
			O AN 1/80
			A free-form description to clarify the related data elements and their content

3M Customer Purchase Order

Segment: **CSH** Sales Requirements

Position: 110

Loop:

Level: Heading

Usage: Optional

Max Use: 5

Purpose: To specify general conditions or requirements of the sale

- Syntax Notes:**
- 1 If CSH02 is present, then CSH03 is required.
 - 2 If either CSH06 or CSH07 is present, then the other is required.
 - 3 If either CSH09 or CSH10 is present, then the other is required.

- Semantic Notes:**
- 1 CSH03 is the maximum monetary amount value which the order must not exceed.
 - 2 CSH04 is the account number to which the purchase amount is charged.
 - 3 CSH05 is the date specified by the sender to be shown on the invoice.
 - 4 CSH06 identifies the source of the code value in CSH07.

Comments:

Notes: 3M Comments: Use this segment ONLY to indicate specific order conditions that differ from the norm. (e.g., do not backorder, ship complete, etc.)

3M Example(s): CSH*N^

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Required	563 Sales Requirement Code	O ID 1/2
	Code to identify a specific requirement or agreement of sale	
	N	No Back Order
	SC	Ship Complete
	SP	Ship Partial, Balance Cancel
	Y	Back Order if Out of Stock

3M Customer Purchase Order

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 120
Loop: SAC Optional
Level: Heading
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.

Notes: 3M Comments: Use ONLY if there are special allowances or charges that differ from the norm. (e.g., special promotional allowances, free goods, etc.) Use at the header level if allowances/charges apply to the entire order.

3M Example(s): SAC*A*****5*****02^

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Required	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	

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		A	Allowance	
		C	Charge	
SAC02	1300	Service, Promotion, Allowance, or Charge Code		X ID 4/4
		Code identifying the service, promotion, allowance, or charge		
		A400	Allowance Non-performance	
		D240	Freight	
		D500	Handling	
		E740	New Store Allowance	
		E760	New Warehouse Discount	
		F050	Other (See related description)	
		F420	Placement and/or Removal Charge	
		F800	Promotional Allowance	
		H850	Tax	
		See ASC X12 code list for additional codes.		
SAC05	610	Amount		O N2 1/15
		Monetary amount		
SAC06	378	Allowance/Charge Percent Qualifier		X ID 1/1
		Code indicating on what basis allowance or charge percent is calculated		
SAC07	332	Percent		X R 1/6
		Percent expressed as a percent		
SAC12	331	Allowance or Charge Method of Handling Code		O ID 2/2
		Code indicating method of handling for an allowance or charge		
		02	Off Invoice	
		03	Vendor Check to Customer	
		04	Credit Customer Account	
		05	Charge to be Paid by Vendor	
		06	Charge to be Paid by Customer	
SAC15	352	Description		X AN 1/80
		A free-form description to clarify the related data elements and their content		

3M Customer Purchase Order

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:

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

Semantic Notes:

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes: 3M Comments: Use this segment ONLY if the terms for this order differ from the norm.
 3M Example(s): ITD*08*3*2**10**30^

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
ITD01	336 Terms Type Code	O ID 2/2
	Code identifying type of payment terms	
	04 Deferred or Installment	
	05 Discount Not Applicable	
	08 Basic Discount Offered	
	09 Proximo	
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	
ITD05	351 Terms Discount Days Due	X N0 1/3
	Number of days in the terms discount period by which payment is due if terms discount is earned	
ITD07	386 Terms Net Days	O N0 1/3
	Number of days until total invoice amount is due (discount not applicable)	
ITD12	352 Description	O AN 1/80
	A free-form description to clarify the related data elements and their content	

3M Customer Purchase Order

Segment: **DTM** Date/Time Reference

Position: 150

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:

Notes: 3M Comments: Use this segment at the header level to specify dates that apply to the entire order.

3M Example(s): DTM*002*19991205^

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Required	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			001 Cancel After	
			002 Delivery Requested	
			010 Requested Ship	
			037 Ship Not Before	
			038 Ship No Later	
			061 Cancel if Not Delivered by	
			063 Do Not Deliver After	
			064 Do Not Deliver Before	
			106 Required By	
Required	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

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

Syntax Notes: 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.

2 If TD502 is present, then TD503 is required.

3 If TD507 is present, then TD508 is required.

4 If TD510 is present, then TD511 is required.

5 If TD513 is present, then TD512 is required.

6 If TD514 is present, then TD513 is required.

7 If TD515 is present, then TD512 is required.

Semantic Notes: 1 TD515 is the country where the service is to be performed.

Comments: 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Notes: 3M Comments: Use this segment at the header level to specify carrier or routing details that apply to the entire order. Use ONLY if this information differs from the norm.

3M Example(s): TD5*O***AE^

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD501	133	Routing Sequence Code	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		O Origin Carrier (Air, Motor, or Ocean)	
TD502	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		2 Standard Carrier Alpha Code (SCAC)	
TD503	67	Identification Code	X AN 2/80
		Code identifying a party or other code	
TD504	91	Transportation Method/Type Code	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		A Air	
		AE Air Express	
		D Parcel Post	
		U Private Parcel Service	
TD505	387	Routing	X AN 1/35

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Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

3M Customer Purchase Order

- Segment:** **MAN** Marks and Numbers
- Position:** 270
- Loop:**
- Level:** Heading
- Usage:** Optional
- Max Use:** 10
- Purpose:** To indicate identifying marks and numbers for shipping containers
- Syntax Notes:**
- 1 If either MAN04 or MAN05 is present, then the other is required.
 - 2 If MAN06 is present, then MAN05 is required.
- Semantic Notes:**
- 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
 - 2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
 - 3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
- Comments:**
- 1 When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
 - 2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.
- Notes:** 3M Comments: Send this segment ONLY if you want specific marks on all shipping containers for this order.
- 3M Example(s): MAN*R*REQ#:12346^

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Required	MAN01	88	Marks and Numbers Qualifier	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			R Originator Assigned	
			Information originated by the initiator of the transaction	
Required	MAN02	87	Marks and Numbers	M AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	

3M Customer Purchase Order

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
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Notes: 3M Comments: Whenever possible, send the N1 segment with a code in N104. This will eliminate the need to send complete name/address information in subsequent N2 - N4 segments.

3M Example(s): N1*ST**1*987654321^

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Required	N101	M ID 2/3
	98 Entity Identifier Code	
	Code identifying an organizational entity, a physical location, property or an individual	
	BS Bill and Ship To	
	BT Bill-to-Party	
	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	
	9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
	91 Assigned by Seller or Seller's Agent	
	92 Assigned by Buyer or Buyer's Agent	
N104	67 Identification Code	X AN 2/80
	Code identifying a party or other code	

3M Customer Purchase Order

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

Syntax Notes:

Semantic Notes:

Comments:

Notes: 3M Comments: Use segments N2 - N4 ONLY if address information cannot be identified by a code in N104.

3M Example(s): N2*C/O ANDERSON CORP.^

Data Element Summary

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

3M Customer Purchase Order

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
Syntax Notes:
Semantic Notes:
Comments:

Notes: 3M Comments: Use segments N2 - N4 ONLY if address information cannot be identified by a code in N104.

3M Example(s): N3*1513 E. 5TH AVE.^

Data Element Summary

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

3M Customer Purchase Order

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
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.
Notes: 3M Comments: Use segments N2 - N4 ONLY if address information cannot be identified by a code N104.
 3M Example(s): N4*NEW YORK*NY*012345811^

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

- 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
- Syntax Notes:**
- 1 If PO103 is present, then PO102 is required.
 - 2 If PO105 is present, then PO104 is required.
 - 3 If either PO106 or PO107 is present, then the other is required.
 - 4 If either PO108 or PO109 is present, then the other is required.
 - 5 If either PO110 or PO111 is present, then the other is required.
 - 6 If either PO112 or PO113 is present, then the other is required.
 - 7 If either PO114 or PO115 is present, then the other is required.
 - 8 If either PO116 or PO117 is present, then the other is required.
 - 9 If either PO118 or PO119 is present, then the other is required.
 - 10 If either PO120 or PO121 is present, then the other is required.
 - 11 If either PO122 or PO123 is present, then the other is required.
 - 12 If either PO124 or PO125 is present, then the other is required.
- Semantic Notes:**
- Comments:**
- 1 See the Data Element Dictionary for a complete list of IDs.
 - 2 PO101 is the line item identification.
 - 3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
- Notes:** 3M Example(s): PO1*1*800*EA*1.5**UK*00012223451231*IN*22345^

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
PO101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Line number is required if you wish to receive this back in subsequent EDI documents. (e.g, 810, 855, etc.)	O AN 1/20
PO102	330 Quantity Ordered Quantity ordered	X R 1/15
PO103	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 BX Box CA Case CT Carton EA Each FT Foot	O ID 2/2

3M Customer Purchase Order

KT	Kit
LB	Pound
PK	Package
RL	Roll

See ASC X12 code list for additional codes.

PO104 212 Unit Price X R 1/17

Price per unit of product, service, commodity, etc.

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
NC	No Charge
PE	Price per Each
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)

UPC numbers-

3M prefers the UPC number for product identification. The correct UPC qualifier to use depends on the format of the UPC number supplied to you by the 3M Division. This format is described in the code description. For example, use "UI" for an 11 - digit UPC number, excluding the check digit; use "UP" for a 12 - digit UPC including the check digit.

Other product identifiers-

If you wish to see your part number on the packing list and invoice, send in this number in addition to the UPC. Use one of the following qualifiers: "IN", "IT", "SK".

DR	Drawing Revision Number
EC	Engineering Change Level
IN	Buyer's Item Number
IT	Buyer's Style Number
SK	Stock Keeping Unit (SKU)
UA	U.P.C./EAN Case Code (2-5-5)
UD	U.P.C./EAN Consumer Package Code (2-5-5)
UE	U.P.C./EAN Module Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1) A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit
UP	U.P.C. Consumer Package Code (1-5-5-1)

3M Customer Purchase Order

		VC	Vendor's (Seller's) Catalog Number	
		VN	Vendor's (Seller's) Item Number	
PO107	234	Product/Service ID		X AN 1/48
		Identifying number for a product or service		
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)		
		See PO106 for code list.		
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)		
		See PO106 for code list		
PO111	234	Product/Service ID		X AN 1/48
		Identifying number for a product or service		
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		
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)		
		See PO106 for code list		
PO115	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

- 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.

Notes: 3M Comments: Send product description ONLY if no mutually understood product identifier (e.g., UPC number) is being sent for this item or if additional description is required to identify the product (e.g., non-standard or special cut items).

3M Example(s): PID*F****471 PLSTC TP WHITE 1/2 X 36 YD BULK^

Data Element Summary

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

3M Customer Purchase Order

Segment: **REF** Reference Identification

Position: 100

Loop: PO1 Mandatory

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:

Notes: 3M Example(s): REF*CT*XZ234-A^

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Required	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			CT Contract Number	
			PR Price Quote Number	
			WS Warehouse storage location number	
Required	REF02	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: **SDQ** Destination Quantity

Position: 190

Loop: PO1 Mandatory

Level: Detail

Usage: Optional

Max Use: 500

Purpose: To specify destination and quantity detail

- Syntax Notes:**
- 1 If either SDQ05 or SDQ06 is present, then the other is required.
 - 2 If either SDQ07 or SDQ08 is present, then the other is required.
 - 3 If either SDQ09 or SDQ10 is present, then the other is required.
 - 4 If either SDQ11 or SDQ12 is present, then the other is required.
 - 5 If either SDQ13 or SDQ14 is present, then the other is required.
 - 6 If either SDQ15 or SDQ16 is present, then the other is required.
 - 7 If either SDQ17 or SDQ18 is present, then the other is required.
 - 8 If either SDQ19 or SDQ20 is present, then the other is required.
 - 9 If either SDQ21 or SDQ22 is present, then the other is required.

Semantic Notes: 1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

- Comments:**
- 1 SDQ02 is used only if different than previously defined in the transaction set.
 - 2 SDQ03 is the store number.
 - 3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Notes: 3M Comments: Use this segment for orders having multiple ship-to locations. Specify the individual location by using a location ID; the quantity to ship should follow each location ID. The sum of all SDQ quantity elements should equal the total quantity indicated in the preceding PO1 quantity element (PO102). Since the ship-to locations are indicated at the line item level, do not use header N1 with ST or BS in N101.

3M Example(s): SDQ*EA*92*69283*100*83115*50*77721*100^

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Required	SDQ01	355 Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		BX	Box
		CA	Case
		CT	Carton
		EA	Each
		FT	Foot
		KT	Kit
		LB	Pound
		PK	Package

3M Customer Purchase Order

RL Roll

See ASC X12 code list for additional codes.

	SDQ02	66	Identification Code Qualifier		O ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 D-U-N-S Number, Dun & Bradstreet		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			91 Assigned by Seller or Seller's Agent		
			92 Assigned by Buyer or Buyer's Agent		
Required	SDQ03	67	Identification Code		M AN 2/80
			Code identifying a party or other code		
Required	SDQ04	380	Quantity		M R 1/15
			Numeric value of quantity		
	SDQ05	67	Identification Code		X AN 2/80
			Code identifying a party or other code		
	SDQ06	380	Quantity		X R 1/15
			Numeric value of quantity		
	SDQ07	67	Identification Code		X AN 2/80
			Code identifying a party or other code		
	SDQ08	380	Quantity		X R 1/15
			Numeric value of quantity		
	SDQ09	67	Identification Code		X AN 2/80
			Code identifying a party or other code		
	SDQ10	380	Quantity		X R 1/15
			Numeric value of quantity		
	SDQ11	67	Identification Code		X AN 2/80
			Code identifying a party or other code		
	SDQ12	380	Quantity		X R 1/15
			Numeric value of quantity		
	SDQ13	67	Identification Code		X AN 2/80
			Code identifying a party or other code		
	SDQ14	380	Quantity		X R 1/15
			Numeric value of quantity		
	SDQ15	67	Identification Code		X AN 2/80
			Code identifying a party or other code		
	SDQ16	380	Quantity		X R 1/15
			Numeric value of quantity		
	SDQ17	67	Identification Code		X AN 2/80
			Code identifying a party or other code		

3M Customer Purchase Order

SDQ18	380	Quantity Numeric value of quantity	X R 1/15
SDQ19	67	Identification Code Code identifying a party or other code	X AN 2/80
SDQ20	380	Quantity Numeric value of quantity	X R 1/15
SDQ21	67	Identification Code Code identifying a party or other code	X AN 2/80
SDQ22	380	Quantity Numeric value of quantity	X R 1/15

Segment: **SCH** Line Item Schedule
Position: 295
Loop: SCH Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes: 1 If SCH03 is present, then SCH04 is required.
 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
 3 If SCH09 is present, then SCH08 is required.
 4 If SCH10 is present, then SCH08 is required.
Semantic Notes: 1 SCH12 is the schedule identification.
Comments: 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.
Notes: 3M Comments: Use SCH segments to specify multiple shipments of the same item to a common destination. The sum of the quantities in the SCH segments must equal the quantity in the preceding PO1 segment (PO102).
 3M Example(s): SCH*50*EA***002*19991215^

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Required	SCH01	380	Quantity	M R 1/15
			Numeric value of quantity	
Required	SCH02	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		BX	Box	
		CA	Case	
		CT	Carton	
		EA	Each	
		FT	Foot	
		KT	Kit	
		LB	Pound	
		PK	Package	
		RL	Roll	
			See ASC X12 code list for additional codes.	
Required	SCH05	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		001	Cancel After	
		002	Delivery Requested	
		010	Requested Ship	
		037	Ship Not Before	
		038	Ship No Later	

3M Customer Purchase Order

061 Cancel if Not Delivered by
063 Do Not Deliver After
064 Do Not Deliver Before
106 Required By

Required SCH06 373 Date M DT 8/8
Date expressed as CCYYMMDD

3M Customer Purchase Order

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
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Notes: 3M Comments: Use the N1 loop at the line item level ONLY if you need to identify the end customer for this item.

3M Example(s):

N1*EN*SANFORD COMPANY*91*XYZ1234^

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Required	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		EN	End User	
	N102	93	Name	X AN 1/60
			Free-form name	
			End customer name or STOCK.	
	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	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		91	Assigned by Seller or Seller's Agent	
		92	Assigned by Buyer or Buyer's Agent	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	

3M Customer Purchase Order

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
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.
Notes: Use ONLY to send in city/state for the end customer identified in the preceding N1.
 3M Example(s): N4*NEW YORK*NY*012341000^

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

3M Customer Purchase Order

Segment: **CTT Transaction Totals**
Position: 010
Loop: CTT Optional
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.

Notes: 3M Example(s): CTT*3^

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Required	CTT01	354 Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	
		This is the total number of PO1 segments.	

3M Customer Purchase Order

Segment: **AMT** Monetary Amount
Position: 020
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes:

3M Comments: Use to transmit the total dollar amount of the order.
 3M Example(s): AMT*TT*241.74^

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Required	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
			TT Total Transaction Amount	
Required	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	

3M Customer Purchase Order

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)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes: 3M Example(s): SE*10*2344^

Data Element Summary

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

Purchase Order Examples

This section contains three examples to illustrate the use of Transaction Set 850 under certain circumstances:

- A simple, stand-alone purchase order
- A stand-alone purchase order with multiple requested delivery dates
- A stand-alone purchase order that provides end customer information at the line item level

Example 1

This is an example of a simple, stand-alone purchase order. The bill-to and ship-to accounts can be identified by a DUNS number; all items are identified by a UPC number and a buyer part number. The requested delivery date applies to all items on the order and therefore appears at the header level.

PURCHASE ORDER: BYX12345			12/01/1999	
<p>TO: Selling Company 101 1st Street Hometown, NY 77775-1112</p>				
<p>BILL TO: ABC Distributer P.O. Box 500 Anytown, NJ 66678-1234 DUNS Number: 123456789</p>				
<p>SHIP TO: ABC Warehouse 2222 Main Street Anytown, NJ 66678-1234 DUNS Number: 987654321</p>				
REQUIRED DELIVERY DATE: 12/05/1999				
ITEM	QUANTITY	UNIT	ITEM AND DESCRIPTION	PRICE
1	800	Each	00012223451231 #22345 Connectors	1.50
2	100	Case	50012223666784 #55556 Cable Splicing Kits	22.34
3	24	Each	00012223451230 #66667-1 Vinyl Insulated Rings	22.95

3M Customer Purchase Order

ASC X12 FORMAT

ST*850*2344^

BEG*00*SA*BYX12345**19991201^

DTM*002*19991205^

N1*BT**1*123456789^

N1*ST**1*987654321^

PO1*1*800*EA*1.5**UK
*00012223451231*IN
*22345^

PO1*2*100*CA*22.34**UK
*50012223666784*IN
*55556^

PO1*3*24*EA*22.95**UK
*00012223451230*IN
*66667-1^

CTT*3^

SE*10*2344^

INTREPRETATION

ASC X12 Transaction Set: 850 Transaction Set
Control Number: 2344

Original P.O. Number: BYX12345
P.O. Date: 12/01/1999

Requested Delivery Date: 12/05/1999

Bill-to DUNS Number: 123456789
ABC Distributor
P.O. Box 500
Anytown, NJ 66678-1234

Ship-to DUNS Number: 987654321
ABC Warehouse
2222 Main Street
Anytown, NJ 66678-1234

Line Item Number: 1
Quantity: 800
Unit of Measure: EA=each
Unit Price: \$1.50
UPC Number: 00012223451231
Buyer's Item Number: 22345

Line Item Number: 2
Quantity: 100
Unit of Measure: CA=case
Unit Price: \$22.34
UPC Number: 50012223666784
Buyer's Item Number: 55556

Line Item Number: 3
Quantity: 24
Unit of Measure: EA=each
Unit Price: \$22.95
UPC Number: 00012223451230
Buyer's Item Number: 66667-1

Number of Line Items: 3

Number of Segments: 10
Transaction Set Control Number:
2344

NOTE: Sample purchase order contains fictitious data.

Example 2

This is an example of a purchase order which has multiple requested delivery dates per line item.

PURCHASE ORDER: ABC99876		10/01/1999		
<p>TO: Selling Company 100 1st Street Hometown, NY 77775-1112</p> <p>BILL TO: XYZ Supply 2345 1st Avenue New York, NY 01234-2345 DUNS Number: 992345123</p> <p>SHIP TO: XYZ Supply 2345 1st Avenue New York, NY 01234-2345 DUNS Number: 992345123</p>				
NOTE DELIVERY SCHEDULE BELOW				
ITEM	QUANTITY	UNIT	ITEM AND DESCRIPTION	PRICE
1	800	Each	01222345123 #22345 Connectors Deliver 200 on 10/15/1999 Deliver 400 on 11/15/1999 Deliver 200 on 12/15/1999	1.50
2	100	Case	01222366678 #55556 Cable Splicing Kits Deliver 50 on 10/15/1999 Deliver 50 on 12/15/1999	22.34
3	24	Each	01222377123 #66667-1 Vinyl Insulated Rings Deliver on 10/15/1999	22.95

3M Customer Purchase Order

ASC X12 FORMAT

ST*850*4462^

BEG*00*SA*ABC99876*
*19991001^

N1*BS**1*992345123^

PO1*1*800*EA*1.5**UI
*01222345123*IN
*22345^

SCH*200*EA***002
*19991015^

SCH*400*EA***002
*19991115^

SCH*200*EA***002
*19991215^

PO1*2*100*CA*22.34**UI
*01222366678*IN
*55556^

SCH*50*EA***002*19991015^

SCH*50*EA***002*19991215^

PO1*3*24*EA*22.95**UI
*01222377123*IN
*66667-1^

SCH*24*EA***002
*19991015^

INTERPRETATION

ASC X12 Transaction Set: 850 Transaction Set
Control Number: 4462

Original P.O. Number: ABC99876
P.O. Date: 10/01/1999

Bill-to/Ship-to
DUNS Number: 992345123
XYZ Supply
2345 1st Avenue
New York, NY 01234-2345

Line Item Number: 1
Quantity: 800
Unit of Measure: EA=each
Unit Price: \$1.50
UPC Number: 01222345123
Buyer's Item Number: 22345

Deliver 200 on 10/15/1999

Deliver 400 on 11/15/1999

Deliver 200 on 12/15/1999

Line Item Number: 2
Quantity: 100
Unit of Measure: CA=case
Unit Price: \$22.34
UPC Number: 01222366678
Buyer's Item Number: 55556

Deliver 50 on 10/15/1999

Deliver 50 on 12/15/1999

Line Item Number: 3
Quantity: 24
Unit of Measure: EA=each
Unit Price: \$22.95
UPC Number: 01222377123
Buyer's Item Number: 66667-1

Deliver 24 on 10/15/1999

3M Customer Purchase Order

CTT*3^

Number of Line Items: 3

SE*14*4462^

Number of Segments: 14

Transaction Set Control Number: 4462

NOTE: Sample purchase order contains fictitious data.

Example 3

This is an example of a stand-alone purchase order that provides end customer (“mark-for”) information at the line item level. The requested delivery date applies to all items on the order. Terms which apply just to this order are also included. Items 1 and 2 are identified by a standard UPC and part number. Item 3 is a special-cut item and is identified only by buyer part number and description.

PURCHASE ORDER: WA2345-1		10/01/1999		
<p>TO: Selling Company 101 1st Street Hometown, NY 77775-1112</p> <p>BILL TO: ABC Distributor P.O. Box 500 Anytown, NJ 66678-1234 DUNS Number: 123456789</p> <p>SHIP TO: ABC Warehouse 2222 Main Street Anytown, NJ 66678-1234 DUNS Number: 987654321</p> <p>REQUIRED DELIVERY DATE: 10/30/1999</p> <p>CONTRACT #: 982341-A</p> <p>TERMS: Discount 2% 10 net 30</p>				
ITEM	QUANTITY	UNIT	ITEM AND DESCRIPTION	PRICE
1	200	Each	01222345123 #22345 Connectors End User: XYZ1234 Sanford Company Worthington, TX 66234	1.50
2	150	Case	01222366678 #55556 Cable Splicing Kits	22.34
3	24	Each	#23456 471 PLSTC TP WHITE ½ X 36 YD BULK End User: ABC5678 XYZ Company Dallas, TX 66782	4.77
TOTAL PO VALUE				\$241.74

3M Customer Purchase Order

ASC X12 FORMAT

ST*850*2345^

BEG*00*SA*WA2345-1*
*19991001*982341-A^

ITD*08*3*2**10**30^

DTM*002*19991030^

N1*BT**1*123456789^

N1*ST**1*987654321^

PO1*1*200*EA*1.5**UI
*01222345123*IN
*22345^

N1*EN**91*XYZ1234^

PO1*2*150*CA*22.34**UI
*01222366678*IN
*55556^

PO1*3*24*EA*4.77**IN
*23456^

PID*F****471 PLSTC TP
WHITE 1/2 x 36 YD BULK^

INTERPRETATION

ASC X12 Transaction Set:850
Transaction Set Control Number:
2345

Original P.O. Number: WA2345-1
P.O. Date: 10/01/1999
Contract Number: 982341-A

Terms: 2% 10 net 30

Requested Delivery Date: 10/30/1999

Bill-to DUNS Number: 123456789
ABC Distributor
P.O. Box 500
Anytown, NJ 66678-1234

Ship-to DUNS Number: 987654321
ABC Warehouse
2222 Main Street
Anytown, NJ 66678-1234

Line Item Number: 1
Quantity: 200
Unit of Measure: EA=each
Unit Price: \$1.50
UPC Number: 01222345123
Buyer's Item Number: 22345

End Location Code:
XYZ1234

Line Item Number: 2
Quantity: 150
Unit of Measure: CA=case
Unit Price: \$22.34
UPC Number: 01222366678
Buyer's Item Number: 55556

Line Item Number: 3
Quantity: 24
Unit of Measure: EA=each
Unit Price: \$4.77
Buyer's Item Number: 23456

Item Description:
471 Plastic Tape White
1/2 X 36 Yd Bulk

3M Customer Purchase Order

N1*EN91*ABC5678^**

End User: ABC5678
XYZ Company
Dallas, TX 66782

CTT*3^

Number of Line Items: 3

AMT*TT*241.74

Total Order Amount: \$241.74

SE*15*2345^

Number of Segments: 15
Transaction Set Control Number:
2345

NOTE: Sample purchase order contains fictitious data.