



X12 Implementation

Guidelines

For

Outbound Invoice

(810o)

810 Invoice

Functional Group ID=**IN**

Introduction:

This Standard contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	F	100		
	040	CUR	Currency	O	1		
M	050	REF	Reference Numbers	M	12		
LOOP ID - N1						200	
	070	N1	Name	O	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	110	REF	Reference Numbers	O	12		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	140	DTM	Date/Time/Period	O	10		
	150	FOB	F.O.B. Related Instructions	O	1		
	160	PID	Product/Item Description	O	200		
	170	MEA	Measurements	O	40		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
	010	IT1	Baseline Item Data (Invoice)	O	1		
	020	CUR	Currency	O	1		
	059	MEA	Measurements	O	40		
LOOP ID - PID						1000	
	060	PID	Product/Item Description	O	1		
	100	PO4	Item Physical Details	O	1		
	120	REF	Reference Numbers	O	>1		
	160	CAD	Carrier Detail	O	>1		
LOOP ID - SLN						1000	
	200	SLN	Subline Item Detail	O	1		
	210	REF	Reference Numbers	O	>1		
	220	PID	Product/Item Description	O	1000		
	230	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
LOOP ID - N1						200	
	240	N1	Name	O	1		
	250	N2	Additional Name Information	O	2		
	270	N4	Geographic Location	O	1		

Ford Motor Company

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	TDS	Total Monetary Value Summary	M	1		
			LOOP ID - SAC			25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
M	070	CTT	Transaction Totals	M	1		
M	080	SE	Transaction Set Trailer	M	1		

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:
Notes: ST~810~2517869'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 X12.2 Invoice	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Notes: BIG~010913~403825~~~~~00'

Data Element Summary

Ref.	Data Element	Name	Attributes
M	BIG01	245 Invoice Date Invoice Issue Date.	M DT 6/6
M	BIG02	76 Invoice Number Identifying number assigned by issuer	M AN 1/22
	BIG03	323 Purchase Order Date Date assigned by the purchaser to Purchase Order	O DT 6/6
	BIG04	324 Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	O AN 1/22
	BIG05	328 Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O AN 1/30
	BIG06	327 Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O AN 1/8
	BIG07	640 Transaction Type Code Code specifying the type of transaction Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	BIG08	353 Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace	O ID 2/2
	BIG09	306 Action Code Code indicating type of action Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/2
	BIG10	76 Invoice Number Identifying number assigned by issuer	O AN 1/22

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level: Heading
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:

Notes: NTE~PMT~OA-30'

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies INS Insurance INV Invoice Instruction LAB Labeling Instructions PMT Payment	O ID 3/3
M	NTE02	3 Free Form Message Free-form text	M AN 1/60

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:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR11 is present, then CUR10 is required.
- 4 If CUR12 is present, then CUR10 is required.
- 5 If CUR14 is present, then CUR13 is required.
- 6 If CUR15 is present, then CUR13 is required.
- 7 If CUR17 is present, then CUR16 is required.
- 8 If CUR18 is present, then CUR16 is required.
- 9 If CUR20 is present, then CUR19 is required.
- 10 If CUR21 is present, then CUR19 is required.

Notes: CUR~SE~USD'

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual SE Selling Party	M ID 2/2
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3
	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
	CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3
	CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 3/3
	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 3/3
	CUR08	373	Date Date (YYMMDD)	O DT 6/6
	CUR09	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
	CUR10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 3/3
	CUR11	373	Date Date (YYMMDD)	O DT 6/6
	CUR12	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
	CUR13	374	Date/Time Qualifier	C ID 3/3

			Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.	
CUR14	373	Date		O DT 6/6
		Date (YYMMDD)		
CUR15	337	Time		O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
CUR16	374	Date/Time Qualifier		C ID 3/3
		Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.		
CUR17	373	Date		O DT 6/6
		Date (YYMMDD)		
CUR18	337	Time		O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
CUR19	374	Date/Time Qualifier		C ID 3/3
		Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.		
CUR20	373	Date		O DT 6/6
		Date (YYMMDD)		
CUR21	337	Time		O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Notes: REF~MA~00000403825'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. IP Inspection Report Number MA Ship Notice/Manifest Number NB Letter of Credit Number PH Priority Rating PN Permit Number SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment SQ Container Sequence Number ZZ Mutually Defined	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.	C AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

Segment: N1 Name
Position: 070
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.
Notes: N1~ST~AUTOMOVILISTICA ANDRADE~91~59457'

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual BT Bill-to-Party BY Buying Party (Purchaser) CA Carrier CY Country 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) 2 Standard Carrier Alpha Code (SCAC) 38 Country Code 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	C ID 1/2
	N104	67 Identification Code Code identifying a party or other code	C AN 2/17
	N105	706 Entity Relationship Code Code describing entity relationship Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: N2 Additional Name Information
Position: 080
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:
Notes: N2~ S.A. DE C.V.'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	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: 090
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Notes: N3~CALZADA DE LA VIGA #1880~ (MEX)'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	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: 100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Notes: N4~MEXICO~DF~9080~MX'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/9
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **REF** Reference Numbers
Position: 110
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Notes: REF~PH~HOTLINE'

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. 'CO' is the most commonly used qualifier. Refer to 003040 Data Element Dictionary for acceptable code values.	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.	C AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

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.
Notes: ITD~ZZ~011015~011015~2054~2% 30-60-90 DAYS'

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
ITD01	336	Terms Type Code Code identifying type of payment terms 'ZZ' is the most commonly used qualifier. Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/2
ITD03	338	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	O R 1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned	C DT 6/6
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	C N0 1/3
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due	O DT 6/6
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10
ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due	O DT 6/6
ITD10	389	Deferred Amount Due Deferred amount due for payment	C N2 1/10
ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent	C R 1/5
ITD12	352	Description A free-form description to clarify the related data elements and their content	O 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
ITD14	107	Payment Method Code Code identifying type of payment procedures Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/1
ITD15	954	Percent Percentage expressed as a decimal	O R 1/10

Segment: **DTM** Date/Time/Period
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
 2 If either DTM06 or DTM07 is present, then the other is required.
Notes: DTM~011~010913~~~19'

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time '011', '036' and '093' are the most commonly used qualifier. Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 3/3
	DTM02	373 Date Date (YYMMDD)	C DT 6/6
	DTM03	337 Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C TM 4/8
	DTM04	623 Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	DTM05	624 Century The first two characters in the designation of the year (CCYY)	O N0 2/2
	DTM06	1250 Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/3
	DTM07	1251 Date Time Period Expression of a date, a time, or range of dates, times or dates and times	C AN 1/35

Segment: **FOB** F.O.B. Related Instructions
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes: 1 If FOB03 is present, then FOB02 is required.
 2 If FOB04 is present, then FOB05 is required.
 3 If FOB07 is present, then FOB06 is required.
 4 If FOB08 is present, then FOB09 is required.
Notes: FOB~CC~~~~EXW'

Data Element Summary

Ref.	Data Element	Name	Attributes
M	FOB01	146 Shipment Method of Payment Code identifying payment terms for transportation charges 'CC' and 'PP' are the most commonly used qualifier. Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
	FOB02	309 Location Qualifier Code identifying type of location Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 1/2
	FOB03	352 Description A free-form description to clarify the related data elements and their content	O AN 1/80
	FOB04	334 Transportation Terms Qualifier Code Code identifying the source of the transportation terms Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	FOB05	335 Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility CFR Cost and Freight Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered on board the vessel; these are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment CIF Cost, Insurance, and Freight Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered onboard the vessel; risks are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment; seller must in addition procure (i.e. contract and pay for) marine insurance against the buyer's risk of loss or damage during shipment EXW Ex Works Buyer bears all costs and risks in taking the goods from the seller's premises to the desired location FAS Free Alongside Ship Seller's obligation ends when goods have been placed alongside the vessel on the quay or in lighters at the named port of shipment; buyer bears all costs and risks thereafter FOB Free on Board	C ID 3/3
	FOB06	309 Location Qualifier Code identifying type of location Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 1/2
	FOB07	352 Description	O AN 1/80

FOB08	54	A free-form description to clarify the related data elements and their content Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
FOB09	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

Segment: **PID** **Product/Item Description**
Position: 160
Loop:
Level: Heading
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID03 is required.

Notes: PID~F~~~~WIRE ASY - JUMPER'

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type Code indicating the format of a description Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 1/1
	PID02	750 Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/3
	PID03	559 Agency Qualifier Code Code identifying the agency assigning the code values Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic	C AN 1/12
	PID05	352 Description A free-form description to clarify the related data elements and their content	C AN 1/80
	PID06	752 Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	PID07	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
	PID08	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **MEA** Measurements**Position:** 170**Loop:****Level:** Heading**Usage:** Optional**Max Use:** 40**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes:

- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
- 2 If MEA03 is present, then MEA04 is required.
- 3 If MEA05 is present, then MEA04 is required.
- 4 If MEA06 is present, then MEA04 is required.
- 5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
- 6 Only one of MEA08 or MEA03 may be present.

Notes: MEA~WT~N~14~KG'

MEA~WT~U~33~KG'

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
MEA01	737	Measurement Reference ID Code Code identifying the broad category to which a measurement applies Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
MEA02	738	Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/3
MEA03	739	Measurement Value The value of the measurement	C R 1/10
MEA04	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	C
M	C00101	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
	C00102	1018 Exponent Power to which a unit is raised	O R 1/15
	C00103	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00104	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	C00105	1018 Exponent Power to which a unit is raised	O R 1/15
	C00106	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00107	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	C00108	1018 Exponent Power to which a unit is raised	O R 1/15
	C00109	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00110	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2

		Refer to 003040 Data Element Dictionary for acceptable code values.	
C00111	1018	Exponent Power to which a unit is raised	O R 1/15
C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
		Refer to 003040 Data Element Dictionary for acceptable code values.	
C00114	1018	Exponent Power to which a unit is raised	O R 1/15
C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
MEA05	740	Range Minimum The value specifying the minimum of the measurement range	C R 1/10
MEA06	741	Range Maximum The value specifying the maximum of the measurement range	C R 1/10
MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value	O ID 2/2
		Refer to 003040 Data Element Dictionary for acceptable code values.	
MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined	C ID 2/2
		Refer to 003040 Data Element Dictionary for acceptable code values.	
MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
		Refer to 003040 Data Element Dictionary for acceptable code values.	
MEA10	1373	Measurement Method or Device The method or device used to record the measurement	O ID 2/4
		Refer to 003040 Data Element Dictionary for acceptable code values.	

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If IT106 is present, then IT107 is required.
 - 2 If IT108 is present, then IT109 is required.
 - 3 If IT110 is present, then IT111 is required.
 - 4 If IT112 is present, then IT113 is required.
 - 5 If IT114 is present, then IT115 is required.
 - 6 If IT116 is present, then IT117 is required.
 - 7 If IT118 is present, then IT119 is required.
 - 8 If IT120 is present, then IT121 is required.
 - 9 If IT122 is present, then IT123 is required.
 - 10 If IT124 is present, then IT125 is required.

Notes: IT1~0000000010~1~PK~15.04~~ON~255338~PL~0002~VO~00261~~~BP~YS4Z14630JA~VP~YS4Z 14630 JA~CH~PH~VU~0001~DG~HL,WW~CA~41854401

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	IT101	350 Assigned Identification	O AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set	
M	IT102	358 Quantity Invoiced	M R 1/10
		Number of units invoiced (supplier units)	
M	IT103	355 Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		EA Each	
		PC Piece	
		PK Package	
M	IT104	212 Unit Price	M R 1/14
		Price per unit of product, service, commodity, etc.	
	IT105	639 Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item	
		Refer to 003040 Data Element Dictionary for acceptable code values.	
	IT106	235 Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		ON Customer Order Number	
		PD Part Number Description	
	IT107	234 Product/Service ID	C AN 1/30
		Identifying number for a product or service	
	IT108	235 Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		PL Purchaser's Order Line Number	
		PN Company Part Number	
	IT109	234 Product/Service ID	C AN 1/30
		Identifying number for a product or service	
	IT110	235 Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VO Vendor's Order Number	
		ZZ Mutually Defined	
	IT111	234 Product/Service ID	C AN 1/30

		Identifying number for a product or service		
IT112	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		A3 Locally Assigned Control Number		
		Item identifier is a locally assigned control number used to catalog and manage material		
IT113	234	Product/Service ID	C	AN 1/30
		Identifying number for a product or service		
IT114	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		BP Buyer's Part Number		
IT115	234	Product/Service ID	C	AN 1/30
		Identifying number for a product or service		
IT116	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VP Vendor's (Seller's) Part Number		
IT117	234	Product/Service ID	C	AN 1/30
		Identifying number for a product or service		
IT118	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		CH Country of Origin Code		
IT119	234	Product/Service ID	C	AN 1/30
		Identifying number for a product or service		
IT120	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VU Vendor's Basic Unit Number		
IT121	234	Product/Service ID	C	AN 1/30
		Identifying number for a product or service		
IT122	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		DG Discount Grouping		
IT123	234	Product/Service ID	C	AN 1/30
		Identifying number for a product or service		
IT124	235	Product/Service ID Qualifier	O	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		CA Case		
IT125	234	Product/Service ID	C	AN 1/30
		Identifying number for a product or service		

Segment: **CUR** Currency
Position: 020
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR11 is present, then CUR10 is required.
- 4 If CUR12 is present, then CUR10 is required.
- 5 If CUR14 is present, then CUR13 is required.
- 6 If CUR15 is present, then CUR13 is required.
- 7 If CUR17 is present, then CUR16 is required.
- 8 If CUR18 is present, then CUR16 is required.
- 9 If CUR20 is present, then CUR19 is required.
- 10 If CUR21 is present, then CUR19 is required.

Notes: CUR~SE~USD'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	CUR01	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
M	CUR02	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3
	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
	CUR04	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	CUR05	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3
	CUR06	669 Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 3/3
	CUR07	374 Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 3/3
	CUR08	373 Date Date (YYMMDD)	O DT 6/6
	CUR09	337 Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
	CUR10	374 Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 3/3
	CUR11	373 Date Date (YYMMDD)	O DT 6/6
	CUR12	337 Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8
	CUR13	374 Date/Time Qualifier	C ID 3/3

			Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.	
CUR14	373	Date		O DT 6/6
		Date (YYMMDD)		
CUR15	337	Time		O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
CUR16	374	Date/Time Qualifier		C ID 3/3
		Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.		
CUR17	373	Date		O DT 6/6
		Date (YYMMDD)		
CUR18	337	Time		O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
CUR19	374	Date/Time Qualifier		C ID 3/3
		Code specifying type of date or time, or both date and time Refer to 003040 Data Element Dictionary for acceptable code values.		
CUR20	373	Date		O DT 6/6
		Date (YYMMDD)		
CUR21	337	Time		O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		

Segment: **MEA** Measurements

Position: 059

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
 - 2 If MEA03 is present, then MEA04 is required.
 - 3 If MEA05 is present, then MEA04 is required.
 - 4 If MEA06 is present, then MEA04 is required.
 - 5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
 - 6 Only one of MEA08 or MEA03 may be present.

Notes: MEA~WT~N~1~KG'
MEA~WT~U~1~KG'

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code Code identifying the broad category to which a measurement applies WT Weights	O ID 2/2
MEA02	738	Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies 'N' and 'U' are the most commonly used qualifiers. Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/3
MEA03	739	Measurement Value The value of the measurement	C R 1/10
MEA04	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	C
M	C00101	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 'KG' and 'PC' are the most commonly used qualifiers. Refer to 003040 Data Element Dictionary for acceptable code values.	M ID 2/2
MEA05	740	Range Minimum The value specifying the minimum of the measurement range	C R 1/10
MEA06	741	Range Maximum The value specifying the maximum of the measurement range	C R 1/10
MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
MEA10	1373	Measurement Method or Device The method or device used to record the measurement Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/4

Segment: **PID** **Product/Item Description**
Position: 060
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes: 1 If PID04 is present, then PID03 is required.
 2 At least one of PID04 or PID05 is required.
 3 If PID07 is present, then PID03 is required.
 4 If PID08 is present, then PID03 is required.
Notes: PID~F~~~~WIRE ASY - JUMPER'
 PID~F~~~~ ARNES 338'

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	PID01	349 Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
	PID02	750 Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/3
	PID03	559 Agency Qualifier Code Code identifying the agency assigning the code values Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic	C AN 1/12
	PID05	352 Description A free-form description to clarify the related data elements and their content	C AN 1/80
	PID06	752 Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	PID07	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
	PID08	1073 Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **PO4** Item Physical Details
Position: 100
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:

- 1 If PO402 is present, then PO403 is required.
- 2 If PO405 is present, then PO406 is required.
- 3 If PO406 is present, then PO407 is required.
- 4 If either PO408 or PO409 is present, then the other is required.
- 5 If PO410 is present, then PO413 is required.
- 6 If PO411 is present, then PO413 is required.
- 7 If PO412 is present, then PO413 is required.
- 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.

Notes: PO4~1~~~LSE71~G~1~KG~0.004~CR~25.4~22.4~7.1~CM'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO401	356	Pack Number of inner pack units per outer pack unit	O N0 1/6
PO402	357	Size Size of supplier units in pack	O R 1/8
PO403	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
PO404	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material 'CNT', 'LSE', '25', '71' are the most commonly used qualifier. Refer to 003040 Data Element Dictionary for acceptable code values.	O AN 5/5
PO405	187	Weight Qualifier Code defining the type of weight 'G' is the most commonly used qualifier. Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/2
PO406	384	Gross Weight per Pack Numeric value of gross weight per pack	C R 1/9
PO407	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
PO408	385	Gross Volume per Pack Numeric value of gross volume per pack	C R 1/9
PO409	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CR Cubic Meter	C ID 2/2
PO410	82	Length Largest horizontal dimension of an object measured when the object is in the upright position	C R 1/8
PO411	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	C R 1/8
PO412	65	Height Vertical dimension of an object measured when the object is in the upright position	C R 1/8
PO413	355	Unit or Basis for Measurement Code	C ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 003040 Data Element Dictionary for acceptable code values.

Segment: **REF** Reference Numbers
Position: 120
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Notes: REF~TS~8708.29.5070'

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. HO Shipper's Hazardous Number P7 Product Line Number TS Tariff 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.	C AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

Segment: **CAD** Carrier Detail
Position: 160
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation details for the transaction
Syntax Notes: 1 At least one of CAD05 or CAD04 is required.
 2 If CAD07 is present, then CAD08 is required.
Notes: CAD~M~ET~1234~SCAC'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CAD01	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 1/2
CAD02	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O AN 1/4
CAD03	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	O AN 1/10
CAD04	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	C ID 2/4
CAD05	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	C AN 1/35
CAD06	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
CAD07	128	Reference Number Qualifier Code qualifying the Reference Number. Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
CAD08	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
CAD09	284	Service Level Code Code defining service Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **SLN** Subline Item Detail
Position: 200
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax Notes: 1 If SLN07 is present, then SLN06 is required.
 2 If SLN08 is present, then SLN06 is required.
 3 If SLN09 is present, then SLN10 is required.
 4 If SLN11 is present, then SLN12 is required.
 5 If SLN13 is present, then SLN14 is required.
 6 If SLN15 is present, then SLN16 is required.
 7 If SLN17 is present, then SLN18 is required.
 8 If SLN19 is present, then SLN20 is required.
 9 If SLN21 is present, then SLN22 is required.
 10 If SLN23 is present, then SLN24 is required.
 11 If SLN25 is present, then SLN26 is required.
 12 If SLN27 is present, then SLN28 is required.
Notes: SLN~D1000000101~~I~1~PC'

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	SLN01	350	Assigned Identification	M AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	
	SLN02	350	Assigned Identification	O AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	
M	SLN03	661	Configuration Code	M ID 1/1
			Code indicating the relationship of the subline item to the baseline item.	
		A	Added	
		D	Deleted	
		I	Included	
		S	Substituted	
M	SLN04	380	Quantity	M R 1/15
			Numeric value of quantity	
M	SLN05	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 003040 Data Element Dictionary for acceptable code values.	
	SLN06	212	Unit Price	C R 1/14
			Price per unit of product, service, commodity, etc.	
	SLN07	639	Basis of Unit Price Code	O ID 2/2
			Code identifying the type of unit price for an item	
			Refer to 003040 Data Element Dictionary for acceptable code values.	
	SLN08	662	Relationship Code	O ID 1/1
			Code indicating the relationship of the price or amount to the associated segment.	
			Refer to 003040 Data Element Dictionary for acceptable code values.	
	SLN09	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 003040 Data Element Dictionary for acceptable code values.	
	SLN10	234	Product/Service ID	C AN 1/30
			Identifying number for a product or service	
	SLN11	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			Refer to 003040 Data Element Dictionary for acceptable code values.	

SLN12	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN14	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN15	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN16	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN17	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN18	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN19	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN20	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN21	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN22	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN23	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN24	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN25	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN26	234	Product/Service ID Identifying number for a product or service	C	AN 1/30
SLN27	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003040 Data Element Dictionary for acceptable code values.	O	ID 2/2
SLN28	234	Product/Service ID Identifying number for a product or service	C	AN 1/30

Segment: **REF** Reference Numbers
Position: 210
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Notes: REF~MA~00000962367'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. Refer to 003040 Data Element Dictionary for acceptable code values.	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.	C AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

Segment: **PID** **Product/Item Description**
Position: 220
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID03 is required.

Notes: PID~F~~~~MOULDING - DOOR OUTSIDE'

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type Code indicating the format of a description Refer to 003040 Data Element Dictionary for acceptable code values. M ID 1/1
	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 003040 Data Element Dictionary for acceptable code values. O ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values Refer to 003040 Data Element Dictionary for acceptable code values. C ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic C AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content C AN 1/80
	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 003040 Data Element Dictionary for acceptable code values. O ID 2/2
	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier O AN 1/15
	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 003040 Data Element Dictionary for acceptable code values. O ID 1/1

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 230
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 25

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.

Notes: SAC~A~H000~~~420~5~27~~~~~DIRECT ACCOUNT ALLOWANCE'
 SAC~C~H090~~~156~5~10~~~~~SPECIAL HANDILNG'

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge	M ID 1/1
	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge H000 Special Allowance H090 Special Handling	C ID 4/4
	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge	C AN 1/10
	SAC05	610	Amount Monetary amount	O N2 1/15
	SAC06	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated 5 Base Price per Unit	C ID 1/1
	SAC07	332	Allowance or Charge Percent Allowance or charge expressed as a percent.	C R 1/6
	SAC08	359	Allowance or Charge Rate Allowance or Charge Rate per Unit	O R 1/9
	SAC09	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
	SAC10	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity	C R 1/10
	SAC11	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity	O R 1/10
	SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	SAC13	127	Reference Number Reference number or identification number as defined for a particular	C AN 1/30

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		Transaction Set, or as specified by the Reference Number Qualifier.	
SAC14	770	Option Number	O AN 1/20
		A unique number identifying available promotion or allowance options when more than one is offered	
SAC15	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **N1** Name
Position: 240
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Notes: N1~BT~ORIGINAL EQUIPMENT INC~91~35080'

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040 Data Element Dictionary for acceptable code values.	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) Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 1/2
	N104	67 Identification Code Code identifying a party or other code	C AN 2/17
	N105	706 Entity Relationship Code Code describing entity relationship Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2
	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: N2 Additional Name Information
Position: 250
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Notes: N2~ S.A. DE C.V.'

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 270
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Notes: N4~BILLING~MT~59103'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/9
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Notes: TDS~1248'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	TDS01	361 Total Invoice Amount Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)	M N2 1/10
	TDS02	390 Amount Subject to Terms Discount Amount upon which the terms discount amount is calculated	O N2 1/10
	TDS03	391 Discounted Amount Due Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount)	O N2 1/10
	TDS04	362 Terms Discount Amount Total amount of terms discount	O N2 1/10

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.

Notes: SAC~C~H090~~~736~~~~~SPECIAL HANDLING'

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SAC01	248	Allowance or Charge Indicator M ID 1/1 Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge R Allowance Request
	SAC02	1300	Service, Promotion, Allowance, or Charge Code C ID 4/4 Code identifying the service, promotion, allowance, or charge 'A380', 'H000', 'H090', 'ZZZZ' are the most commonly used qualifiers. Refer to 003040 Data Element Dictionary for acceptable code values.
	SAC03	559	Agency Qualifier Code C ID 2/2 Code identifying the agency assigning the code values Refer to 003040 Data Element Dictionary for acceptable code values.
	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code C AN 1/10 Agency maintained code identifying the service, promotion, allowance, or charge
	SAC05	610	Amount O N2 1/15 Monetary amount
	SAC06	378	Allowance/Charge Percent Qualifier C ID 1/1 Code indicating on what basis allowance or charge percent is calculated Refer to 003040 Data Element Dictionary for acceptable code values.
	SAC07	332	Allowance or Charge Percent C R 1/6 Allowance or charge expressed as a percent.
	SAC08	359	Allowance or Charge Rate O R 1/9 Allowance or Charge Rate per Unit
	SAC09	355	Unit or Basis for Measurement Code C ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.
	SAC10	339	Allowance or Charge Quantity C R 1/10 Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity
	SAC11	339	Allowance or Charge Quantity O R 1/10 Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity
	SAC12	331	Allowance or Charge Method of Handling Code O ID 2/2 Code indicating method of handling for an allowance or charge Refer to 003040 Data Element Dictionary for acceptable code values.
	SAC13	127	Reference Number C AN 1/30

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Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

SAC14	770	Option Number	O AN 1/20
		A unique number identifying available promotion or allowance options when more than one is offered	
SAC15	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **CTT Transaction Totals**
Position: 070
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If CTT03 is present, then CTT04 is required.
 2 If CTT05 is present, then CTT06 is required.
Notes: CTT~2'

Data Element Summary

Ref.	Data Element	Name	Attributes
M	CTT01	354 Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347 Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
	CTT03	81 Weight Numeric value of weight	O R 1/10
	CTT04	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
	CTT05	183 Volume Value of volumetric measure	O R 1/8
	CTT06	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003040 Data Element Dictionary for acceptable code values.	C ID 2/2
	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: 080
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:

Notes: SE~37~2519010'

Data Element Summary

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

Example

ISA~00~ ~00~ ~ZZ~F159E ~ZZ~H999F ~010921~1421~U~00200~000000001~0~P~~'
 GS~IN~AF52M~H999F~010921~1413~000000003~X~003040'
 ST~810~2542388'
 BIG~010823~113919~~~~~~00'
 NTE~PMT~OA~30'
 CUR~SE~USD'
 REF~MA~00000113919'
 REF~PH~HOTLINE'
 N1~ST~FORD LA VILLA PLANT~91~53193'
 N3~CENTRAL DE ADUANAS'
 N4~MEXICO CITY~~~MX'
 N1~SF~~92~A999A'
 N1~SE~FORD MOTOR COMPANY~92~AF52M'
 N2~FORD CUSTOMER SERVICE DIVISION~INTERNATIONAL DISTRIBUTION OPERS'
 N3~29500 PLYMOUTH ROAD~P.O. BOX 3000'
 N4~LIVONIA~MI~481513000'
 N1~BY~FORD MOTOR COMPANY S.A. DE C.V.~92~WE60'
 N3~PASEO DE LA REFORMA NO.333~(FMO-830423-6C5)'
 N4~MEXICO CITY~~~MX'
 N1~RE~~91~56720'
 N1~CY~MEXICO~38~MX'
 N1~CA~DHL WORLDWIDE EXP~2~DHLC'
 FOB~CC~~~~EXW'
 IT1~0000000010~1~PK~109.69~~ON~B10822~PL~0013~VO~03413~A3~~BP~YL8Z3A428DA~VP~ YL8Z 3A428
 DA~CH~US~VU~0001~DG~HL,WW~CA~11168311'
 MEA~WT~N~5~KG'
 MEA~WT~U~15~KG'
 PID~F~~~~SHAFT - FRONT AXLE'
 PID~F~~~~ FLECHA 950'
 PO4~1~~~LSE71~G~7~KG~0.012~CR~83.6~12.2~12.2~CM'
 REF~TS~8708.29.5070'
 IT1~0000000010~1~PK~98.29~~ON~B10822~PL~0025~VO~03413~A3~~BP~F57Z8005CA~VP~ F57Z 8005
 CA~CH~US~VU~0001~DG~HL,WW~CA~11168312'
 MEA~WT~N~4~KG'
 MEA~WT~U~12~KG'
 PID~F~~~~RADIATOR ASY'
 PID~F~~~~ RADIADOR 331'
 PO4~1~~~LSE71~G~5~KG~0.105~CR~92.5~65.5~17.3~CM'
 REF~TS~8708.91.5000'
 TDS~20798'
 CTT~2~2~1~KG'
 SE~38~2542388'
 GE~1~000000003'
 IEA~00001~000000001'