



GENERAL MOTORS IMPLEMENTATION GUIDELINES
FOR
ANSI X12 TRANSACTION SET 840 –
REQUEST FOR QUOTATION

CORPORATE INFORMATION STANDARDS
INFORMATION SYSTEMS & SERVICES
GENERAL MOTORS CORPORATION

TABLE OF CONTENTS

<u>TITLE</u>	<u>Page</u>
GENERAL INFORMATION	3
SECTION I – TRANSACTION SET TABLES	5
Version 2 Release 3 (002003)	5
Version 2 Release 4 (002040)	8
Version 3 Release 1 (003010)	11
SECTION II –SEGMENT DIRECTORY	14
SECTION III -GM SEGMENT CLARIFICATION	15
Heading	15
Detail	36
Summary	47
APPENDIX A	49

GENERAL INFORMATION

PURPOSE

This Generic Implementation Guideline details how General Motors intends to use the ANSI X12 transaction set 840. 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 "Request for Quote" information to their trading partners in the ANSI ASC X12 format. To ensure 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 12 840 transaction set. It also provides a table to allow comparison of all versions of the 840.

Section II describes in detail segment information in support of segments GM will use for each version of the ANSI ASC X12 840 transaction set indicated in Section III.

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

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 ASC 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 840 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 840 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=**RQ**

Introduction:

This standard provides the format and establishes the data contents of a request for quotation transaction set. The request for quotation transaction set provides potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Pos. No.	ID	Name	Usage		Seg. Max.Use	Loop Repeat	Notes & Comments
			ANSI	GM			
010	ST	Transaction Set Header	M	M	1		
020	BQT	Beginning Segment for Request for Quotation	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	-	3		
080	FOB	F.O.B. Related Instructions	O	O	1		
090	SSS	Special Services	O	-	25		
100	CSH	Header Sale Condition	O	-	1		
110	ITA	Allowance, Charge or Service	O	O	10		
120	ITD	Terms of Sale/Deferred Terms of Sale	O	O	5		
130	DIS	Discount Detail	O	-	20		
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	-	1000		
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	
265	N9	Reference Number	O	O	1		
267	MSG	Message Text	O	O	1000		
LOOP ID - N1						200	

270	N1	Name	O	O	1
280	N2	Additional Name Information	O	O	2
290	N3	Address Information	O	O	2
300	N4	Geographic Location	O	O	1
310	REF	Reference Numbers	O	-	12
320	PER	Administrative Communications Contact	O	O	3
330	FOB	F.O.B. Related Instructions	O	O	1
340	TD1	Carrier Details (Quantity and Weight)	O	-	2
350	TD5	Carrier Details (Routing Sequence/Transit Time)	O	O	12
360	TD3	Carrier Details (Equipment)	O	-	12
370	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
380	PKG	Marking, Packaging, Loading	O	-	25
LOOP ID - PO1					100000
390	PO1	Purchase Order Baseline Item Data	M	M	1
400	CUR	Currency	O	-	1
410	PO3	Additional Item Detail	O	O	25
420	PID	Product/Item Description	O	O	1000
430	MEA	Measurements	O	-	40
440	PWK	Paperwork	O	-	25
450	PKG	Marking, Packaging, Loading	O	-	25
460	PO4	Item Physical Details	O	-	1
470	REF	Reference Numbers	O	O	12
480	PER	Administrative Communications Contact	O	-	3
490	SSS	Special Services	O	-	25
500	ITA	Allowance, Charge or Service	O	O	10
510	IT8	Conditions of Sale	O	-	1
520	ITD	Terms of Sale/Deferred Terms of Sale	O	-	2
530	DIS	Discount Detail	O	-	20
540	TAX	Tax Reference	O	-	3
550	FOB	F.O.B. Related Instructions	O	-	1
560	SDQ	Destination Quantity	O	-	50
570	DTM	Date/Time/Period	O	-	10
580	LDT	Lead Time	O	-	12
590	SCH	Line Item Schedule	O	O	104
600	TD1	Carrier Details (Quantity and Weight)	O	-	1
610	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12
620	TD3	Carrier Details (Equipment)	O	-	12
630	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
640	MAN	Marks and Numbers	O	-	10
LOOP ID - SLN					1000
650	SLN	Subline Item Detail	O	-	1
660	PID	Product/Item Description	O	-	1000
LOOP ID - N9					1000
665	N9	Reference Number	O	O	1
667	MSG	Message Text	O	O	1000

LOOP ID - N1		200			
670	N1	Name	O	O	1
680	N2	Additional Name Information	O	-	2
690	N3	Address Information	O	-	2
700	N4	Geographic Location	O	-	1
710	REF	Reference Numbers	O	-	12
720	PER	Administrative Communications Contact	O	-	3
730	FOB	F.O.B. Related Instructions	O	-	1
740	TD1	Carrier Details (Quantity and Weight)	O	-	2
750	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12
760	TD3	Carrier Details (Equipment)	O	-	12
770	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
780	PKG	Marking, Packaging, Loading	O	-	25
790	CTT	Transaction Totals	M	M	1
800	SE	Transaction Set Trailer	M	M	1

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

Introduction:

This standard provides the format and establishes the data contents of a request for quotation transaction set. The request for quotation transaction set provides potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Heading:

	Pos. No.	Seg. ID	Name	Usage		Seg. Max.Use	Loop Repeat	Notes and Comments
				ANSI	GM.			
010	ST		Transaction Set Header	M	M		1	
020	BQT		Beginning Segment for Request for Quotation	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	-		3	
080	FOB		F.O.B. Related Instructions	O	O		1	
090	CTP		Pricing Information	O	-		1	
100	SSS		Special Services	O	-		25	
110	CSH		Header Sale Condition	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	RRA		Required Response	O	-		25	
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	-	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
430	RRA	Required Response	O	-	25

Detail:

Pos. No.	Seg. ID	Name	Usage			Loop Repeat	Notes and Comments
			ANSI	GM	Max.Use		
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	-	1		
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	-	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	-	3		
180	FOB	F.O.B. Related Instructions	O	-	1		
190	SDQ	Destination Quantity	O	-	50		
200	DTM	Date/Time/Period	O	-	10		
210	LDT	Lead Time	O	-	12		
220	SCH	Line Item Schedule	O	O	104		
230	FST	Forecast Schedule	O	-	999999		
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	RRA	Required Response	O	-	25		
LOOP ID - SLN						1000	

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

Summary:

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

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

Introduction:

This standard provides the format and establishes the data contents of a request for quotation transaction set. The request for quotation transaction set provides potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

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	BQT		Beginning Segment for Request for Quotation	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	-	3		
080	FOB		F.O.B. Related Instructions	O	O	1		
090	CTP		Pricing Information	O	-	1		
100	SSS		Special Services	O	-	25		
110	CSH		Header Sale Condition	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	RRA		Required Response	O	-	25		
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	-	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
430	RRA	Required Response	O	-	25

Detail:

Pos. No.	Seg. ID	Name	Usage			Loop Repeat	Notes and Comments
			ANSI	GM	Max.Use		
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	-	1		
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	-	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	-	3		
180	FOB	F.O.B. Related Instructions	O	-	1		
190	SDQ	Destination Quantity	O	-	50		
200	DTM	Date/Time/Period	O	-	10		
210	LDT	Lead Time	O	-	12		
220	SCH	Line Item Schedule	O	O	104		n2
230	FST	Forecast Schedule	O	-	>1		
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	RRA	Required Response	O	-	25
LOOP ID - SLN					1000
300	SLN	Subline Item Detail	O	-	1
310	PID	Product/Item Description	O	-	1000
LOOP ID - N9					1000
320	N9	Reference Number	O	O	1
330	MSG	Message Text	O	O	1000
LOOP ID - N1					200
340	N1	Name	O	O	1
350	N2	Additional Name Information	O	-	2
360	N3	Address Information	O	-	2
370	N4	Geographic Location	O	-	1
380	REF	Reference Numbers	O	-	12
390	PER	Administrative Communications Contact	O	-	3
400	FOB	F.O.B. Related Instructions	O	-	1
410	TD1	Carrier Details (Quantity and Weight)	O	-	2
420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	-	12
430	TD3	Carrier Details (Equipment)	O	-	12
440	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	-	5
450	PKG	Marking, Packaging, Loading	O	-	200
460	RRA	Required Response	O	-	25

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	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 ID	Name
BQT	Beginning Segment – Request for Quote
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
REF	Reference Numbers
SCH	Line Item Schedule
SE	Transaction Set Trailer
ST	Transaction Set Header
TD5	Carrier Details (Routing Sequence/Transit Time)

SECTION III -GM Segment Clarification

Heading

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
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: 1 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>	<u>Name</u>	<u>Attributes</u>
>>	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set 840 X12.7 Request for Quotation	M ID 3/3
>>	ST02	329 Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.) A unique number assigned by GM to each transaction set within a functional group.	M AN 4/9

Segment: **BQT** Beginning Segment for Request for Quotation
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
Syntax Notes: 1 If BQT05 is present, then BQT04 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	BQT01	353 Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 05 Replace 12 Not Processed 15 Re-Submission	M ID 2/2
>>	BQT02	586 Request for Quote Reference Number Number assigned by the purchaser to identify his request for quote	M AN 1/45
>>	BQT03	652 Request Quotation Control Date Date to be used for reference purposes in an RFQ and a response to RFQ. Transaction creation date	M DT 6/6
	BQT04	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 106 Required By	C ID 3/3
	BQT05	373 Date Date (YYMMDD) If used, this is the date the buyer requires the response to the RFQ to be returned by 12 Noon, CST.	O DT 6/6
	BQT06	92 Purchase Order Type Code Code specifying the type of Purchase Order BE Blanket Order/Estimated Quantities (Not firm Commitment) SA Stand-alone Order	O ID 2/2
	BQT07	960 Request for Quote Type Code Code specifying the type of request for quote 01 Request For Quote 05 Sealed Bid	O ID 2/2

Segment: CUR Currency
Position: 040
Loop:
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 Code identifying the market upon which the currency exchange rate is based	O ID 3/3

X	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR08	373	Date Date (YYMMDD)	O DT 6/6
X	CUR09	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4
X	CUR10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR11	373	Date Date (YYMMDD)	O DT 6/6
X	CUR12	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4
X	CUR13	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR14	373	Date Date (YYMMDD)	O DT 6/6
X	CUR15	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4
X	CUR16	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR17	373	Date Date (YYMMDD)	O DT 6/6
X	CUR18	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4
X	CUR19	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	C ID 3/3
X	CUR20	373	Date Date (YYMMDD)	O DT 6/6
X	CUR21	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level:
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	Reference Number Qualifier Code qualifying the Reference Number. MY Model year number	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	C AN 1/30
X	REF03	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

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

Position: 080

Loop:

Level:

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

Ref.	Data Element	Name	Attributes
>>	FOB01	146 Shipment Method of Payment 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 Location Qualifier Code identifying type of Location Identifier (310) used. This code will always identify a transportation responsibility location. AC City and State This code will always identify a transportation responsibility location	C ID 1/2
	FOB03	352 Description A free-form description to clarify the related data elements and their content City, State/Province Name.	O AN 1/80
X	FOB04	334 Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O ID 2/2
X	FOB05	335 Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS.	C ID 3/6
	FOB06	309 Location Qualifier Code identifying type of Location Identifier (310) used. These codes will always identify a title passage location DE Destination (Shipping) OR Origin (Shipping Point)	C ID 1/2
	FOB07	352 Description A free-form description to clarify the related data elements and their content Location of Title Passage.	O AN 1/80

Segment: **ITA** Allowance, Charge or Service
Position: 110
Loop:
Level:
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 Only one of ITA06 ITA07 or ITA08 may be present.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified	M ID 1/1
			N No Allowance or Charge Code value used in conjunction with versions 002003 & 002040	
			R Allowance Requested Code value used in conjunction with version 003010	
	ITA02	559	Agency Qualifier Code Code identifying the agency assigning the code values	O ID 2/2
			AX ANSI X12	
	ITA03	560	Special Services Code Code identifying the special service	C ID 2/10
			C0032 Coating (Dip, Rustproof, EDP)	
			LC Lot Charge	
			PC Packaging Service	
>>	ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge	M ID 2/2
			02 Off Invoice	
X	ITA05	341	Allowance or Charge Number The number assigned by a vendor referencing an allowance, promotion, deal or charge	O AN 1/16
	ITA06	359	Allowance or Charge Rate Allowance or Charge Rate per Unit	C R 1/9
X	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge	C N2 1/9
X	ITA08	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated	C ID 1/1
X	ITA09	332	Allowance or Charge Percent Allowance or charge expressed as a percent.	C R 1/6
X	ITA10	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the Purchase Order or Invoice quantity. Also see: Unit of Measurement Code (355.)	O R 1/10
X	ITA11	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
X	ITA12	380	Quantity	O R 1/10

			Numeric value of Quantity. – Quantity of 'Free Goods' Also see: Unit of Measurement Code (355).	
X	ITA13	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	
	ITA14	150	Special Charge or Allowance Code	O ID 3/3
			Code identifying type of special charge or allowance	
			LLC	Lot Charge

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 120
Loop:
Level:
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 or ITD05 is required.
Semantic Notes:
Comments: 1 If ITD01 equals 05 - ITD06 or ITD07 is required.
2 If ITD01 does not equal 04 or 05 - ITD03 or ITD08 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	Terms Type Code Code identifying type of payment terms	O ID 2/2
		05 Discount Not Applicable	
		08 Basic Discount Offered	
		09 Proximo	
		10 Instant	
		13 Seller to advise buyer	
>>	ITD02	Terms Basis Date Code Code identifying the beginning of the terms period	M ID 1/2
		1 Ship Date	
		2 Delivery Date	
		3 Invoice Date	
	ITD03	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	C R 1/6
X	ITD04	Terms Discount Due Date Date payment is due if discount is to be earned	C DT 6/6
	ITD05	Terms Discount Days Due 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.	C N0 1/3
X	ITD06	Terms Net Due Date Date when total invoice amount becomes due	C DT 6/6
	ITD07	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	C N0 1/3
	ITD08	Terms Discount Amount Total amount of terms discount	C N2 1/10
X	ITD09	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due. Also see: Percent of Invoice Payable (342).	O DT 6/6
X	ITD10	Deferred Amount Due Deferred amount due for payment	C N2 1/10
X	ITD11	Percent of Invoice Payable Amount of Invoice Payable expressed in percent. (re: Deferred Terms.) Also	C R 1/5

X	ITD12	352	see: Terms Type Code (336.) Description A free-form description to clarify the related data elements and their content	C AN 1/80
	ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced	C N0 1/2

Segment: **DTM** Date/Time/Period
Position: 140
Loop:
Level:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: t 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	Date/Time Qualifier Code specifying type of date or time, or both date and time 007 Effective 036 Expiration 062 Blueprint	M ID 3/3
	DTM02	373	Date Date (YYMMDD)	C DT 6/6
X	DTM03	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	C TM 4/4
X	DTM04	623	Time Code Code qualifying the time zone.	O ID 2/2

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 230
Loop:
Level:
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.
Comments:

Data Element Summary

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

Segment: N9 Reference Number
Position: 265
Loop: N9 Optional
Level:
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	Reference Number Qualifier Code qualifying the Reference Number. CJ Clause Number PO Purchase Order Number PR Price Quote Number	M ID 2/2
	N902	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	C AN 1/30
	N903	369	Free-form Description Free-form descriptive text	C AN 1/45
X	N904	373	Date Date (YYMMDD)	O DT 6/6
X	N905	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4

Segment: **MSG** Message Text
Position: 267
Loop: N9 Optional
Level:
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	Free-Form Message Text Free-form message text	M AN 1/264
			GM message text maximum is limited to 99 characters.	
X	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	O ID 2/2
X	MSG03	363	Note Reference Code Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).	O ID 3/3

Segment: **N1** Name
Position: 270
Loop: N1 Optional
Level:
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
Des.	Element		
>> N101	98	Entity Identifier Code 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 MP Manufacturing Plant RE Party to receive commercial invoice remittance SE Selling Party SF Ship From ST Ship To	M ID 2/2
N102	93	Name Free-form name	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 Dun and Bradstreet (Credit Reporting) (DUNS) 92 Assigned by Buyer	C ID 1/2
N104	67	Identification Code 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: 280
Loop: N1 Optional
Level:
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. Des.</u>	<u>Data 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: 290
Loop: N1 Optional
Level:
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 Free-form field for address information.	M AN 1/35
	N302	166	Address Information Free-form field for address information.	O AN 1/35

Segment: **N4 Geographic Location**
Position: 300
Loop: N1 Optional
Level:
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

Ref. Des.	Data Element	Name	Attributes
N401	19	City Name Free-form text for city name	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	C ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 5/9
N404	26	Country Code Code identifying the country GM will send a three character code from ISO 3166-1	O ID 2/2
N405	309	Location Qualifier Code identifying type of Location Identifier (310) used. CC Country	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location	C AN 1/25

Segment: **PER** Administrative Communications Contact
Position: 320
Loop: N1 Optional
Level:
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: This segment is used to specify who is to be contacted on various conditions related to the transaction. The term "Communication" in the title and purpose relates to interpersonal communications, not network or telecommunications contacts.

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	PER01	366 Contact Function Code Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department CW Confirmed With HM Hazardous Material Contact OC Order Contact SR Sales Representative or Department	M ID 2/2
	PER02	93 Name Free-form name	O AN 1/35
	PER03	365 Communication Number Qualifier Code identifying the type of communication number TE Telephone	O ID 2/2
	PER04	364 Communication Number Complete communications number including country or area code when applicable. Also see: Communications Number Qualifier (365).	C AN 7/21
X	PER05	326 Request Reference Number Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	O AN 1/45

Segment: **FOB** F.O.B. Related Instructions
Position: 330
Loop: N1 Optional
Level:
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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	FOB01	146 Shipment Method of Payment Code identifying payment terms for transportation charges These codes define which party will pay the carrier. CC Collect PC Prepaid but Charged to Customer PP Prepaid (by Seller)	M ID 2/2
	FOB02	309 Location Qualifier Code identifying type of Location Identifier (310) used. This code will always identify a transportation responsibility location. AC City and State	C ID 1/2
	FOB03	352 Description A free-form description to clarify the related data elements and their content City, State/Province Name.	O AN 1/80
X	FOB04	334 Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O ID 2/2
X	FOB05	335 Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS.	C ID 3/6
	FOB06	309 Location Qualifier Code identifying type of Location Identifier (310) used. These codes will always identify a title passage location. DE Destination (Shipping) OR Origin (Shipping Point)	C ID 1/2
	FOB07	352 Description A free-form description to clarify the related data elements and their content Location of Title Passage.	O AN 1/80

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 350
Loop: N1 Optional
Level:
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.
Comments:

Data Element Summary

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

Detail

Segment: **PO1 Purchase Order Baseline Item Data**
Position: 390
Loop: PO1 Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used purchase order line item data
Syntax Notes:

- 1 If PO106 is present, then PO107 is required.
- 2 If PO108 is present, then PO109 is required.
- 3 If PO110 is present, then PO111 is required.
- 4 If PO112 is present, then PO113 is required.
- 5 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	Name	Attributes
<u>Des.</u>	<u>Element</u>		
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/6
>>	PO102	330 Quantity Ordered Quantity ordered	M R 1/9
>>	PO103	355 Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	M ID 2/2
	PO104	212 Unit Price Price per unit of product, service, commodity, etc.	C R 1/14
X	PO105	639 Basis of Unit Price Code Code identifying the type of unit price for an item	O ID 2/2
	PO106	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) AB Assembly BP Buyer's Part Number DN Die Number IN Buyer's Item Number MF Manufacturer OH Opposite-Hand Part Number PI Purchaser's Item Code PN Company Part Number PT Print or Drawing RP Replaced Part Number VP Vendor's (Seller's) Part Number	O ID 2/2
	PO107	234 Product/Service ID Identifying number for a product or service	C AN 1/30
	PO108	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in	O ID 2/2

			Product/Service ID (234)		
			Subsequent uses of data element 235 must utilize values specified but cannot repeat values previously used.		
	PO109	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
	PO110	235	Product/Service ID Qualifier	O	ID 2/2
			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.		
	PO111	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
	PO112	235	Product/Service ID Qualifier	O	ID 2/2
			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.		
	PO113	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
	PO114	235	Product/Service ID Qualifier	O	ID 2/2
			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.		
	PO115	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
X	PO116	235	Product/Service ID Qualifier	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	PO117	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
X	PO118	235	Product/Service ID Qualifier	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	PO119	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
X	PO120	235	Product/Service ID Qualifier	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	PO121	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
X	PO122	235	Product/Service ID Qualifier	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	PO123	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		
X	PO124	235	Product/Service ID Qualifier	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	PO125	234	Product/Service ID	C	AN 1/30
			Identifying number for a product or service		

Segment: **PO3 Additional Item Detail**
Position: 410
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 25
Purpose: To specify additional item-related data involving variations in normal price/quantity structure
Syntax Notes: 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 set up a desired lot quantity structure.

Data Element Summary

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

Segment: **PID** **Product/Item Description**
Position: 420
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax Notes: At least one of PID04 or PID05 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
X	PID02	750	Product/Process Characteristic Code Code specifying the product or process characteristic being described.	O ID 2/3
X	PID03	348	Item Description Qualifier Code identifying agency responsible for the code used.	O ID 2/2
X	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic. Also see: Item Description Qualifier (348).	C ID 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80
X	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2

Segment: **REF** Reference Numbers
Position: 470
Loop: PO1 Mandatory
Level:
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	Reference Number Qualifier Code qualifying the Reference Number. MY Model year number	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	C AN 1/30
X	REF03	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

Segment: **ITA** Allowance, Charge or Service
Position: 500
Loop: PO1 Mandatory
Level:
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 Only one of ITA06 ITA07 or ITA08 may be present.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified N No Allowance or Charge R Allowance Requested	M ID 1/1
	ITA02	559	Agency Qualifier Code Code identifying the agency assigning the code values AX ANSI X12	O ID 2/2
	ITA03	560	Special Services Code Code identifying the special service C0032 Coating (Dip, Rustproof, EDP) LC Lot Charge PC Packaging Service	C ID 2/10
>>	ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge 02 Off Invoice	M ID 2/2
X	ITA05	341	Allowance or Charge Number The number assigned by a vendor referencing an allowance, promotion, deal or charge	O AN 1/16
	ITA06	359	Allowance or Charge Rate Allowance or Charge Rate per Unit	C R 1/9
X	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge	C N2 1/9
X	ITA08	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated	C ID 1/1
X	ITA09	332	Allowance or Charge Percent Allowance or charge expressed as a percent.	C R 1/6
X	ITA10	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the Purchase Order or Invoice quantity. Also see: Unit of Measurement Code (355.)	O R 1/10
X	ITA11	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
X	ITA12	380	Quantity Numeric value of Quantity. – (aka Quantity of ‘Free Goods’)Also see: Unit of Measurement Code (355).	O R 1/10
X	ITA13	352	Description	C AN 1/80

ITA14 **150** A free-form description to clarify the related data elements and their content
Special Charge or Allowance Code **O ID 3/3**
Code identifying type of special charge or allowance
 LLC Lot Charge

Segment: SCH Line Item Schedule
Position: 590
Loop: PO1 Mandatory
Level:
Usage: Optional
Max Use: 104
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes:
Semantic Notes:
Comments: SCH06 specifies the interpretation to be used for SCH07 and SCH08.
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

Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SCH01	380	Quantity Numeric value of Quantity. Also see: Unit of Measurement Code (355).	M R 1/10
>>	SCH02	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	M ID 2/2
X	SCH03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	SCH04	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	O ID 2/2
X	SCH05	93	Name Free-form name	C AN 1/35
>>	SCH06	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 002 Delivery Requested	M ID 3/3
>>	SCH07	373	Date Date (YYMMDD)	M DT 6/6
X	SCH08	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4
X	SCH09	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	C ID 3/3
X	SCH10	373	Date Date (YYMMDD)	C DT 6/6
X	SCH11	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4

Segment: N9 Reference Number
Position: 665
Loop: N9 Optional
Level:
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	Reference Number Qualifier Code qualifying the Reference Number. CJ Clause Number PM Part Number PO Purchase Order Number	M ID 2/2
	N902	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	C AN 1/30
	N903	369	Free-form Description Free-form descriptive text	C AN 1/45
X	N904	373	Date Date (YYMMDD)	O DT 6/6
X	N905	337	Time Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	O TM 4/4

Segment: **MSG** Message Text
Position: 667
Loop: N9 Optional
Level:
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	Free-Form Message Text Free-form message text	M AN 1/264
			GM message text maximum is limited to 99 characters.	
X	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	O ID 2/2
X	MSG03	363	Note Reference Code Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).	O ID 3/3

Segment: N1 Name
Position: 670
Loop: N1 Optional
Level:
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
Des.	Element		
>> N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
		BT Party to be Billed For Other Than Freight(Bill To)	
		BY Buying Party (Purchaser)	
		MI Planning Schedule/Material Release Issuer	
		MP Manufacturing Plant	
		RE Party to receive commercial invoice remittance	
		SE Selling Party	
		SF Ship From	
		ST Ship To	
N102	93	Name Free-form name	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	C ID 1/2
		1 Dun and Bradstreet (Credit Reporting) (DUNS)	
		92 Assigned by Buyer	
N104	67	Identification Code Code identifying a party.	C ID 2/17
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.			

Summary

Segment: **CTT** Transaction Totals
Position: 790
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
Semantic Notes:
Comments: 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	Number of Line Items Total number of line items in the transaction set Total number of PO1 segments.	M N0 1/6
	CTT02	347	Hash Total Sum of values of the specific 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 leftmost 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. If used, GM will send the sum of the value of the quantities ordered in PO102.	O R 1/10
X	CTT03	81	Weight Numeric value of weight. Also see: Weight Qualifier (187), Weight Unit Qualifier (188), Unit of Measurement Code (355.)	O R 1/8
X	CTT04	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
X	CTT05	183	Volume Value of volumetric measure. Also see: Volume Unit Qualifier (184), Unit of Measurement Code (355.)	O R 1/8
X	CTT06	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
X	CTT07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **SE** Transaction Set Trailer
Position: 800
Loop:
Level:
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: SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
>>	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/6
>>	SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.) Must match the transaction reference number in the ST - Transaction Set Header.	M AN 4/9

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