



**GENERAL MOTORS IMPLEMENTATION GUIDELINES**  
**FOR**  
**ANSI X12 TRANSACTION SET 850 –**  
**PURCHASE ORDER**

CORPORATE INFORMATION STANDARDS  
INFORMATION SYSTEMS & SERVICES  
GENERAL MOTORS CORPORATION

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# GENERAL INFORMATION

## PURPOSE

This Generic Implementation Guideline details how General Motors intends to use the ANSI X12 transaction set 850. It provides:

- Version specific ANSI formatted transaction set table information with GM usage
- GM Generic Composite Tables with GM Specific usage
- GM specific segment information.

The contents include all relevant information needed to communicate the GM Purchasing systems using EDI at a range of ANSI version release levels specified in the Guideline.

## APPLICATION

This Guideline will be used by all GM Purchasing systems using EDI to communicate "Purchase Order" information to their trading partners in the ANSI ASC X12 format. To assure they receive all of the information, trading partners must be capable of receiving all codes and other combinations of information described in the Guideline. It replaces all Guidelines previously published by any GM Unit for this transaction set.

## STRUCTURE OF THE GM IMPLEMENTATION GUIDELINE

Section I of the GM Implementation Guideline describes GM's intended use of all current published versions of the ANSI ASC X 12 850 transaction set. It also provides a table to allow comparison of all versions of the 850.

Section II identifies the segments GM intends to use for all version/releases it supports.

Section III describes in detail segment information in support of segments GM will use for each version of the ANSI ASC X12 850 transaction set indicated in Section II.

When reviewing Section III, the Segment information requirements for data element usage are defined as follows: GM will use the following symbols in the left column:

- |         |  |
|---------|--|
| >>      | GM requires that information is provided           |
| X       | GM does not expect to receive this information     |
| (blank) | Some GM locations may expect to receive this data. |

The Attributes column, located on the right side of the Segment information, provides the ANSI ACS X12 element size. GM plans to conform to these field parameters.

## **VERSION**

This Generic Implementation guideline includes ANSI X 12 Version/Releases:

002003 (2.3)

002040 (2.4)

003010 (3.1)

## **RESPONSIBILITY**

This document was developed by the 850 Work Group of the Standards Development Subcommittee with the approval of the GM Corporate EDI/AI Steering Committee.

Document preparation and distribution for General Motors was performed by Corporate Information Standards.

## **MAINTENANCE**

Changes to this document will be reviewed by the General Motors 850 Standards Maintenance Committee and will be subject to corporate approval through the GM Unit CISCO Coordinator approval process.

Approved changes will be updated and distributed for General Motors by Corporate Information Standards.

Note: The change process described in the first paragraph can only be used by organizations within the General Motors Corporation

# SECTION I – TRANSACTION SET TABLES

Version 2 Release 3 (002003)

Functional Group ID=**PO**

## Introduction:

This standard provides the format and establishes the data contents of a purchase order transaction set. The purchase order transaction set provides 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.

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Usage</u>		<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
				<u>ANSI</u>	<u>GM</u>			
010	ST		Transaction Set Header	M	M	1		
020	BEG		Beginning Segment for Purchase Order	M	M	1		
030	NTE		Note/Special Instruction	F	-	100		
040	CUR		Currency	O	O	1		
050	REF		Reference Numbers	O	O	12		
060	PER		Administrative Communications Contact	O	-	3		
070	TAX		Tax Reference	O	O	3		
080	FOB		F.O.B. Related Instructions	O	O	1		
090	CTP		Pricing Information	O	-	25		
100	SSS		Special Services	O	-	25		
110	CSH		Header Sale Condition	O	O	1		
120	ITA		Allowance, Charge or Service	O	O	10		
130	ITD		Terms of Sale/Deferred Terms of Sale	O	O	5		
140	DTM		Date/Time/Period	O	O	10		
150	LDT		Lead Time	O	-	12		
160	SHH		General Schedule	O	-	5		
170	PRN		Product ID Numbers	O	-	5		
180	PID		Product/Item Description	O	-	200		
190	MEA		Measurements	O	-	40		
200	PWK		Paperwork	O	-	25		
210	PKG		Marking, Packaging, Loading	O	-	25		
220	TD1		Carrier Details (Quantity and Weight)	O	-	2		
230	TD5		Carrier Details (Routing Sequence/Transit Time)	O	O	12		
240	TD3		Carrier Details (Equipment)	O	-	12		
250	TD4		Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5		
260	MAN		Marks and Numbers	O	-	10		
			LOOP ID - N9				1000	
270	N9		Reference Number	O	O	1		

280	MSG	Message Text	O	O	1000
LOOP ID - N1					200
290	N1	Name	O	O	1
300	N2	Additional Name Information	O	O	2
310	N3	Address Information	O	O	2
320	N4	Geographic Location	O	O	1
330	REF	Reference Numbers	O	O	12
340	PER	Administrative Communications Contact	O	O	3
350	FOB	F.O.B. Related Instructions	O	O	1
360	TD1	Carrier Details (Quantity and Weight)	O	-	2
370	TD5	Carrier Details (Routing Sequence/Transit Time)	O	O	12
380	TD3	Carrier Details (Equipment)	O	-	12
390	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
400	PKG	Marking, Packaging, Loading	O	-	25
LOOP ID - PO1					100000
410	PO1	Purchase Order Baseline Item Data	M	M	1
420	CUR	Currency	O	-	1
430	PO3	Additional Item Detail	O	O	25
440	CTP	Pricing Information	O	-	25
450	PID	Product/Item Description	O	O	1000
460	MEA	Measurements	O	-	40
470	PWK	Paperwork	O	-	25
480	PKG	Marking, Packaging, Loading	O	-	25
490	PO4	Item Physical Details	O	O	1
500	REF	Reference Numbers	O	O	12
510	PER	Administrative Communications Contact	O	-	3
520	SSS	Special Services	O	-	25
530	ITA	Allowance, Charge or Service	O	O	10
540	IT8	Conditions of Sale	O	-	1
550	ITD	Terms of Sale/Deferred Terms of Sale	O	-	2
560	TAX	Tax Reference	O	O	3
570	FOB	F.O.B. Related Instructions	O	-	1
580	SDQ	Destination Quantity	O	-	500
590	IT3	Additional Item Data	O	-	5
600	DTM	Date/Time/Period	O	O	10
610	LDT	Lead Time	O	-	12
620	SCH	Line Item Schedule	O	O	104
630	TD1	Carrier Details (Quantity and Weight)	O	-	1
640	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12
650	TD3	Carrier Details (Equipment)	O	-	12
660	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
670	MAN	Marks and Numbers	O	-	10
680	AMT	Monetary Amount	O	-	1
LOOP ID - SLN					1000
690	SLN	Subline Item Detail	O	-	1

700	PID	Product/Item Description	O	-	1000
710	PO3	Additional Item Detail	O	-	104
LOOP ID - N9					1000
720	N9	Reference Number	O	O	1
730	MSG	Message Text	O	O	1000
LOOP ID - N1					200
740	N1	Name	O	-	1
750	N2	Additional Name Information	O	-	2
760	N3	Address Information	O	-	2
770	N4	Geographic Location	O	-	1
780	REF	Reference Numbers	O	-	12
790	PER	Administrative Communications Contact	O	-	3
800	FOB	F.O.B. Related Instructions	O	-	1
810	TD1	Carrier Details (Quantity and Weight)	O	-	2
820	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12
830	TD3	Carrier Details (Equipment)	O	-	12
840	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
850	PKG	Marking, Packaging, Loading	O	-	25
860	CTT	Transaction Totals	M	M	1
870	AMT	Monetary Amount	O	-	1
880	SE	Transaction Set Trailer	M	M	1

**Introduction:**

This standard provides the format and establishes the data contents of a purchase order transaction set. The purchase order transaction set provides 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:**

	Pos. No.	Seg. ID	Name	Usage		Max.Use	Loop Repeat	Notes and Comments
				ANSI	GM			
010	ST		Transaction Set Header	M	M	1		
020	BEG		Beginning Segment for Purchase Order	M	M	1		
030	NTE		Note/Special Instruction	F	-	100		
040	CUR		Currency	O	O	1		
050	REF		Reference Numbers	O	O	12		
060	PER		Administrative Communications Contact	O	-	3		
070	TAX		Tax Reference	O	O	3		
080	FOB		F.O.B. Related Instructions	O	O	1		
090	CTP		Pricing Information	O	-	25		
100	SSS		Special Services	O	-	25		
110	CSH		Header Sale Condition	O	O	1		
120	ITA		Allowance, Charge or Service	O	O	10		
130	ITD		Terms of Sale/Deferred Terms of Sale	O	O	5		
140	DIS		Discount Detail	O	-	20		
150	DTM		Date/Time/Period	O	O	10		
160	LDT		Lead Time	O	-	12		
170	SHH		General Schedule	O	-	5		
180	LIN		Item Identification	O	-	5		
190	PID		Product/Item Description	O	-	200		
200	MEA		Measurements	O	-	40		
210	PWK		Paperwork	O	-	25		
220	PKG		Marking, Packaging, Loading	O	-	25		
230	TD1		Carrier Details (Quantity and Weight)	O	-	2		
240	TD5		Carrier Details (Routing Sequence/Transit Time)	O	O	12		
250	TD3		Carrier Details (Equipment)	O	-	12		
260	TD4		Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5		
270	MAN		Marks and Numbers	O	-	10		
280	CTB		Restrictions/Conditions	O	-	5		
LOOP ID - N9							1000	
290	N9		Reference Number	O	O	1		
300	MSG		Message Text	O	O	1000		
LOOP ID - N1							200	
310	N1		Name	O	O	1		



320	N2	Additional Name Information	O	O	2
330	N3	Address Information	O	O	2
340	N4	Geographic Location	O	O	1
350	REF	Reference Numbers	O	O	12
360	PER	Administrative Communications Contact	O	O	3
370	FOB	F.O.B. Related Instructions	O	O	1
380	TD1	Carrier Details (Quantity and Weight)	O	-	2
390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	O	12
400	TD3	Carrier Details (Equipment)	O	-	12
410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
420	PKG	Marking, Packaging, Loading	O	-	25

**Detail:**

Pos. No.	Seg. ID	Name	Usage		Max.Use	Loop Repeat	Notes and Comments
			ANSI	GM			
LOOP ID - PO1						100000	
010	PO1	Purchase Order Baseline Item Data	M	M	1		
020	CUR	Currency	O	-	1		
030	PO3	Additional Item Detail	O	O	25		
040	CTP	Pricing Information	O	-	25		
050	PID	Product/Item Description	O	O	1000		
060	MEA	Measurements	O	-	40		
070	PWK	Paperwork	O	-	25		
080	PKG	Marking, Packaging, Loading	O	-	25		
090	PO4	Item Physical Details	O	O	1		
100	REF	Reference Numbers	O	O	12		
110	PER	Administrative Communications Contact	O	-	3		
120	SSS	Special Services	O	-	25		
130	ITA	Allowance, Charge or Service	O	O	10		
140	IT8	Conditions of Sale	O	-	1		
150	ITD	Terms of Sale/Deferred Terms of Sale	O	-	2		
160	DIS	Discount Detail	O	-	20		
170	TAX	Tax Reference	O	O	3		
180	FOB	F.O.B. Related Instructions	O	-	1		
190	SDQ	Destination Quantity	O	-	500		
200	IT3	Additional Item Data	O	-	5		
210	DTM	Date/Time/Period	O	O	10		
220	LDT	Lead Time	O	-	12		
230	SCH	Line Item Schedule	O	O	104		
240	TD1	Carrier Details (Quantity and Weight)	O	-	1		
250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12		
260	TD3	Carrier Details (Equipment)	O	-	12		
270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5		
280	MAN	Marks and Numbers	O	-	10		
290	AMT	Monetary Amount	O	-	1		
LOOP ID - SLN						1000	

300	SLN	Subline Item Detail	O	-	1
310	PID	Product/Item Description	O	-	1000
320	PO3	Additional Item Detail	O	-	104
<b>LOOP ID - N9</b>					<b>1000</b>
330	N9	Reference Number	O	O	1
340	MSG	Message Text	O	O	1000
<b>LOOP ID - N1</b>					<b>200</b>
350	N1	Name	O	-	1
360	N2	Additional Name Information	O	-	2
370	N3	Address Information	O	-	2
380	N4	Geographic Location	O	-	1
390	REF	Reference Numbers	O	-	12
400	PER	Administrative Communications Contact	O	-	3
410	FOB	F.O.B. Related Instructions	O	-	1
420	TD1	Carrier Details (Quantity and Weight)	O	-	2
430	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12
440	TD3	Carrier Details (Equipment)	O	-	12
450	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
460	PKG	Marking, Packaging, Loading	O	-	25

### Summary:

	Pos. No.	Seg. ID	Name	Usage		Loop Max.Use	Notes and Repeat	Comments
				ANSI	GM			
010	CTT		Transaction Totals	M	M	1		
020	AMT		Monetary Amount	O	-	1		
030	SE		Transaction Set Trailer	M	M	1		

**Introduction:**

This standard provides the format and establishes the data contents of a purchase order transaction set. The purchase order transaction set provides 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:**

Pos. No.	Seg. ID	Name	Usage		Max.Use	Loop Repeat	Notes and Comments
			ANSI	GM			
010	ST	Transaction Set Header	M	M	1		
020	BEG	Beginning Segment for Purchase Order	M	M	1		
030	NTE	Note/Special Instruction	F	-	100		
040	CUR	Currency	O	O	1		
050	REF	Reference Numbers	O	O	12		
060	PER	Administrative Communications Contact	O	-	3		
070	TAX	Tax Reference	O	O	3		
080	FOB	F.O.B. Related Instructions	O	O	1		
090	CTP	Pricing Information	O	-	25		
100	SSS	Special Services	O	-	25		
110	CSH	Header Sale Condition	O	O	1		
120	ITA	Allowance, Charge or Service	O	O	10		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	O	5		
140	DIS	Discount Detail	O	-	20		
150	DTM	Date/Time/Period	O	O	10		
160	LDT	Lead Time	O	-	12		
180	LIN	Item Identification	O	-	5		n1
190	PID	Product/Item Description	O	-	200		
200	MEA	Measurements	O	-	40		
210	PWK	Paperwork	O	-	25		
220	PKG	Marking, Packaging, Loading	O	-	200		
230	TD1	Carrier Details (Quantity and Weight)	O	-	2		
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	O	12		
250	TD3	Carrier Details (Equipment)	O	-	12		
260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5		
270	MAN	Marks and Numbers	O	-	10		
280	CTB	Restrictions/Conditions	O	-	5		
LOOP ID - N9						1000	
290	N9	Reference Number	O	O	1		
300	MSG	Message Text	O	O	1000		
LOOP ID - N1						200	
310	N1	Name	O	O	1		

320	N2	Additional Name Information	O	O	2
330	N3	Address Information	O	O	2
340	N4	Geographic Location	O	O	1
350	REF	Reference Numbers	O	O	12
360	PER	Administrative Communications Contact	O	O	3
370	FOB	F.O.B. Related Instructions	O	O	1
380	TD1	Carrier Details (Quantity and Weight)	O	-	2
390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	O	12
400	TD3	Carrier Details (Equipment)	O	-	12
410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
420	PKG	Marking, Packaging, Loading	O	-	200

**Detail:**

Pos. No.	Seg. ID	Name	Usage		Max.Use	Loop Repeat	Notes and Comments
			ANSI	GM			
LOOP ID - PO1						100000	
010	PO1	Purchase Order Baseline Item Data	M	M	1		
020	CUR	Currency	O	-	1		
030	PO3	Additional Item Detail	O	O	25		
040	CTP	Pricing Information	O	-	25		
049	MEA	Measurements	O	-	40		
LOOP ID - PID						1000	
050	PID	Product/Item Description	O	O	1		
060	MEA	Measurements	O	-	10		
070	PWK	Paperwork	O	-	25		
080	PKG	Marking, Packaging, Loading	O	-	200		
090	PO4	Item Physical Details	O	O	1		
100	REF	Reference Numbers	O	O	12		
110	PER	Administrative Communications Contact	O	-	3		
120	SSS	Special Services	O	-	25		
130	ITA	Allowance, Charge or Service	O	O	10		
140	IT8	Conditions of Sale	O	-	1		
150	ITD	Terms of Sale/Deferred Terms of Sale	O	-	2		
160	DIS	Discount Detail	O	-	20		
170	TAX	Tax Reference	O	O	3		
180	FOB	F.O.B. Related Instructions	O	-	1		
190	SDQ	Destination Quantity	O	-	500		
200	IT3	Additional Item Data	O	-	5		
210	DTM	Date/Time/Period	O	O	10		
220	LDT	Lead Time	O	-	12		
230	SCH	Line Item Schedule	O	O	200		n2
240	TD1	Carrier Details (Quantity and Weight)	O	-	1		
250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12		
260	TD3	Carrier Details (Equipment)	O	-	12		
270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5		

280	MAN	Marks and Numbers	O	-	10
290	AMT	Monetary Amount	O	-	1
LOOP ID - SLN					1000
300	SLN	Subline Item Detail	O	-	1
310	PID	Product/Item Description	O	-	1000
320	PO3	Additional Item Detail	O	-	104
LOOP ID - N9					1000
330	N9	Reference Number	O	O	1
340	MSG	Message Text	O	O	1000
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
390	REF	Reference Numbers	O	-	12
400	PER	Administrative Communications Contact	O	-	3
410	FOB	F.O.B. Related Instructions	O	-	1
420	TD1	Carrier Details (Quantity and Weight)	O	-	2
430	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12
440	TD3	Carrier Details (Equipment)	O	-	12
450	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
460	PKG	Marking, Packaging, Loading	O	-	200

### Summary:

Pos. No.	Seg. ID	Name	Usage		Max.Use	Loop Repeat	Notes and Comments
			ANSI	GM			
010	CTT	Transaction Totals	M	M	1		n3
020	AMT	Monetary Amount	O	-	1		
030	SE	Transaction Set Trailer	M	M	1		

### Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
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.

Note: A dash (-) in the GM Usage column means GM does not currently use the segment and is not contained in this document.

## SECTION II –Segment Directory

Segment <u>ID</u>	<u>Name</u>
BEG	Beginning Segment – Purchase Order
CSH	Header Sale Condition
CTT	Transaction Totals
CUR	Currency
DTM	Date/Time Reference
FOB	F.O.B. Related Instructions
ITA	Allowance, Charge or Service
ITD	Terms of Sale/Deferred Terms of Sale
MSG	Message Text
N1	Name
N2	Additional Name Information
N3	Address Information
N4	Geographic Location
N9	Reference Number
PER	Administrative Communications Contact
PID	Product/Item Description
PO1	Purchase Order Baseline Item Data
PO3	Additional Item Detail
PO4	Item Physical Details
REF	Reference Numbers
SCH	Line Item Schedule
SE	Transaction Set Trailer
ST	Transaction Set Header
TAX	Sales Tax Reference
TD5	Carrier Details (Routing Sequence/Transit Time)

## SECTION III -GM Segment Clarification

### Heading

**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:**  
**Comments:** The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	ST01	<b>143 Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 850 X12.1 Purchase Order	<b>M ID 3/3</b>
>>	ST02	<b>329 Transaction Set Control Number</b> Identifying control number assigned by the originator for a transaction set. A unique number assigned by GM to each transaction set within a functional group.	<b>M AN 4/9</b>

**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:**

**Comments:**

**Notes:** If BEG02 equals "RL," then the transaction is a Release against a Blanket Order and the Release Number will appear in BEG04.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	<b>BEG01</b>	<b>353 Transaction Set Purpose Code</b> Code identifying purpose of transaction set	<b>M ID 2/2</b>
		00 Original	
		06 Confirmation	
		18 Reissue	
>>	<b>BEG02</b>	<b>92 Purchase Order Type Code</b> Code specifying the type of Purchase Order	<b>M ID 2/2</b>
		BE Blanket Order/Estimated Quantities (Not firm Commitment)	
		FH Fabricate and Hold	
		RL Release (Blanket Order) An order for goods and services placed against a pre-existing contract or blanket order	
		SA Stand-alone Order	
>>	<b>BEG03</b>	<b>324 Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	<b>M AN 1/22</b>
		Buyer's P.O. number or blanket order number.	
	<b>BEG04</b>	<b>328 Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	<b>O AN 1/30</b>
>>	<b>BEG05</b>	<b>323 Purchase Order Date</b> Date assigned by the purchaser to Purchase Order	<b>M DT 6/6</b>
		Document creation date.	
	<b>BEG06</b>	<b>367 Contract Number</b> Contract number	<b>O AN 1/30</b>
		When sending information utilizing version 002003, this information may be transmitted in BEG07.	
	<b>BEG07</b>	<b>587 Acknowledgment Type</b> Code specifying the type of acknowledgment	<b>O ID 2/2</b>
		AK Acknowledge - No Detail or Change	
		NA No Acknowledgment Needed	



**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  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 Monetary values are assumed to be expressed in the currency of the country of the transaction originator unless the optional CUR segment is used to specify a different currency. The CUR segment also permits the transaction originator to indicate a specific exchange rate, foreign exchange location and date/time as the basis for a currency conversion. Example 1. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the heading area of a transaction, would indicate that all monetary values appearing in the transaction are expressed in Canadian Dollars (CAD). (In this example the exchange rate is at the discretion of the receiver). CUR\*BY\*CAD\* N/L Example 2. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the detail area of a transaction, describes a currency conversion for that particular item from U.S. dollars to Canadian dollars. It also indicates that a specific exchange rate, at a specified foreign exchange location on a given date/time be used as the basis for the currency conversion. Notes below the diagram describe the meaning of the element values.  
CUR\*BY\*USD\*1.20\*SE\*CAD\*NY\*007\*840821\*1400 N/L 1 2 3 4 1.  
Identifies the buyer's (BY) currency as U.S. dollars (USD). 2. The multiplier (1.20) is the exchange rate factor for the conversion. 3. Identifies the seller's (SE) currency as Canadian dollars (CAD). 4. Indicates the basis for the exchange rate as the New York Foreign Exchange (NY) and the effective date/time (007) as August 21, 1984 (840821) at 2:00 P.M. (1400). The value for this item is to be converted to Canadian dollars (CAD) at the exchange rate of 1.20, based on the New York Foreign Exchange (NY) at 2:00 P.M. (1400) on August 21, 1984. The actual unit price conversion for the item would be: The unit price value 7.50 (U.S. dollars) multiplied by the exchange rate (1.20) equals 9.00 Canadian dollars (7.50 X 1.20 = 9.00) CUR07 through CUR21 provide for five (5) dates/times relating to the currency conversion, i.e., effective date, expiration date, etc.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	CUR01	98 Entity Identifier Code Code identifying an organizational entity or a physical location. BY Buying Party (Purchaser) SE Selling Party	M ID 2/2
>>	CUR02	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified The ISO 4217 three character alpha codes will be used	M ID 3/3
X	CUR03	280 Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O R 4/6
X	CUR04	98 Entity Identifier Code Code identifying an organizational entity or a physical location.	O ID 2/2
X	CUR05	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3
X	CUR06	669 Currency Market/Exchange Code	O ID 3/3

			Code identifying the market upon which the currency exchange rate is based	
X	CUR07	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR08	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	CUR09	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/4
X	CUR10	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR11	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	CUR12	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/4
X	CUR13	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR14	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	CUR15	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/4
X	CUR16	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR17	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	CUR18	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/4
X	CUR19	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR20	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	CUR21	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/4

**Segment:** **REF** Reference Numbers  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. MY Model year number PR Price Quote Number	M ID 2/2
	REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
X	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	C AN 1/80

**Segment:** **TAX** Tax Reference  
**Position:** 070  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To provide data required for proper notification/determination of applicable sales and related taxes applying to the transaction.

**Syntax Notes:**  
**1** At least one of TAX01 or TAX02 is required.  
**2** If TAX02 is present, then TAX03 is required.

**Semantic Notes:**  
**Comments:**  
**1** Tax ID number is, in many instances, referred to as a "Tax Exemption Number." The paired (combined) use of data elements 309 and 310 provides for the designation of five (5) taxing jurisdictions.  
**2** TAX01 is required if tax exemption is being claimed.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TAX01	325	<b>Tax Identification Number</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number Tax exemption number or sales tax license number should be provided, if applicable.	C AN 1/20
TAX02	309	<b>Location Qualifier</b> Code identifying type of location SP State/Province	C ID 1/2
TAX03	310	<b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX04	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX05	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX06	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX07	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX08	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX09	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX10	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX11	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX12	441 <b>Tax Exempt Code</b> Code identifying exemption status from sales and use tax	O ID 1/1

**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 FOB07 is present, then FOB06 is required.

**Semantic Notes:**

**Comments:** 1 FOB01 indicates which party will pay the carrier.

2 FOB02 is the code specifying transportation responsibility location.

3 FOB06 is the code specifying title passage location.

**Notes:** If FOB terms apply to all shipping and receiving addresses for a transaction set, one overall FOB segment will appear in the Heading area. However, if an exception FOB segment is required, an FOB segment will be used in the N1 loop to override the general FOB outside the N1 loop. Refer to Appendix A for more information.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>>	FOB01	<b>146 Shipment Method of Payment</b> Code identifying payment terms for transportation charges CC Collect PC Prepaid but Charged to Customer PP Prepaid (by Seller)	<b>M ID 2/2</b>
	FOB02	<b>309 Location Qualifier</b> Code identifying type of location Identifies a transportation responsibility location. AC City and State	<b>C ID 1/2</b>
	FOB03	<b>352 Description</b> A free-form description to clarify the related data elements and their content City, State/Province Name.	<b>O AN 1/80</b>
X	FOB04	<b>334 Transportation Terms Qualifier Code</b> Code identifying the source of the transportation terms	<b>O ID 2/2</b>
X	FOB05	<b>335 Transportation Terms Code</b> Code identifying the trade terms which apply to the shipment transportation responsibility	<b>C ID 3/3</b>
	FOB06	<b>309 Location Qualifier</b> Code identifying type of location DE Destination (Shipping) OR Origin (Shipping Point)	<b>C ID 1/2</b>
	FOB07	<b>352 Description</b> A free-form description to clarify the related data elements and their content Location of Title Passage.	<b>O AN 1/80</b>
X	FOB08	<b>54 Risk of Loss Qualifier</b> Code specifying where responsibility for risk of loss passes	<b>O ID 2/2</b>
X	FOB09	<b>352 Description</b> A free-form description to clarify the related data elements and their content	<b>C AN 1/80</b>

**Segment:** **CSH** Header Sale Condition  
**Position:** 110  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify general conditions or requirements of the sale  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	CSH01	563	<b>Sales Requirement Code</b> Code to identify a specific requirement or agreement of sale N No Back Order	O ID 1/2
X	CSH02	564	<b>Do-Not-Exceed Action Code</b> Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565)	O ID 1/1
X	CSH03	565	<b>Do-Not-Exceed Amount</b> Maximum monetary amount value which the order must not exceed.	C N2 2/9
X	CSH04	508	<b>Account Number</b> Account number assigned	O AN 1/35
X	CSH05	596	<b>Required Invoice Date</b> Date specified by the sender to be shown on the invoice.	O DT 6/6
X	CSH06	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values	O ID 2/2
X	CSH07	560	<b>Special Services Code</b> Code identifying the special service	C ID 2/10

**Segment:** **ITA** Allowance, Charge or Service  
**Position:** 120  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify allowances, charges, or services  
**Syntax Notes:**

- 1 If ITA02 is present, then at least one of ITA03 or ITA13 is required.
- 2 If ITA08 is present, then ITA09 is required.
- 3 If ITA10 is present, then ITA11 is required.

**Semantic Notes:**  
**Comments:**

- 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
- 2 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	<b>ITA01</b>	<b>248 Allowance or Charge Indicator</b>	<b>M ID 1/1</b>
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	<b>ITA02</b>	<b>559 Agency Qualifier Code</b>	<b>O ID 2/2</b>
		Code identifying the agency assigning the code values	
		AX ANSI Accredited Standards Committee, X12	
	<b>ITA03</b>	<b>560 Special Services Code</b>	<b>C ID 2/10</b>
		Code identifying the special service	
		C0032 Coating (Dip, Rustproof, EDP)	
		N0020 Non-returnable Containers	
		PC Packaging Service	
		R0076 Returnable Container	
		SH Special Handling Service	
		SU Set-up	
>>	<b>ITA04</b>	<b>331 Allowance or Charge Method of Handling Code</b>	<b>M ID 2/2</b>
		Code indicating method of handling for an allowance or charge	
		02 Off Invoice	
X	<b>ITA05</b>	<b>341 Allowance or Charge Number</b>	<b>O AN 1/16</b>
		The number assigned by a vendor referencing an allowance, promotion, deal or charge	
	<b>ITA06</b>	<b>359 Allowance or Charge Rate</b>	<b>O R 1/9</b>
		Allowance or Charge Rate per Unit	
	<b>ITA07</b>	<b>360 Allowance or Charge Total Amount</b>	<b>O N2 1/9</b>
		Total dollar amount for the allowance or charge	
	<b>ITA08</b>	<b>378 Allowance/Charge Percent Qualifier</b>	<b>O ID 1/1</b>
		Code indicating on what basis allowance or charge percent is calculated	
	<b>ITA09</b>	<b>332 Allowance or Charge Percent</b>	<b>C R 1/6</b>
		Allowance or charge expressed as a percent.	
	<b>ITA10</b>	<b>339 Allowance or Charge Quantity</b>	<b>O R 1/10</b>
		Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity	

	<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>C</b>	<b>ID 2/2</b>
			Code identifying the basic unit of measurement.		
<b>X</b>	<b>ITA12</b>	<b>380</b>	<b>Quantity</b>	<b>O</b>	<b>R 1/10</b>
			Numeric value of quantity – aka Quantity of ‘Free Goods’		
	<b>ITA13</b>	<b>352</b>	<b>Description</b>	<b>C</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
	<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>O</b>	<b>ID 3/3</b>
			Code identifying type of special charge or allowance		
			CRC            Core Charge		
			FAB            F.E.T. Federal Excise Tax		
			LLC            Lot Charge		
			MAD            Minimum Order/Minimum Billing Charge		
			TAH            Tool Charge		



**Segment:** **ITD** Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**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:**  
**Comments:**

- 1 If the code in ITD01 is 04, then ITD09 is required and either ITD11 or ITD12 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.

**Notes:** Appendix A must be reviewed to properly map ITD information.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
ITD01	336	<b>Terms Type Code</b>	<b>O ID 2/2</b>
		Code identifying type of payment terms	
		05 Discount Not Applicable	
		08 Basic Discount Offered	
		09 Proximo	
		10 Instant	
		13 Seller to advise buyer	
ITD02	333	<b>Terms Basis Date Code</b>	<b>O ID 1/2</b>
		Code identifying the beginning of the terms period	
		1 Ship Date	
		2 Delivery Date	
		3 Invoice Date	
ITD03	338	<b>Terms Discount Percent</b>	<b>O R 1/6</b>
		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 <b>Terms Discount Due Date</b>	<b>C DT 6/6</b>
		Date payment is due if discount is to be earned	
	ITD05	351 <b>Terms Discount Days Due</b>	<b>C N0 1/3</b>
		Number of days in the terms discount period by which payment is due if terms discount is earned	
		A default value of 999 will appear when an actual number of days is not available.	
X	ITD06	446 <b>Terms Net Due Date</b>	<b>O DT 6/6</b>
		Date when total invoice amount becomes due	
	ITD07	386 <b>Terms Net Days</b>	<b>O N0 1/3</b>
		Number of days until total invoice amount is due (discount not applicable)	
	ITD08	362 <b>Terms Discount Amount</b>	<b>O N2 1/10</b>
		Total amount of terms discount	
X	ITD09	388 <b>Terms Deferred Due Date</b>	<b>O DT 6/6</b>
		Date deferred payment or percent of invoice payable is due	
X	ITD10	389 <b>Deferred Amount Due</b>	<b>C N2 1/10</b>
		Deferred amount due for payment	
X	ITD11	342 <b>Percent of Invoice Payable</b>	<b>C R 1/5</b>

			Amount of invoice payable expressed in percent	
<b>X</b>	<b>ITD12</b>	<b>352</b>	<b>Description</b>	<b>O AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
	<b>ITD13</b>	<b>765</b>	<b>Day of Month</b>	<b>C N0 1/2</b>
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
<b>X</b>	<b>ITD14</b>	<b>107</b>	<b>Payment Method Code</b>	<b>O ID 1/1</b>
			Code identifying type of payment procedures	

**Segment:** **DTM** Date/Time/Period  
**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 or DTM03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	<b>M ID 3/3</b>
			007 Effective	
			036 Expiration Date coverage expires	
			069 Promised for Delivery	
			106 Required By	
	DTM02	373	<b>Date</b> Date (YYMMDD)	<b>C DT 6/6</b>
X	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	<b>C TM 4/4</b>
X	DTM04	623	<b>Time Code</b> 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	<b>O ID 2/2</b>

**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:** At least one of TD502 TD504 or TD505 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	TD501	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	O ID 1/2
X	TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	C ID 1/2
X	TD503	67	<b>Identification Code</b> Code identifying a party.	C ID 2/17
X	TD504	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment	C ID 1/2
	TD505	387	<b>Routing</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	C AN 1/35
X	TD506	368	<b>Shipment/Order Status Code</b> 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	O ID 2/2
X	TD507	309	<b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TD508	310	<b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TD509	731	<b>Transit Direction Code</b> The point of origin and point of direction	O ID 2/2
X	TD510	732	<b>Transit Time Direction Qualifier</b> Code specifying the value of time used to measure the transit time	O ID 2/2
X	TD511	733	<b>Transit Time</b> The numeric amount of transit time	C R 1/4

**Segment:** N9 Reference Number  
**Position:** 290  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers and descriptive information as specified by the reference number qualifier  
**Syntax Notes:** At least one of N902 or N903 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N901	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. CJ Clause Number PO Purchase Order Number	M ID 2/2
	N902	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text	C AN 1/45
X	N904	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	N905	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/4

**Segment:** **MSG** Message Text  
**Position:** 300  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1000  
**Purpose:** To provide a free form format that would allow the transmission of text information.  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** .

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	MSG01	933	<b>Free-Form Message Text</b> Free-form message text	M AN 1/264
			GM message text maximum is limited to 99 characters.	
X	MSG02	934	<b>Printer Carriage Control Code</b> A field to be used for the control of the line feed of the receiving printer	O ID 2/2

**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:** 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.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>> N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity or a physical location. BT Party to be Billed For Other Than Freight(Bill To) BY Buying Party (Purchaser) MI Planning Schedule/Material Release Issuer RE Party to receive commercial invoice remittance SE Selling Party SF Ship From ST Ship To	M ID 2/2
N102	93	<b>Name</b> Free-form name	C AN 1/35
N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 Dun and Bradstreet (Credit Reporting) (DUNS) 92 Assigned by Buyer or Buyer's Agent	C ID 1/2
N104	67	<b>Identification Code</b> Code identifying a party. If N103 is 92, N104 will contain a local vendor or CISCO code. A three (3) position internal GM address code may also be added to the CISCO code.	C ID 2/17

**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:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N201	93	Name Free-form name	M AN 1/35
	N202	93	Name Free-form name	O AN 1/35



**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

**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 At least one of N401 or N405 is required.
- 2 If N401 is present, then N402 is required.
- 3 If either N405 or N406 is present, then the other 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 USA or Canada.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>C AN 2/19</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>C ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 4/9</b>
<b>N404</b>	<b>26</b>	<b>Country Code</b> Code identifying the country GM will send a three character code from ISO 3166-1	<b>O ID 2/2</b>
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location CC Country	<b>C ID 1/2</b>
<b>N406</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location	<b>C AN 1/25</b>

**Segment:** **REF** Reference Numbers  
**Position:** 350  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. MY Model year number PR Price Quote Number	M ID 2/2
	REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
X	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	C AN 1/80

**Segment:** **PER Administrative Communications Contact**  
**Position:** 360  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** If PER03 is present, then PER04 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** The term communication in the title relates to the interpersonal communications, not network or telecommunications contact.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>> PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named	<b>M ID 2/2</b>
		BD Buyer Name or Department	
		CW Confirmed With	
		EX Expeditor	
		HM Hazardous Material Contact	
		OC Order Contact	
		SR Sales Representative or Department	
PER02	93	<b>Name</b> Free-form name	<b>O AN 1/35</b>
PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	<b>O ID 2/2</b>
		TE Telephone	
PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>C AN 7/21</b>

**Segment:** **FOB F.O.B. Related Instructions**

**Position:** 370

**Loop:** N1 Optional

**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 FOB07 is present, then FOB06 is required.

**Semantic Notes:**

**Comments:** 1 FOB01 indicates which party will pay the carrier.

2 FOB02 is the code specifying transportation responsibility location.

3 FOB06 is the code specifying title passage location.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	FOB01	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges CC Collect PC Prepaid but Charged to Customer PP Prepaid (by Seller)	M ID 2/2
	FOB02	309	<b>Location Qualifier</b> Code identifying type of location AC City and State	C ID 1/2
	FOB03	352	<b>Description</b> A free-form description to clarify the related data elements and their content City, State/Province Name.	O AN 1/80
X	FOB04	334	<b>Transportation Terms Qualifier Code</b> Code identifying the source of the transportation terms	O ID 2/2
X	FOB05	335	<b>Transportation Terms Code</b> Code identifying the trade terms which apply to the shipment transportation responsibility	C ID 3/3
	FOB06	309	<b>Location Qualifier</b> Code identifying type of location DE Destination (Shipping) OR Origin (Shipping Point)	C ID 1/2
	FOB07	352	<b>Description</b> A free-form description to clarify the related data elements and their content Location of Title Passage.	O AN 1/80
X	FOB08	54	<b>Risk of Loss Qualifier</b> Code specifying where responsibility for risk of loss passes	O ID 2/2
X	FOB09	352	<b>Description</b> A free-form description to clarify the related data elements and their content	C AN 1/80

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Position:** 390  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify the carrier and sequence of routing and provide transit time information  
**Syntax Notes:** At least one of TD502 TD504 or TD505 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	TD501	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	O ID 1/2
X	TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	C ID 1/2
X	TD503	67	<b>Identification Code</b> Code identifying a party.	C ID 2/17
X	TD504	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment	C ID 1/2
	TD505	387	<b>Routing</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	C AN 1/35
X	TD506	368	<b>Shipment/Order Status Code</b> 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	O ID 2/2
X	TD507	309	<b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TD508	310	<b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TD509	731	<b>Transit Direction Code</b> The point of origin and point of direction	O ID 2/2
X	TD510	732	<b>Transit Time Direction Qualifier</b> Code specifying the value of time used to measure the transit time	O ID 2/2
X	TD511	733	<b>Transit Time</b> The numeric amount of transit time	C R 1/4

# Detail

## Segment: **PO1** Purchase Order Baseline Item Data

- Position:** 010  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used purchase order line item data  
**Syntax Notes:**
  - 1 If PO105 is present, then PO104 is required.
  - 2 If PO106 is present, then PO107 is required.
  - 3 If PO108 is present, then PO109 is required.
  - 4 If PO110 is present, then PO111 is required.
  - 5 If PO112 is present, then PO113 is required.
  - 6 If PO114 is present, then PO115 is required.
- Semantic Notes:**  
**Comments:**
  - 1 See the Data Dictionary for a complete list of ID's.
  - 2 PO101 is the line item identification.
  - 3 PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
PO101	350	<b>Assigned Identification</b>		<b>O AN 1/6</b>
		Alphanumeric characters assigned for differentiation within a transaction set		
>>	PO102	<b>Quantity Ordered</b>		<b>M R 1/9</b>
		Quantity ordered		
>>	PO103	<b>Unit or Basis for Measurement Code</b>		<b>M ID 2/2</b>
		Code identifying the basic unit of measurement.		
	PO104	<b>Unit Price</b>		<b>C R 1/14</b>
		Price per unit of product, service, commodity, etc.		
	PO105	<b>Basis of Unit Price Code</b>		<b>O ID 2/2</b>
		Code identifying the type of unit price for an item		
		AP	Advise Price	
		CT	Contract	
		NC	No Charge	
		NE	Not to Exceed	
	PO106	<b>Product/Service ID Qualifier</b>		<b>O ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		BP	Buyer's Part Number	
		CB	Buyer's Catalog Number	
		DN	Die Number	
		IN	Buyer's Item Number	
		OH	Opposite-Hand Part Number	
		PI	Purchaser's Item Code	
		PN	Company Part Number	
		PT	Print or Drawing	
		VP	Vendor's (Seller's) Part Number	

	PO107	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
	PO108	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) Subsequent uses of data element 235 must utilize values specified but cannot repeat values previously used.	O	ID 2/2
	PO109	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
	PO110	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) Subsequent uses of data element 235 must utilize values specified but cannot repeat values previously used.	O	ID 2/2
	PO111	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
	PO112	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) Subsequent uses of data element 235 must utilize values specified but cannot repeat values previously used.	O	ID 2/2
	PO113	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
	PO114	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) Subsequent uses of data element 235 must utilize values specified but cannot repeat values previously used.	O	ID 2/2
	PO115	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
X	PO116	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID 2/2
X	PO117	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
X	PO118	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID 2/2
X	PO119	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
X	PO120	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID 2/2
X	PO121	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
X	PO122	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID 2/2
X	PO123	234	<b>Product/Service ID</b> Identifying number for a product or service	C	AN 1/30
X	PO124	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID 2/2



**X**

**PO125**

**234**

**Product/Service ID**

Identifying number for a product or service

**C AN 1/30**

**Segment:** **PO3 Additional Item Detail**  
**Position:** 030  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To specify additional item-related data involving variations in normal price/quantity structure  
**Syntax Notes:** 1 If PO304 is present, then at least one of PO303 or PO305 is required.  
**Semantic Notes:**  
**Comments:** 1 Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).  
2 PO307 defines the unit of measure for PO306.  
**Notes:** This segment will be used to specify lot quantity structures and minimum buy quantities.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	PO301	371	<b>Change Reason Code</b> Code specifying the reason for price or quantity change QP Quantity Based on Price Qualifier QT Quantity Price Break UP Unit Price	M ID 2/2
X	PO302	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
	PO303	236	<b>Price Qualifier</b> Code identifying pricing specification MNR Minimum Release Quantity Price PBQ Unit Price Beginning Quantity	C ID 3/3
	PO304	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc. Price based on PO306 and PO307.	C R 1/14
X	PO305	639	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item	C ID 2/2
>>	PO306	380	<b>Quantity</b> Numeric value of quantity Minimum Quantity	M R 1/10
>>	PO307	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	M ID 2/2
	PO308	352	<b>Description</b> A free-form description to clarify the related data elements and their content Data provided will be used to clarify information when code value 'UP' is provided in data element PO301.	O AN 1/80

**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:**  
**Semantic Notes:**  
**Comments:** When PID01 is "F", PID04 is not used.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	PID01	349	<b>Item Description Type</b> Code indicating the format of a description F Free-form	M ID 1/1
X	PID02	750	<b>Product/Process Characteristic Code</b> Code specifying the product or process characteristic being described.	O ID 2/3
X	PID03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values	C ID 2/2
X	PID04	751	<b>Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic	C ID 1/12
	PID05	352	<b>Description</b> A free-form description to clarify the related data elements and their content	C AN 1/80
X	PID06	752	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described	O ID 2/2

**Segment:** **PO4** Item Physical Details  
**Position:** 090  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item  
**Syntax Notes:** .  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	PO401	356	<b>Pack</b> Number of inner pack units per outer pack unit Standard Pack Quantity.	<b>O N0 1/6</b>
X	PO402	357	<b>Size</b> Size of supplier units in pack	<b>O R 1/8</b>
X	PO403	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	<b>C ID 2/2</b>
X	PO404	103	<b>Packaging Code</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	<b>O ID 5/5</b>
X	PO405	187	<b>Weight Qualifier</b> Code defining the type of weight	<b>O ID 1/2</b>
X	PO406	384	<b>Gross Weight per Pack</b> Numeric value of gross weight per pack	<b>C R 1/9</b>
X	PO407	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	<b>C ID 2/2</b>
X	PO408	385	<b>Gross Volume per Pack</b> Numeric value of gross volume per pack	<b>O R 1/9</b>
X	PO409	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	<b>C ID 2/2</b>
X	PO410	82	<b>Length</b> Largest horizontal dimension of an object measured when the object is in the upright position	<b>C R 1/8</b>
X	PO411	189	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position	<b>C R 1/8</b>
X	PO412	65	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position	<b>C R 1/8</b>
X	PO413	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	<b>C ID 2/2</b>

**Segment:** **REF** Reference Numbers  
**Position:** 100  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. MY Model year number PR Price Quote Number	M ID 2/2
	REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
X	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	C AN 1/80

**Segment:** **ITA** Allowance, Charge or Service  
**Position:** 130  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify allowances, charges, or services  
**Syntax Notes:** 1 If ITA02 is present, then at least one of ITA03 or ITA13 is required.  
2 If ITA08 is present, then ITA09 is required.  
3 If ITA10 is present, then ITA11 is required.

**Semantic Notes:**  
**Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.  
2 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	<b>ITA01</b> 248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	<b>M ID 1/1</b>
	<b>ITA02</b> 559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values AX ANSI Accredited Standards Committee, X12	<b>O ID 2/2</b>
	<b>ITA03</b> 560	<b>Special Services Code</b> Code identifying the special service C0032 Coating (Dip, Rustproof, EDP) N0020 Non-returnable Containers PC Packaging Service R0076 Returnable Container SH Special Handling Service SU Set-up	<b>C ID 2/10</b>
>>	<b>ITA04</b> 331	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge 02 Off Invoice	<b>M ID 2/2</b>
X	<b>ITA05</b> 341	<b>Allowance or Charge Number</b> The number assigned by a vendor referencing an allowance, promotion, deal or charge	<b>O AN 1/16</b>
	<b>ITA06</b> 359	<b>Allowance or Charge Rate</b> Allowance or Charge Rate per Unit	<b>O R 1/9</b>
	<b>ITA07</b> 360	<b>Allowance or Charge Total Amount</b> Total dollar amount for the allowance or charge	<b>O N2 1/9</b>
	<b>ITA08</b> 378	<b>Allowance/Charge Percent Qualifier</b> Code indicating on what basis allowance or charge percent is calculated	<b>O ID 1/1</b>
	<b>ITA09</b> 332	<b>Allowance or Charge Percent</b> Allowance or charge expressed as a percent.	<b>C R 1/6</b>
	<b>ITA10</b> 339	<b>Allowance or Charge Quantity</b>	<b>O R 1/10</b>

			Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity	
	<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>C ID 2/2</b>
			Code identifying the basic unit of measurement.	
<b>X</b>	<b>ITA12</b>	<b>380</b>	<b>Quantity</b>	<b>O R 1/10</b>
			Numeric value of quantity – aka such as ‘free goods’	
	<b>ITA13</b>	<b>352</b>	<b>Description</b>	<b>C AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
	<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>O ID 3/3</b>
			Code identifying type of special charge or allowance	
			CRC Core Charge	
			FAB F.E.T. Federal Excise Tax	
			LLC Lot Charge	
			MAD Minimum Order/Minimum Billing Charge	
			TAH Tool Charge	

**Segment:** **TAX** Tax Reference  
**Position:** 170  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To provide data required for proper notification/determination of applicable sales and related taxes applying to the transaction.

**Syntax Notes:**  
**1** At least one of TAX01 or TAX02 is required.  
**2** If TAX02 is present, then TAX03 is required.

**Semantic Notes:**

**Comments:**  
**1** Tax ID number is, in many instances, referred to as a "Tax Exemption Number." The paired (combined) use of data elements 309 and 310 provides for the designation of five (5) taxing jurisdictions.  
**2** TAX01 is required if tax exemption is being claimed.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
TAX01	325	<b>Tax Identification Number</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number Tax exemption number or sales tax license number should be provided, if applicable.	C AN 1/20
TAX02	309	<b>Location Qualifier</b> Code identifying type of location SP State/Province	C ID 1/2
TAX03	310	<b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX04	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX05	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX06	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX07	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX08	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX09	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX10	309 <b>Location Qualifier</b> Code identifying type of location	O ID 1/2
X	TAX11	310 <b>Location Identifier</b> Code which identifies a specific location	C AN 1/25
X	TAX12	441 <b>Tax Exempt Code</b> Code identifying exemption status from sales and use tax	O ID 1/1



**Segment:** **DTM** Date/Time/Period  
**Position:** 210  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** At least one of DTM02 or DTM03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	<b>M ID 3/3</b>
			002 Delivery Requested	
			007 Effective	
			036 Expiration Date coverage expires	
			069 Promised for Delivery	
			106 Required By	
			113 Sample Required	
	DTM02	373	<b>Date</b> Date (YYMMDD)	<b>C DT 6/6</b>
X	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	<b>C TM 4/4</b>
X	DTM04	623	<b>Time Code</b> 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	<b>O ID 2/2</b>

**Segment:** **SCH** Line Item Schedule  
**Position:** 230  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 200  
**Purpose:** To specify the data for scheduling a specific line-item

**Syntax Notes:**  
**Semantic Notes:**

**Comments:** SCH05 specifies the interpretation to be used for SCH06 and SCH07.  
**Notes:** This segment is used to specify a desired shipping date or date range for an item. When used, the Unit of Measurement Code (SCH02) will be identical to the Unit of Measurement Code in the associated PO1 segment (PO103) and the sum of the values of Quantity (SCH01) will equal the Quantity Ordered (PO102) in the PO1 segment.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
>>	<b>SCH01</b>	<b>380 Quantity</b> Numeric value of quantity	<b>M R 1/10</b>
>>	<b>SCH02</b>	<b>355 Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	<b>M ID 2/2</b>
X	<b>SCH03</b>	<b>98 Entity Identifier Code</b> Code identifying an organizational entity or a physical location.	<b>O ID 2/2</b>
X	<b>SCH04</b>	<b>93 Name</b> Free-form name	<b>C AN 1/35</b>
>>	<b>SCH05</b>	<b>374 Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 002 Delivery Requested	<b>M ID 3/3</b>
>>	<b>SCH06</b>	<b>373 Date</b> Date (YYMMDD)	<b>M DT 6/6</b>
X	<b>SCH07</b>	<b>337 Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	<b>O TM 4/4</b>
X	<b>SCH08</b>	<b>374 Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	<b>C ID 3/3</b>
X	<b>SCH09</b>	<b>373 Date</b> Date (YYMMDD)	<b>C DT 6/6</b>
X	<b>SCH10</b>	<b>337 Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	<b>O TM 4/4</b>

**Segment:** N9 Reference Number  
**Position:** 330  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers and descriptive information as specified by the reference number qualifier  
**Syntax Notes:** At least one of N902 or N903 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N901	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. CJ Clause Number PM Part Number	M ID 2/2
	N902	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
	N903	369	<b>Free-form Description</b> Free-form descriptive text	C AN 1/45
X	N904	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
X	N905	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/4

**Segment:** **MSG** Message Text  
**Position:** 340  
**Loop:** N9 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1000  
**Purpose:** To provide a free form format that would allow the transmission of text information.  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	MSG01	933	<b>Free-Form Message Text</b> Free-form message text	M AN 1/264
			GM message text maximum is limited to 99 characters.	
X	MSG02	934	<b>Printer Carriage Control Code</b> A field to be used for the control of the line feed of the receiving printer	O ID 2/2

## Summary

**Segment:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set Total number of PO1 segments.	<b>M N0 1/6</b>
	CTT02	347	<b>Hash Total</b> 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. GM will send the sum of the value of quantities ordered in PO102.	<b>O R 1/10</b>
X	CTT03	81	<b>Weight</b> Numeric value of weight	<b>O R 1/8</b>
X	CTT04	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	<b>C ID 2/2</b>
X	CTT05	183	<b>Volume</b> Value of volumetric measure	<b>O R 1/8</b>
X	CTT06	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	<b>C ID 2/2</b>
X	CTT07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>O AN 1/80</b>

**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	<b>M N0 1/6</b>
>>	SE02	329	<b>Transaction Set Control Number</b> Identifying control number assigned by the originator for a transaction set. Must match the transaction reference number in the ST - Transaction Set Header.	<b>M AN 4/9</b>

## APPENDIX A

### FOB Segment GM Mapping Example

The "GM F.O.B. Term" Column at the left determines the data that will appear in FOB01, 02, 03, 06 and 07 as indicated in the Mapping Example. The data elements below will be used in the following combinations: FOB01, 02 and 03 or FOB 01, 06 and 07.

General Motors F.O.B. TERM	FOB 01	FOB 02	FOB 03	FOB 06	FOB 07
Destination – Freight Collect	CC	AC	City, State/Province	DE	FOB Point
Shipping Point – Freight Collect	CC	AC	City, State/Province	OR	FOB Point
Destination – Freight Prepaid	PP	AC	City, State/Province	DE	FOB Point
Shipping Point – Freight Prepaid	PP	AC	City, State/Province	OR	FOB Point
Destination – Freight prepaid and added	PC	AC	City, State/Province	DE	FOB Point

### ITD Segment GM Mapping Example

The "GM Payment Term" column at the left determines the data that will appear in ITD01, 02, 03, 05, 07, 08 and 13. One Mapping Example is for Payment Terms with discounts and the other when no discount is offered.

#### "With Discounts"

GENERAL MOTORS PAYMENT TERM	ITD 01	ITD 02	ITD 03	ITD 05	ITD 07	ITD 08	ITD 13
XX Proximo	09	3	%	999		\$	XX
XX Instant	10	3	%	999		\$	XX
YY Proximo	09	3	%	999		\$	YY
XX,	09	3	%	999		\$	XX
YY, Proximo	09	3	%	999		\$	YY
XX Days	08	3	%	999	XX	\$	
XX Days/Net YY	08	3	%	XX	YY		

Note: ANSI X12 syntax rules in Versions 2.1 and 2.2 state that if ITD03 or ITD08 are used, ITD04 or ITD05 is required. To satisfy these rules, a default value of 999 will appear in ITD05 when an actual number of days is not available. Also, ITD03 or ITD08 will be present, but not both. Either a discount percentage (ITD03) or a specific dollar amount (ITD08) will be indicated.

#### "Without Discounts"

GENERAL MOTORS PAYMENT TERM	ITD 01	ITD 02	ITD 03	ITD 05	ITD 07	ITD 08	ITD 13
XX Proximo	09	3					XX
XX Instant,	10	3					XX
YY Proximo	09	3					YY
XX,	09	3					XX
YY Proximo	09	3					YY
XX Days	05	3			XX		
Immediate	05	3			1		
To be Determined	13	3					
Net XX Ship	05	1			XX		

Legend: % = The discount percentage applicable to the payment term  
 \$ = The discount dollar amount applicable to the payment term  
 XX and YY = The number of days or a specific day of the month