

## **Introduction**

This guideline provides a description and technical layout of the data segments sent in 3M's EDI purchase order acknowledgments (ASC X12 transaction set 855). 3M can send many valid ASC X12 data segments and elements; however, this guideline includes only those that are most commonly sent. 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 receive purchase order acknowledgments in 004010, please consult your 3M EDI contact for information on other ASC X12 versions sent by 3M.

The format defined in this document is the 3M standard EDI purchase order acknowledgment (POA). Some variations on this format are available which can be discussed with your 3M EDI contact. Such variations include:

1. Timing of the return of the POA
2. POA optionally triggered by certain order changes
3. Type of status date returned – Expected ship date or expected delivery date
4. Original acknowledgment type – Detail (all line items) or exception detail (just line items where change occurred)
5. Reacknowledgment type – Detail, exception detail or no reacknowledgment
6. Optional return of product descriptions.

Some general comments are:

1. EDI purchase order acknowledgments will be sent for EDI purchase orders. On a limited basis, POAs may be returned for orders received by mail, phone, or fax. If you have such requirements, please discuss with your 3M EDI contact.
2. The purchase order acknowledgment will be returned after the purchase order is entered on the 3M order processing system. The time for POA generation is flexible based on your timing requirements.
3. The first POA will be sent back with a code of "00" (original) in BAK01 (transaction set purpose). The standard original POA is a detail acknowledgment. This means that the POA will contain all line items originally sent on the EDI order with a line item status and a status date, if available. Optionally, a POA containing only exception line items can be returned.
4. The line item status date returned is either an estimated ship or delivery date. It will be sent back only if it has been established on the 3M order.
5. Subsequent purchase order acknowledgments or reacknowledgments are optionally returned if certain data changes on the order after the original acknowledgment has been returned. Changes which will result in a reacknowledgment are: quantity change, status date change, product ID change, item deleted, order canceled. A reacknowledgment can be identified from the BAK01 code of "04" (change). A reacknowledgment can be returned in either detail or exception detail format.
6. Multiple ACK segments may be returned for a particular line item. This will happen if product for a line item is scheduled to ship on different dates. This is usually due to multiple ship or delivery schedules requested on the purchase order. It can also happen in the case of partial backorder situations. For example, if ten units are

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ordered and five units will ship and five are on backorder, two ACK segments will be returned for this line item. One will show the five scheduled to ship and the other will show the five on backorder. Status dates will also be sent, if available.

7. If prices are required on the POA, please discuss with your 3M EDI contact.

Examples of purchase order acknowledgments 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 a caret (^) as the segment terminator. In actual practice, values must be chosen that do not conflict with the data.**

# 855 Purchase Order Acknowledgment

Functional Group ID=**PR**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

## 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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
LOOP ID - N1						200	
6	300	N1	Name	O	1		
7	310	N2	Additional Name Information	O	2		
8	320	N3	Address Information	O	2		
9	330	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	
10	010	PO1	Baseline Item Data	O	1		n1
13	040	CTP	Pricing Information	O	>1		
LOOP ID - PID						1000	
14	050	PID	Product/Item Description	O	1		
LOOP ID - ACK						104	
15	270	ACK	Line Item Acknowledgment	O	1		

## Summary:

<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 - CTT						1	
18	010	CTT	Transaction Totals	O	1		n2
19	030	SE	Transaction Set Trailer	M	1		

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#### **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.

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**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\*855\*000000027^

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Required	ST01	143	<b>Transaction Set Identifier Code</b>	M ID 3/3
			Code uniquely identifying a Transaction Set	
			855 Purchase Order Acknowledgment	
Required	ST02	329	<b>Transaction Set Control Number</b>	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 on SE segment.	

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**Segment:** **BAK** Beginning Segment for Purchase Order Acknowledgment  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**

- Semantic Notes:**
- 1 BAK04 is the date assigned by the purchaser to purchase order.
  - 2 BAK08 is the seller's order number.
  - 3 BAK09 is the date assigned by the sender to the acknowledgment.

**Comments:**

**Notes:**

3M Example(s):  
 BAK\*00\*AC\*12-22222-S\*20000115\*\*\*\*4BA1102ZZ\*20000117^  
 BAK\*04\*AE\*12-22222-S\*20000115\*\*\*\*4BA1102ZZ\*20000118^

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Required	BAK01	353	<b>Transaction Set Purpose Code</b>	<b>M ID 2/2</b>
			Code identifying purpose of transaction set	
		00	Original	
			Used on the original or first acknowledgment.	
		04	Change	
			Used on reacknowledgments. A reacknowledgment is optionally sent if a change occurs on the order after the original acknowledgment has been sent back.	
Required	BAK02	587	<b>Acknowledgment Type</b>	<b>M ID 2/2</b>
			Code specifying the type of acknowledgment	
			Defaults are:	
			AC or AD for original acknowledgments (detail, with change or no change)	
			AE for reacknowledgments	
			RJ for order cancellations	
		AC	Acknowledge - With Detail and Change	
			Used on the original acknowledgment if there was any change made to the purchase order. All line items are returned.	
		AD	Acknowledge - With Detail, No Change	
			Used on the original acknowledgment if no change was made to the purchase order. All line items are required.	
		AE	Acknowledge - With Exception Detail Only	

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				Used on the original acknowledgment and reacknowledgments if exception detail only has been requested. The acknowledgment contains only the line item(s) where a change occurred.
			AK	Acknowledge - No Detail or Change
				Used for the original acknowledgment if exception detail only has been requested and no change was made to the purchase order.
			RJ	Rejected - No Detail
				Used if the order has been cancelled. No detail is sent back.
<b>Required</b>	<b>BAK03</b>	<b>324</b>	<b>Purchase Order Number</b>	<b>M AN 1/22</b>
			Identifying number for Purchase Order assigned by the orderer/purchaser	
<b>Required</b>	<b>BAK04</b>	<b>373</b>	<b>Date</b>	<b>M DT 8/8</b>
			Date expressed as CCYYMMDD	
	<b>BAK05</b>	<b>328</b>	<b>Release Number</b>	<b>O AN 1/30</b>
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
			Sent back if the release number was sent on the BEG segment of the purchase order.	
	<b>BAK07</b>	<b>367</b>	<b>Contract Number</b>	<b>O AN 1/30</b>
			Contract number	
			Sent back if the contract number was sent on the BEG segment of the purchase order.	
<b>Required</b>	<b>BAK08</b>	<b>127</b>	<b>Reference Identification</b>	<b>O AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			This is 3M's reference number for the customer purchase order (C.P.O. number).	
<b>Required</b>	<b>BAK09</b>	<b>373</b>	<b>Date</b>	<b>O DT 8/8</b>
			Date expressed as CCYYMMDD	

### 3M Customer Purchase Order Acknowledgment

**Segment:** **N1** Name  
**Position:** 300  
**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: The N1 loop is normally not sent.

3M Example(s): N1\*ST\*ABC WAREHOUSE^

#### Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Required	N101	98	<b>Entity Identifier Code</b>	<b>M ID 2/3</b>
			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	<b>Name</b>	<b>X AN 1/60</b>
			Free-form name	
	N103	66	<b>Identification Code Qualifier</b>	<b>X ID 1/2</b>
			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	<b>Identification Code</b>	<b>X AN 2/80</b>
			Code identifying a party or other code	

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**Segment:** **N2** Additional Name Information  
**Position:** 310  
**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>	
<b>Required</b>	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

**3M Customer Purchase Order Acknowledgment**

**Segment:** **N3** Address Information  
**Position:** 320  
**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\*2222 MAIN STREET^

**Data Element Summary**

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

### 3M Customer Purchase Order Acknowledgment

**Segment:** **N4 Geographic Location**  
**Position:** 330  
**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 in N104.  
 3M Example(s): N4\*ANYTOWN\*NJ\*66781234^

#### Data Element Summary

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

### 3M Customer Purchase Order Acknowledgment

<b>Segment:</b>	<b>PO1</b> Baseline Item Data
<b>Position:</b>	010
<b>Loop:</b>	PO1 Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify basic and most frequently used line item data
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PO103 is present, then PO102 is required.</li> <li>2 If PO105 is present, then PO104 is required.</li> <li>3 If either PO106 or PO107 is present, then the other is required.</li> <li>4 If either PO108 or PO109 is present, then the other is required.</li> <li>5 If either PO110 or PO111 is present, then the other is required.</li> <li>6 If either PO112 or PO113 is present, then the other is required.</li> <li>7 If either PO114 or PO115 is present, then the other is required.</li> <li>8 If either PO116 or PO117 is present, then the other is required.</li> <li>9 If either PO118 or PO119 is present, then the other is required.</li> <li>10 If either PO120 or PO121 is present, then the other is required.</li> <li>11 If either PO122 or PO123 is present, then the other is required.</li> <li>12 If either PO124 or PO125 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 See the Data Element Dictionary for a complete list of IDs.</li> <li>2 PO101 is the line item identification.</li> <li>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.</li> </ol>
<b>Notes:</b>	<p>3M Comments: The standard product IDs on the PO1 segment are the UPC number and buyer's item number, if sent on the purchase order. If the PO1 segment must be returned exactly as it came in on the EDI purchase order, please discuss with your 3M EDI contact.</p> <p>3M Example(s): PO1*1*50*EA*3.2**UI*05632112344*IN*1629^</p>

#### Data Element Summary

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	<b></b>
<b>Required</b>	<b>PO101</b> <b>350</b> <b>Assigned Identification</b>	<b>O AN 1/20</b>
	Alphanumeric characters assigned for differentiation within a transaction set	
	This is the purchase order line number as sent on the purchase order. It is recommended that the line number be sent on the EDI purchase order.	
<b>Required</b>	<b>PO102</b> <b>330</b> <b>Quantity Ordered</b>	<b>X R 1/15</b>
	Quantity ordered	
	This is the original line item quantity as sent on the purchase order.	
<b>Required</b>	<b>PO103</b> <b>355</b> <b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

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This is the original unit of measure as sent on the purchase order.

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.

	<b>PO104</b>	<b>212</b>	<b>Unit Price</b>	<b>X R 1/17</b>
			Price per unit of product, service, commodity, etc.	
			If price is required, please discuss with your 3M EDI contact.	
<b>Required</b>	<b>PO106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			UPC number is sent in PO107 if available. If not, one of the following will be returned:	
			Buyer's item number	
			3M item number	
			3M catalog number	
			If you have other product ID requirements, please discuss with your 3M EDI contact.	
			IN	Buyer's Item Number
			UI	U.P.C. Consumer Package Code (1-5-5)
			VC	Vendor's (Seller's) Catalog Number
			VN	Vendor's (Seller's) Item Number
<b>Required</b>	<b>PO107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
	<b>PO108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			The buyer's item number is returned in PO109, if it was sent on the purchase order.	
			If the buyer's item number is not present, one of the following will be returned, if available:	
			3M item number	
			3M catalog number	
			If you have other product ID requirements, please discuss with your 3M EDI contact.	
			IN	Buyer's Item Number
			VC	Vendor's (Seller's) Catalog Number

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		VN	Vendor's (Seller's) Item Number	
<b>PO109</b>	<b>234</b>	<b>Product/Service ID</b>		<b>X AN 1/48</b>
		Identifying number for a product or service		

### 3M Customer Purchase Order Acknowledgment

**Segment:** **CTP Pricing Information**

**Position:** 040

**Loop:** PO1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify pricing information

- Syntax Notes:**
- 1 If either CTP04 or CTP05 is present, then the other is required.
  - 2 If CTP06 is present, then CTP07 is required.
  - 3 If CTP09 is present, then CTP02 is required.
  - 4 If CTP10 is present, then CTP02 is required.
  - 5 If CTP11 is present, then CTP03 is required.

- Semantic Notes:**
- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
  - 2 CTP08 is the rebate amount.

- Comments:**
- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

**Notes:** 3M Comments: The CTP is only returned if price change notification has been requested. Price change notification will only be sent after the order has been entered on 3M's order management system.

3M Example(s): CTP\*\*CHG\*2.35^

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
CTP02	236 Price Identifier Code Code identifying pricing specification CHG Changed Price	X ID 3/3
CTP03	212 Unit Price Price per unit of product, service, commodity, etc.	X R 1/17

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<b>Segment:</b>	<b>PID</b> Product/Item Description
<b>Position:</b>	050
<b>Loop:</b>	PID Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>
<b>Notes:</b>	<p>3M Comments: The PID segment is optionally sent with the 3M product description. It can always be sent or only sent if there has been a product change. The default is to send the PID segment only if there is a product change.</p> <p>3M Example(s): PID*F****471 PLSTC TP WHITE 1/2 X 36 YD BULK^</p>

#### 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 Acknowledgment

**Segment:** **ACK** Line Item Acknowledgment  
**Position:** 270  
**Loop:** ACK Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item

- Syntax Notes:**
- 1 If either ACK02 or ACK03 is present, then the other is required.
  - 2 If ACK04 is present, then ACK05 is required.
  - 3 If either ACK07 or ACK08 is present, then the other is required.
  - 4 If either ACK09 or ACK10 is present, then the other is required.
  - 5 If either ACK11 or ACK12 is present, then the other is required.
  - 6 If either ACK13 or ACK14 is present, then the other is required.
  - 7 If either ACK15 or ACK16 is present, then the other is required.
  - 8 If either ACK17 or ACK18 is present, then the other is required.
  - 9 If either ACK19 or ACK20 is present, then the other is required.
  - 10 If either ACK21 or ACK22 is present, then the other is required.
  - 11 If either ACK23 or ACK24 is present, then the other is required.
  - 12 If either ACK25 or ACK26 is present, then the other is required.
  - 13 If either ACK27 or ACK28 is present, then the other is required.
  - 14 If ACK28 is present, then both ACK27 and ACK29 are required.

**Semantic Notes:**

- 1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

**Comments:**

**Notes:** 3M Example(s):  
ACK\*AR\*50\*EA\*068\*20000120\*\*VO\*AT25651^  
ACK\*IA\*100\*EA\*002\*20000530^

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Required	ACK01	668	Line Item Status Code
			Code specifying the action taken by the seller on a line item requested by the buyer
		AC	Item Accepted and Shipped
		AR	Item Accepted and Released for Shipment
			Inventory has been allocated to fill this item, and it is in some phase of the shipping process. Inventory may have been: allocated, released to the warehouse for shipment, in the process of being picked, picked and on the dock, or picked and loaded on the trailer.
		DR	Item Accepted - Date Rescheduled
			A date reschedule from what was originally requested on the purchase order or from what was previously acknowledged has occurred. The new

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			date is sent in ACK05.	
		IA	Item Accepted	
			This item has been accepted but inventory has not yet been allocated.	
		IB	Item Backordered	
		IC	Item Accepted - Changes Made	
			This item has been accepted and is not on backorder. This code is returned in the following cases:	
			- the product has been changed from what was originally ordered (e.g., item substitution or customer-requested item change)	
			- multiple changes have occurred on this line item (e.g., quantity change and date reschedule)	
		ID	Item Deleted	
		IH	Item on Hold	
		IQ	Item Accepted - Quantity Changed	
		SP	Item Accepted - Schedule Date Pending	
<b>ACK02</b>	<b>380</b>	<b>Quantity</b>		<b>X R 1/15</b>
			Numeric value of quantity	
			The default is the quantity set up on the 3M order in 3M unit of measure. This may differ from the order quantity in PO102. If your unit of measure differs from 3M's and you require quantity returned in your unit, please discuss with your 3M EDI contact.	
<b>ACK03</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			The default is the 3M unit of measure. If your unit of measure differs from 3M's and you require your unit returned, please discuss with your 3M EDI contact.	
		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.	
<b>ACK04</b>	<b>374</b>	<b>Date/Time Qualifier</b>		<b>O ID 3/3</b>
			Code specifying type of date or time, or both date and time	
			If there is no date available for this item at the time of acknowledgment generation, ACK04/ACK05 are not sent. If a date becomes available after	



**3M Customer Purchase Order Acknowledgment**

**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\*5^

**Data Element Summary**

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

**3M Customer Purchase Order Acknowledgment**

**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\*15\*000000027^

**Data Element Summary**

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

## Purchase Order Acknowledgment Examples

### Example 1

This example acknowledges the following:

- Line item 1 and 3 will ship as ordered on 1/20/2000.
- Line item 2 backordered and will ship on 1/27/2000.
- Line item 4 will ship on 1/20/2000. This item includes 3M's description as the item was changed from what was originally ordered.
- Line item 5 had a quantity change.

The acknowledgment provides scheduled ship dates.

<b>P.O. ACKNOWLEDGEMENT</b>		01/17/2000		
<b>FROM:</b> 3M Company		P.O.: 12-22222-S P.O. Date: 01/15/2000		
<b>BILL TO:</b> Buying Company P.O. Box 500 Anytown, NJ 66678-1234		<b>SHIP TO:</b> ABC Warehouse 2222 Main Street Anytown, NJ 66678-1234		
ITEM	QUANTITY	UNIT	ITEM AND DESCRIPTION	SCHEDULED SHIP DATE
1	50	Each	05632112344 #22345 Connectors @\$3.20 Cust Part No: 1629	01/20/2000
2	100	Roll	05632134571 #2312 Cable @\$1.10 Cust Part No: 3456 ****BACKORDERED****	01/27/2000
3	25	Each	05632199971 #66667-1 Vinyl Insulated Rings @ \$5.00 Cust Part No: 11123	01/20/2000
4	110	Each	05632156789 471 Plstc TP White ½ X 36 Yd Bulk @ \$1.50 Cust Part No: 8203	01/20/2000
5	60	Each	05632155555 #225678 Connectors @\$4.20 Cust Part No: 99235 ****QUANTITY CHANGE****	01/20/2000

3M Customer Purchase Order Acknowledgment

ASC X12 FORMAT  
ST\*855\*00000027^

BAK\*00\*AC\*12-2222-S  
\*20000115\*\*\*\*4BA1102ZZ  
\*20000117^

PO1\*1\*50\*EA\*3.2\*\*UI  
\*05632112344\*IN\*1629^

ACK\*AR\*50\*EA\*068\*20000120  
\*\*VO\*AT25651^

PO1\*2\*100\*RL\*1.1\*\*UI  
\*05632134571\*IN\*3456^

ACK\*IB\*100\*RL\*068\*20000127  
\*\*VO\*AT25652^

PO1\*3\*25\*EA\*5\*\*UI  
\*05632199971\*IN\*11123^

INTERPRETATION

ASC X12 Transaction Set: 855  
Transaction Set Control Number:  
00000027

Original acknowledgment with  
detail and change  
P.O. Number: 12-2222-S  
P.O. Date: 01/15/2000  
3M Reference Number: 4BA1102ZZ  
P.O. Acknowledgment Date: 01/17/2000

Buyer's Line Number: 1  
Quantity Ordered: 50  
Buyer's Unit of Measure: EA=each  
Price: \$3.20  
UPC Number: 05632112344  
Buyer's Item Number: 1629

Line Item Status:  
AR=item accepted and released for shipment  
Quantity: 50  
3M Unit of Measure: EA=each  
Scheduled Ship Date: 01/20/2000  
3M Invoice Number: AT25651

Buyer's Line Number: 2  
Quantity Ordered: 100  
Buyer's Unit of Measure: RL=roll  
Price: \$1.10  
UPC Number: 05632134571  
Buyer's Item Number: 3456

Line Item Status: IB=item backordered  
Quantity: 100  
3M Unit of Measure: RL=roll  
Scheduled Ship Date: 01/27/2000  
3M Invoice Number: AT25652

Buyer's Line Number: 3  
Quantity Ordered: 25  
Buyer's Unit of Measure: EA=each  
Price: \$5.00  
UPC No: 05632199971  
Buyer's Item Number: 11123

**3M Customer Purchase Order Acknowledgment**

**ACK\*AR\*25\*EA\*068\*20000120  
\*\*VO\*AT25651^**

Line Item Status:  
AR=item accepted and released for shipment  
Quantity: 25  
3M Unit of Measure: EA=each  
Scheduled Ship Date: 01/20/2000  
3M Invoice Number: AT25651

**PO1\*4\*110\*EA\*1.5\*\*UI  
\*05632156789\*IN\*8203^**

Buyer's Line Number: 4  
Quantity Ordered: 110  
Buyer's Unit of Measure: EA=each  
Price: \$1.50  
UPC Number: 05632156789  
Buyer's Item Number: 8203

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

3M Item Description: 471 Plastic  
Tape White 1/2 X 36 Yd Bulk

**ACK\*IC\*110\*EA\*068  
\*20000120\*VO\*AT25651^**

Line Item Status:  
IC=item accepted, changes made  
Quantity: 110  
3M Unit of Measure: EA=each  
Scheduled Ship Date: 01/20/2000  
3M Invoice Number: AT25651

**PO1\*5\*50\*EA\*4.2\*\*UI  
\*05632155555\*IN\*99235^**

Buyer's Line Number: 5  
Quantity Ordered: 50  
Buyer's Unit of Measure: EA=each  
Price: \$4.20  
UPC No: 05632155555  
Buyer's Item Number: 99235

**ACK\*IQ\*60\*EA\*068\*20000120  
\*\*VO\*AT25651^**

Line Item Status:  
IQ=item accepted, quantity changed  
Quantity: 60  
3M Unit of Measure: EA=each  
Scheduled Ship Date: 01/20/2000  
3M Invoice Number: AT25651

**CTT\*5^**

Number of Line Items: 5

**SE\*15\*000000027^**

Number of Segments: 15  
Transaction Set Control Number: 000000027

**Note: Sample purchase order acknowledgment contains fictitious data.**

**3M Customer Purchase Order Acknowledgment**

**Example 2**

This example acknowledges multiple requested delivery dates for a line item.

<b>P.O. ACKNOWLEDGMENT</b>		05/03/2000		
<b>FROM:</b> 3M Company		P.O.: 6234X1 P.O. Date: 05/01/2000		
<b>BILL TO:</b> ABC Distributor P.O. Box 100 Anytown, E 22141-0200		<b>SHIP TO:</b> XYZ Supply 2345 1 <sup>st</sup> Avenue New York, NY 01234-2345		
ITEM	QUANTITY	UNIT	ITEM AND DESCRIPTION	REQUESTED DELIVERY DATE
1	300	Each	06123412341 #99999 Connectors @\$1.10	
	100	Each		05/30/2000
	100	Each		06/30/2000
	100	Each		07/30/2000

3M Customer Purchase Order Acknowledgment

**ASC X12 FORMAT**  
ST\*855\*0000028^

**INTERPRETATION**

ASC X12 Transaction Set: 855  
Transaction Set Control Number: 000000028

BAK\*00\*AD\*6234X1\*20000501  
\*\*\*\*4BA9999ZZ\*20000503^

Original acknowledgment with detail,  
no change  
P.O. Number: 6234X1  
P.O. Date: 05/01/2000  
3M Reference Number: 4BA9999ZZ  
P.O. Acknowledgment Date: 05/03/2000

PO1\*1\*300\*EA\*1.1\*\*UI  
\*06123412341\*IN\*99999^

Buyer's Line Number: 1  
Quantity Ordered: 300  
Buyer's Unit of Measure: EA=Each  
Price: \$1.10  
UPC Number: 06123412341  
Buyer's Item Number: 99999

ACK\*IA\*100\*EA\*002\*20000530  
\*\*VO\*BK22345^

Line Item Status: IA=item accepted  
Quantity: 100  
3M Unit of Measure: EA=Each  
Requested Delivery Date: 05/30/2000  
3M Invoice Number: BK22345

ACK\*IA\*100\*EA\*002\*20000630  
\*\*VO\*BK22346^

Line Item Status: IA=item accepted  
Quantity: 100  
3M Unit of Measure: EA=Each  
Requested Delivery Date: 06/30/2000  
3M Invoice Number: BK22346

ACK\*IA\*100\*EA\*002\*20000730  
\*\*VO\*BK22347^

Line Item Status: IA=item accepted  
Quantity: 100  
3M Unit of Measure: EA=Each  
Requested Delivery Date: 07/30/2000  
3M Invoice Number: BK22347

CTT\*1^

Number of Line Items: 1

SE\*8\*00000028^

Number of Segements: 8  
Transaction Set Control Number: 000000028

**NOTE: Sample purchase order acknowledgment contains fictitious data.**