

840 Request for Quotation

FUNCTIONAL GROUP ID = **RQ**

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.

Header

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
4	010	ST	Transaction Set Header	M	1	
5	020	BQT	Beginning Segment for Request For Quotation	M	1	
6	030	NTE	Note/Special Instruction	F	100	
7	040	CUR	Currency	O	1	
10	050	REF	Reference Numbers	O	12	
11	060	PER	Administrative Communications Contact	O	3	
12	070	TAX	Sales Tax Reference	O	3	
13	080	FOB	F.O.B. Related Instructions	O	1	
14	090	CTP	Pricing Information	O	1	
16	100	SSS	Special Services	O	25	
17	110	CSH	Header Sale Condition	O	1	
18	120	ITA	Allowance, Charge or Service	O	10	
19	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
20	140	DIS	Discount Detail	O	20	
21	150	DTM	Date/Time Reference	O	10	
22	160	LDT	Lead Time	O	12	
23	170	SHH	General Schedule	O	5	
24	180	LIN	Item Identification	O	5	
27	190	PID	Product/Item Description	O	200	
28	200	MEA	Measurements	O	40	
29	210	PWK	Paperwork	O	25	
30	220	PKG	Marking, Packaging, Loading	O	25	
31	230	TD1	Carrier Details (Quantity and Weight)	O	2	
32	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
33	250	TD3	Carrier Details (Equipment)	O	12	
34	260	TD4	Carrier Details (Special Handling/Hazardous Materials)	O	5	
35	270	MAN	Marks and Numbers	O	10	
36	280	RRA	Required Response	O	25	

37	290	N9	Reference Number	O	1	1000
38	300	MSG	Message Text	O	1000	
39	310	N1	Name	O	1	200
40	320	N2	Additional Name Information	O	2	
41	330	N3	Address Information	O	2	
42	340	N4	Geographic Location	O	1	
43	350	REF	Reference Numbers	O	12	
44	360	PER	Administrative Communications Contact	O	3	
45	370	FOB	F.O.B. Related Instructions	O	1	
46	380	TD1	Carrier Details (Quantity and Weight)	O	2	
47	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
48	400	TD3	Carrier Details (Equipment)	O	12	
49	410	TD4	Carrier Details (Special Handling/Hazardous Materials)	O	5	
50	420	PKG	Marking, Packaging, Loading	O	25	
51	430	RRA	Required Response	O	25	

Detail

52	010	PO1	Purchase Order Baseline Item Data	M	1	100000
54	020	CUR	Currency	O	1	
57	030	PO3	Additional Item Detail	O	25	
58	040	CTP	Pricing Information	O	1	
60	050	PID	Product/Item Description	O	1000	
61	060	MEA	Measurements	O	40	
62	070	PWK	Paperwork	O	25	
63	080	PKG	Marking, Packaging, Loading	O	25	
64	090	PO4	Item Physical Details	O	1	
66	100	REF	Reference Numbers	O	12	
67	110	PER	Administrative Communications Contact	O	3	
68	120	SSS	Special Services	O	25	
69	130	ITA	Allowance, Charge or Service	O	10	
70	140	IT8	Conditions of Sale	O	1	
72	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
73	160	DIS	Discount Detail	O	20	
74	170	TAX	Sales Tax Reference	O	3	
75	180	FOB	F.O.B. Related Instructions	O	1	
76	190	SDQ	Destination Quantity	O	50	
78	200	DTM	Date/Time Reference	O	10	
79	210	LDT	Lead Time	O	12	
80	220	SCH	Line Item Schedule	O	104	

81	230	FST	Forecast Schedule	O	>1	
82	240	TD1	Carrier Details (Quantity and Weight)	O	1	
83	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
84	260	TD3	Carrier Details (Equipment)	O	12	
85	270	TD4	Carrier Details (Special Handling/Hazardous Materials)	O	5	
86	280	MAN	Marks and Numbers	O	10	
87	290	RRA	Required Response	O	25	
88	300	SLN	Subline Item Detail	O	1	1000
90	310	PID	Product/Item Description	O	1000	
91	320	N9	Reference Number	O	1	1000
92	330	MSG	Message Text	O	1000	
93	340	N1	Name	O	1	200
94	350	N2	Additional Name Information	O	2	
95	360	N3	Address Information	O	2	
96	370	N4	Geographic Location	O	1	
97	380	REF	Reference Numbers	O	12	
98	390	PER	Administrative Communications Contact	O	3	
99	400	FOB	F.O.B. Related Instructions	O	1	
100	410	TD1	Carrier Details (Quantity and Weight)	O	2	
101	420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
102	430	TD3	Carrier Details (Equipment)	O	12	
103	440	TD4	Carrier Details (Special Handling/Hazardous Materials)	O	5	
104	450	PKG	Marking, Packaging, Loading	O	25	
105	460	RRA	Required Response	O	25	

Summary

106	010	CTT	Transaction Totals	M	1	
107	020	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header
Level: Header
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Comments: **A** 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. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set.	
		840 X12.7 Request for Quotation	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number assigned by the originator for a transaction set.	

Segment: **BQT** Beginning Segment for Request For Quotation
Level: Header
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a request for a quotation transaction set and to transmit identifying numbers and dates
Syntax: 1 If BQT05 is present, then BQT04 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
BQT01	353	Transaction Set Purpose Code Code identifying purpose of transaction set.	M ID 2/2
		00 Original Recommended by PIDX	
		02 Add Recommended by PIDX	
		03 Delete Recommended by PIDX	
		04 Change Recommended by PIDX	
		05 Replace Recommended by PIDX	
		06 Confirmation Recommended by PIDX	
		13 Request Recommended by PIDX	
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.	M DT 6/6
BQT04	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		Required by PIDX	
		099 Bid Open (Date Bids Will Be Opened)	
BQT05	373	Date Date (YYMMDD).	O DT 6/6
		Required by PIDX	
BQT06	92	Purchase Order Type Code Code specifying the type of Purchase Order.	O ID 2/2
BQT07	960	Request for Quote Type Code Code specifying the type of request for quote.	O ID 2/2

Segment: **NTE** Note/Special Instruction
Level: Header
Loop: ____
Usage: Floating
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Comments: **A** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the "NTE" segment should therefore be avoided, if at all possible, in an automated environment.

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies.	O ID 3/3
NTE02	3	Free Form Message Free-form text.	M AN 1/60

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

Comments: A 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.

B 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. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CUR01	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
		BY Buying Party (Purchaser)	
		SE Selling Party	
		ST Ship To	
		SU Supplier/Manufacturer	
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 or a physical location.	O ID 2/2
		BY Buying Party (Purchaser)	
		SE Selling Party	
		ST Ship To	
		SU Supplier/Manufacturer	
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.	O ID 3/3
CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	

CUR08	373	Date Date (YYMMDD).	O DT	6/6
CUR09	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM	4/4
CUR10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
002 Delivery Requested				
038 Ship No Later				
106 Required By				
CUR11	373	Date Date (YYMMDD).	O DT	6/6
CUR12	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM	4/4
CUR13	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
002 Delivery Requested				
038 Ship No Later				
106 Required By				
CUR14	373	Date Date (YYMMDD).	O DT	6/6
CUR15	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM	4/4
CUR16	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
002 Delivery Requested				
038 Ship No Later				
106 Required By				
CUR17	373	Date Date (YYMMDD).	O DT	6/6
CUR18	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM	4/4
CUR19	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
002 Delivery Requested				
038 Ship No Later				
106 Required By				
CUR20	373	Date Date (YYMMDD).	O DT	6/6
CUR21	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM	4/4

Segment: REF Reference Numbers
Level: Header
Loop: ____
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier	M ID 2/2 Code qualifying the Reference Number.
REF02	127	Reference Number	M AN 1/30 Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.
REF03	352	Description	O AN 1/80 A free-form description to clarify the related data elements and their content.

Segment: **PER** Administrative Communications Contact
Level: Header
Loop: ____
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax: 1 If PER03 is present, then PER04 is required.
Notes: Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named.	M ID 2/2
Recommended by PIDX			
AC Administrative Contracting Officer			
BD Buyer Name or Department Recommended by PIDX			
DE Design Engineer			
EB Entered By			
EN Engineer			
PER02	93	Name Free-form name.	O AN 1/35
Recommended by PIDX			
PER03	365	Communication Number Qualifier Code identifying the type of communication number.	O ID 2/2
Recommended by PIDX			
AU AUTOVON			
EM Electronic Mail			
FT Federal Telecommunications System (FTS)			
FX Facsimile			
IT International Telephone			
PS Packet Switching			
TE Telephone			
TL Telex			
TM Telemail			
TX TWX			
PER04	364	Communication Number Complete communications number including country or area code when applicable.	C AN 7/21
Recommended by PIDX			

Segment: **TAX** Sales Tax Reference
Level: Header
Loop: ____
Usage: Optional
Max Use: 3
Purpose: To provide data required for proper notification/determination of applicable sales and related taxes applying to the transaction.
Syntax: 1 At least one of TAX01 or TAX02 must be present.
2 If TAX02 is present, then TAX03 is required.
3 If TAX04 is present, then TAX05 is required.
4 If TAX06 is present, then TAX07 is required.
5 If TAX08 is present, then TAX09 is required.
6 If TAX10 is present, then TAX11 is required.
Comments: A Tax ID number is, in many instances, referred to as a "Tax Exemption Number." The paired (combined) use of data elements 309 and 310 provides for the designation of five (5) taxing jurisdictions.
B TAX01 is required if tax exemption is being claimed.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TAX01	325	Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.), often called a tax exemption number or certificate number.	C AN 1/20
TAX02	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX03	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX04	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX05	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX06	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX07	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX08	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX09	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX10	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX11	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX12	441	Tax Exempt Code Code identifying exemption status from sales and use tax.	O ID 1/1

Segment: **FOB** F.O.B. Related Instructions
Level: Header
Loop: ____
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax: 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.
Comments: A FOB01 indicates which party will pay the carrier.
 B FOB02 is the code specifying transportation responsibility location.
 C FOB06 is the code specifying title passage location.
 D FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Notes: Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges.	M ID 2/2
FOB02	309	Location Qualifier Code identifying type of location.	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.	O ID 2/2
FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility.	C ID 3/3
FOB06	309	Location Qualifier Code identifying type of location.	C ID 1/2
FOB07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes.	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: **CTP** Pricing Information
Level: Header
Loop: ____
Usage: Optional
Max Use: 1
Purpose: To specify pricing information
Syntax: 1 If CTP02 is present, then CTP03 is required.
 2 If CTP04 is present, then CTP05 is required.
 3 If CTP06 is present, then CTP07 is required.
Comments: A Example of use of CTP03 and CTP04.

PRICE QUANTITY RANGE
 1.00 0 to 999
 0.75 1000 to 4999
 0.50 5000 to 9999
 0.25 10000 and above

CTP03 CTP04
 1.00 0
 0.75 1000
 0.50 5000
 0.25 10000

B Example of use of CTP03, CTP04 and CTP07.

CTP03 CTP04 CTP07
 1.00 0 0.90
 0.75 1000 0.90
 0.50 5000 0.90
 0.25 10000 0.90

C CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of 90 would be the factor if a 10% discount is given.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CTP01	687	Class of Trade Code Code indicating class of trade.	O ID 2/2
CTP02	236	Price Qualifier Code identifying pricing specification.	O ID 3/3
CTP03	212	Unit Price Price per unit of product, service, commodity, etc.	C R 1/14
CTP04	380	Quantity Numeric value of quantity.	O R 1/10
CTP05	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
CTP06	648	Price Multiplier Qualifier Code indicating the type of price multiplier.	O ID 3/3

CTP07 649 Multiplier C R 1/10
Value, identified by price multiplier qualifier, to be used to multiply price to obtain a new value.

Segment: **SSS** Special Services
Level: Header
Loop: ____
Usage: Optional
Max Use: 25
Purpose: To specify special conditions or services associated with the purchased product
Comments: A SSS07 (Description) is normally used to clarify/expand on the services to be provided.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SSS01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified.	M ID 1/1
SSS02	559	Association Qualifier Code Code identifying the association assigning the code values.	M ID 2/2
SSS03	560	Special Services Code Code identifying the special service.	M ID 2/10
SSS04	561	Service Marks and Numbers Data used to identify the performance of the service specified by Special Services Code (560).	O AN 1/45
SSS05	359	Allowance or Charge Rate Allowance or Charge Rate per Unit.	O R 1/9
SSS06	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	O N2 1/9
SSS07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80

Segment: **CSH** Header Sale Condition
Level: Header
Loop: ____
Usage: Optional
Max Use: 1
Purpose: To specify general conditions or requirements of the sale
Syntax: 1 If CSH02 is present, then CSH03 is required.
 2 If CSH06 is present, then CSH07 is required.
Comments: A CSH04 is the account number to which the purchase amount is to be charged.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CSH01	563	Back-Order Code Code to identify the back-order agreement.	O ID 1/1
CSH02	564	Do-Not-Exceed Action Code Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565).	O ID 1/1
CSH03	565	Do-Not-Exceed Amount Maximum monetary amount value which the order must not exceed.	C N2 2/9
CSH04	508	Account Number Account number assigned.	O AN 1/35
CSH05	596	Required Invoice Date Date specified by the sender to be shown on the invoice.	O DT 6/6
CSH06	559	Association Qualifier Code Code identifying the association assigning the code values.	O ID 2/2
CSH07	560	Special Services Code Code identifying the special service.	C ID 2/10

Segment: **ITA** Allowance, Charge or Service
Level: Header
Loop: ____
Usage: Optional
Max Use: 10
Purpose: To specify allowances, charges or services
Syntax: 1 If ITA02 is present, then at least one of ITA03, or ITA13 is required.
 2 At least one of ITA06, ITA07, or ITA08 must be present.
 3 If ITA08 is present, then ITA09 is required.
 4 If ITA10 is present, then ITA11 is required.
Comments: A If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
 B ITA12 is the quantity of free goods.

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified.	M ID 1/1
ITA02	559	Association Qualifier Code Code identifying the association assigning the code values.	O ID 2/2
ITA03	560	Special Services Code Code identifying the special service.	C ID 2/10
ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge.	M ID 2/2
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
ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	C N2 1/9
ITA08	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated.	C ID 1/1
ITA09	332	Allowance or Charge Percent Allowance or charge expressed as a percent.	C R 1/6
ITA10	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
ITA11	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
ITA12	380	Quantity Numeric value of quantity.	O R 1/10
ITA13	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80
ITA14	150	Special Charge Code Code identifying type of special charge.	O ID 3/3

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Level: Header
Loop: ____
Usage: Optional
Max Use: 5
Purpose: To specify terms of sale.
Syntax: 1 If ITD03 is present, then at least one of ITD04, ITD05, 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 ITD10 or ITD11 is required.
Comments: A If the code in ITD01 is 04, then ITD09 is required and either ITD10 or ITD11 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required. If the code in ITD01 does not equal 04 or 05, then ITD03 or ITD08 is required.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITD01	336	Terms Type Code Code identifying type of payment terms.	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period.	M 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

Segment: **DIS** Discount Detail
Level: Header
Loop: ____
Usage: Optional
Max Use: 20
Purpose: To specify the exact type and terms of various discount information.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
DIS01	653	Discount Terms Type Code Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc.	M ID 3/3
DIS02	654	Discount Base Qualifier Code to define unit of discount, i.e., dollars, cases, alternate products, etc.	M ID 2/2
DIS03	655	Discount Base Value A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount.	M R 1/10
DIS04	656	Discount Control Limit Qualifier Code to define the units of the limits for determining discount.	M ID 2/3
DIS05	657	Lower Discount Control Limit Amount or time minimum for application of the discount.	M N0 1/10
DIS06	658	Upper Discount Control Limit Amount or time maximum for application of the discount.	O N0 1/10

Segment: **DTM** Date/Time Reference
Level: Header
Loop: ____
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax: 1 At least one of DTM02 or DTM03 must be present.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	M ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	
DTM02	373	Date Date (YYMMDD).	C DT 6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	C TM 4/4
DTM04	623	Time Code Code identifying the time.	O ID 2/2

Segment: **LDT** Lead Time
Level: Header
Loop: ____
Usage: Optional
Max Use: 12
Purpose: To specify lead time for availability of products and services.
Comments: A LDT04 is the effective date of lead time information.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
LDT01	345	Lead Time Code Code indicating the time range.	M ID 2/2
LDT02	380	Quantity Numeric value of quantity.	M R 1/10
LDT03	344	Unit of Time Period Code Code indicating the time period.	M ID 2/2
LDT04	373	Date Date (YYMMDD).	O DT 6/6

Segment: **SHH** General Schedule
Level: Header
Loop: ____
Usage: Optional
Max Use: 5
Purpose: To specify general scheduling conditions
Syntax: 1 If SHH03 or SHH04 is present, SHH02 is required.
Comments: A SHH02 specifies the interpretation to be used for SHH03 and SHH04.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SHH01	562	Scheduling/Shipping Code Code indicating general scheduling/shipping arrangements.	M ID 2/2
SHH02	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	
SHH03	373	Date Date (YYMMDD).	C DT 6/6
SHH04	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	C TM 4/4

Segment: **LIN** Item Identification
Level: Header
Loop: ____
Usage: Optional
Max Use: 5
Purpose: To specify basic item identification data.
Syntax: 1 If LIN04 is present, then LIN05 is required.
2 If LIN06 is present, then LIN07 is required.
3 If LIN08 is present, then LIN09 is required.
4 If LIN10 is present, then LIN11 is required.
5 If LIN12 is present, then LIN13 is required.
6 If LIN14 is present, then LIN15 is required.
7 If LIN16 is present, then LIN17 is required.
8 If LIN18 is present, then LIN19 is required.
9 If LIN20 is present, then LIN21 is required.
10 If LIN22 is present, then LIN23 is required.
11 If LIN24 is present, then LIN25 is required.
12 If LIN26 is present, then LIN27 is required.
13 If LIN28 is present, then LIN29 is required.
14 If LIN30 is present, then LIN31 is required.
Comments: A See the Data Dictionary for a complete list of ID's.
B LIN01 is the line item identification
C LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/6
LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	M ID 2/2
LIN03	234	Product/Service ID Identifying number for a product or service.	M AN 1/30
LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service.	C AN 1/30

LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN07	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN09	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN11	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN13	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN15	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN17	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN19	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN21	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN23	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN25	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN27	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2

LIN29	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
LIN31	234	Product/Service ID Identifying number for a product or service.	C AN	1/30

Segment: **PID** Product/Item Description
Level: Header
Loop: ____
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax: 1 If PID04 is present, then PID03 is required.
 2 At least one of PID04 or PID05 must be present.
Comments: **A** When PID01 is "F", PID04 is not used.
B Use PID03 to indicate the organization that publishes the code list being referred to.
C PID04 should be used for industry-specific product description codes.
D Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PID01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
PID02	750	Product/Process Characteristic Code Code specifying the product or process characteristic being described.	O ID 2/3
PID03	348	Item Description Qualifier Code identifying agency responsible for the code used.	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 ID 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.	O ID 2/2

Not Used by PIDX

Segment: **MEA** Measurements
Level: Header
Loop: ____
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimensions, tolerances, weights and counts.
Syntax: 1 Either MEA03 or MEA05 or MEA06 or MEA08 is required.
 2 If either MEA03, MEA05 or MEA06 is used, MEA04 is required.
 3 If MEA07 is used MEA03 is required.
 4 Either MEA08 or MEA03 may be used, but not both.
Comments: **A** When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited.	O ID 2/2
MEA02	738	Measurement Qualifier Code identifying the type of measurement.	O ID 1/3
MEA03	739	Measurement Value The value of the measurement.	C R 1/10
MEA04	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C 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.	O ID 2/2
MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined.	C ID 2/2
MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described.	O ID 2/2

Segment: **PWK** Paperwork
Level: Header
Loop: ____
Usage: Optional
Max Use: 25
Purpose: To specify the type and transmission of paperwork relating to product or order.
Syntax: 1 If either PWK05 or PWK06 is present, then the other is required.
Comments: A PWK05 and PWK06 may be used to identify the addressee by a code number.
 B PWK07 may be used to indicate special information to be shown on the specified report.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	Report Type Code Code indicating the title and/or contents of a document or report.	M ID 2/2
PWK02	756	Report Transmission Code Code defining timing and transmission method by which reports are to be sent.	M ID 2/2
PWK03	757	Report Copies Needed The number of copies of a report that should be sent to the addressee.	O N0 1/2
PWK04	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	O ID 2/2
		BY Buying Party (Purchaser)	
		SE Selling Party	
		ST Ship To	
		SU Supplier/Manufacturer	
PWK05	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
		9 DUNS with 4-character suffix	
PWK06	67	Identification Code Code identifying a party.	C ID 2/17
PWK07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80

Segment: **PKG** Marking, Packaging, Loading
Level: Header
Loop: ____
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading and unloading requirements.
Syntax: 1 If PKG04 is present, then PKG03 is required.
 2 At least one of PKG04 or PKG05 must be present.
Comments: A Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
 B When PKG01 is "F", PKG04 is not used.
 C Use PKG03 to indicate the organization that publishes the code list being referred to.
 D PKG04 should be used for industry-specific packaging description codes.
 E Special marking or tagging data can be given in PKG05 (Description).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PKG01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
PKG02	753	Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described.	O ID 1/5
PKG03	348	Item Description Qualifier Code identifying agency responsible for the code used.	C ID 2/2
PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	C ID 1/7
PKG05	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: TD1 Carrier Details (Quantity and Weight)
Level: Header
Loop: ____
Usage: Optional
Max Use: 2
Purpose: To specify the transportation details relative to commodity, weight and quantity.
Syntax: 1 If TD101 is present, then TD102 is required.
 2 If TD103 is present, then TD104 is required.
 3 If TD106 is present, then TD107, and TD108 are required.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD101	103	Packaging Code Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.	O ID 5/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity.	C N0 1/7
TD103	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code.	O ID 1/1
TD104	22	Commodity Code Code describing a commodity or group of commodities.	C ID 1/16
TD105	79	Lading Description Description of an item as required for rating and billing purposes.	O AN 1/50
TD106	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD107	81	Weight Numeric value of weight.	C R 1/8
TD108	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2

Segment: TD5 Carrier Details (Routing Sequence/Transit Time)
Level: Header
Loop: ____
Usage: Optional
Max Use: 12
Purpose: To specify the carrier, sequence of routing and to provide transit time information
Syntax: 1 At least one of TD502, TD504, or TD505 must be present.
 2 If TD502 is present, then TD503 is required.
 3 If TD507 is present, then TD508 is required.
 4 If TD510 is present, then TD511 is required.
Comments: A When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement: use TD502 to identify the party responsible for defining the routing sequence; use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement.	O ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
TD503	67	Identification Code Code identifying a party.	C ID 2/17
TD504	91	Transportation Method Code Code specifying the method 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
TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment	O ID 2/2
TD507	309	Location Qualifier Code identifying type of location.	O ID 1/2
TD508	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TD509	731	Transit Direction Code The point of origin and point of direction.	O ID 2/2
TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time.	O ID 2/2
TD511	733	Transit Time The numeric amount of transit time.	C R 1/4

Segment: **TD3** Carrier Details (Equipment)
Level: Header
Loop: ____
Usage: Optional
Max Use: 12
Purpose: To specify transportation details relating to the equipment used by the carrier.
Syntax: 1 If TD302 is present, then TD303 is required.
 2 If TD304 is present, then TD305, and TD306 are required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD301	40	Equipment Description Code Code identifying type of equipment used for shipment.	M ID 2/2
TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number.	O AN 1/4
TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	C AN 1/10
TD304	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD305	81	Weight Numeric value of weight.	C R 1/8
TD306	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
TD307	102	Ownership Code Code indicating the relationship of equipment to carrier.	O ID 1/1

Segment: **TD4** Carrier Details (Special Handling/Hazardous Materials)
Level: Header
Loop: ____
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements and hazardous materials information
Syntax: 1 At least one of TD401 or TD404 must be present.
 2 If TD402 is present, then TD403 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD401	152	Special Handling Code Code specifying special transportation handling instructions.	C ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209).	O ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material.	C ID 2/4
TD404	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **MAN** Marks and Numbers
Level: Header
Loop: ____
Usage: Optional
Max Use: 10
Purpose: To indicate identifying marks and numbers for shipping containers

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES	
MAN01	88	Marks and Numbers Qualifier	M	ID 1/2
		Code specifying the application or source of Marks and Numbers (87).		
MAN02	87	Marks and Numbers	M AN	1/45
		Marks and numbers used to identify a shipment or parts of a shipment.		

FINAL

Segment: **RRA** Required Response
Level: Header
Loop: ____
Usage: Optional
Max Use: 25
Purpose: To indicate information that is required to be included in the response.
Comments: A Use RRA02 only to specify applicable regulatory or contractual clause.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES	
RRA01	701	Information Type	M	ID 2/2
		Code specifying the information required in the response.		
RRA02	127	Reference Number	O AN	1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		

FINAL

Segment: **N9** Reference Number
Level: Header
Loop: N9 **Repeat:** 1000
Usage: Optional
Max Use: 1
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax: 1 At least one of N902 or N903 must be present.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N901	128	Reference Number Qualifier Code qualifying the Reference 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.	C AN 1/30
N903	369	Free-form Description Free-form descriptive text.	C AN 1/45
N904	373	Date Date (YYMMDD).	O DT 6/6
N905	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4

Segment: **MSG** Message Text
Level: Header
Loop: N9
Usage: Optional
Max Use: 1000
Purpose: To provide a free form format that would allow the transmission of text information.
Comments: A MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
MSG01	933	Free-Form Message Text Free-form message text.	M AN 1/264
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

Segment: **N1** Name
Level: Header
Loop: N1 **Repeat:** 200
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax: 1 At least one of N102 or N103 must be present.
 2 If either N103 or N104 is present, then the other is required.
Comments: **A** 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.
Notes: **Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
Recommended by PIDX			
BY Buying Party (Purchaser)			
SE Selling Party			
ST Ship To			
SU Supplier/Manufacturer			
N102	93	Name Free-form name.	C AN 1/35
Recommended by PIDX			
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
Recommended by PIDX			
9 DUNS with 4-character suffix			
N104	67	Identification Code Code identifying a party.	C ID 2/17
Recommended by PIDX			

Segment: **N2** Additional Name Information
Level: Header
Loop: N1
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N201	93	Name Free-form name.	M AN 1/35
N202	93	Name Free-form name.	O AN 1/35

FINAL

Segment: N3 Address Information
Level: Header
Loop: N1
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N301	166	Address Information Address information	M AN 1/35
N302	166	Address Information Address information	O AN 1/35

FINAL

Segment: N4 Geographic Location
Level: Header
Loop: N1
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax: 1 At least one of N401 or N405 must be present.
 2 If N401 is present, then N402 is required.
 3 If either N405 or N406 is present, then the other is required.
Comments: A A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
 B 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) defined by appropriate governmental agencies.	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.	O ID 2/2
N405	309	Location Qualifier Code identifying type of location.	O ID 1/2
N406	310	Location Identifier Code which identifies a specific location.	C AN 1/25

Segment: REF Reference Numbers
Level: Header
Loop: N1
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
REF02	127	Reference Number	M AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
REF03	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content.	

Segment: PER Administrative Communications Contact
Level: Header
Loop: N1
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax: 1 If PER03 is present, then PER04 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PER01	366	Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named.	
		AC Administrative Contracting Officer	
		BD Buyer Name or Department	
		Recommended by PIDX	
		DE Design Engineer	
		EB Entered By	
		EN Engineer	
PER02	93	Name	O AN 1/35
		Free-form name.	
PER03	365	Communication Number Qualifier	O ID 2/2
		Code identifying the type of communication number.	
PER04	364	Communication Number	C AN 7/21
		Complete communications number including country or area code when applicable.	

Segment: **FOB** F.O.B. Related Instructions
Level: Header
Loop: N1
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax: 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.
Comments: A FOB01 indicates which party will pay the carrier.
 B FOB02 is the code specifying transportation responsibility location.
 C FOB06 is the code specifying title passage location.
 D FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges.	M ID 2/2
FOB02	309	Location Qualifier Code identifying type of location.	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.	O ID 2/2
FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility.	C ID 3/3
FOB06	309	Location Qualifier Code identifying type of location.	C ID 1/2
FOB07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes.	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: **TD1** Carrier Details (Quantity and Weight)
Level: Header
Loop: N1
Usage: Optional
Max Use: 2
Purpose: To specify the transportation details relative to commodity, weight and quantity.
Syntax: 1 If TD101 is present, then TD102 is required.
 2 If TD103 is present, then TD104 is required.
 3 If TD106 is present, then TD107, and TD108 are required.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD101	103	Packaging Code Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.	O ID 5/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity.	C N0 1/7
TD103	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code.	O ID 1/1
TD104	22	Commodity Code Code describing a commodity or group of commodities.	C ID 1/16
TD105	79	Lading Description Description of an item as required for rating and billing purposes.	O AN 1/50
TD106	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD107	81	Weight Numeric value of weight.	C R 1/8
TD108	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Level: Header
Loop: N1
Usage: Optional
Max Use: 12
Purpose: To specify the carrier, sequence of routing and to provide transit time information
Syntax: 1 At least one of TD502, TD504, or TD505 must be present.
 2 If TD502 is present, then TD503 is required.
 3 If TD507 is present, then TD508 is required.
 4 If TD510 is present, then TD511 is required.

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

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement.	O ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
TD503	67	Identification Code Code identifying a party.	C ID 2/17
TD504	91	Transportation Method Code Code specifying the method 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
TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment	O ID 2/2
TD507	309	Location Qualifier Code identifying type of location.	O ID 1/2
TD508	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TD509	731	Transit Direction Code The point of origin and point of direction.	O ID 2/2
TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time.	O ID 2/2
TD511	733	Transit Time The numeric amount of transit time.	C R 1/4

Segment: **TD3** Carrier Details (Equipment)
Level: Header
Loop: N1
Usage: Optional
Max Use: 12
Purpose: To specify transportation details relating to the equipment used by the carrier.
Syntax: 1 If TD302 is present, then TD303 is required.
 2 If TD304 is present, then TD305, and TD306 are required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD301	40	Equipment Description Code Code identifying type of equipment used for shipment.	M ID 2/2
TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number.	O AN 1/4
TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	C AN 1/10
TD304	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD305	81	Weight Numeric value of weight.	C R 1/8
TD306	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
TD307	102	Ownership Code Code indicating the relationship of equipment to carrier.	O ID 1/1

Segment: **TD4** Carrier Details (Special Handling/Hazardous Materials)
Level: Header
Loop: N1
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements and hazardous materials information
Syntax: 1 At least one of TD401 or TD404 must be present.
 2 If TD402 is present, then TD403 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD401	152	Special Handling Code Code specifying special transportation handling instructions.	C ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209).	O ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material.	C ID 2/4
TD404	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **PKG** Marking, Packaging, Loading
Level: Header
Loop: N1
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading and unloading requirements.
Syntax: 1 If PKG04 is present, then PKG03 is required.
 2 At least one of PKG04 or PKG05 must be present.
Comments: A Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
 B When PKG01 is "F", PKG04 is not used.
 C Use PKG03 to indicate the organization that publishes the code list being referred to.
 D PKG04 should be used for industry-specific packaging description codes.
 E Special marking or tagging data can be given in PKG05 (Description).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PKG01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
PKG02	753	Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described.	O ID 1/5
PKG03	348	Item Description Qualifier Code identifying agency responsible for the code used.	C ID 2/2
PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	C ID 1/7
PKG05	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **RRA** Required Response
Level: Header
Loop: N1
Usage: Optional
Max Use: 25
Purpose: To indicate information that is required to be included in the response.
Comments: **A** Use RRA02 only to specify applicable regulatory or contractual clause.

Data Element Summary

REF. DES.	DATA ELEMENT NAME	ATTRIBUTES
RRA01	701 Information Type Code specifying the information required in the response.	M ID 2/2
RRA02	127 Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	O AN 1/30

Segment: **PO1** Purchase Order Baseline Item Data
Level: Detail
Loop: PO1 **Repeat:** 100000
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used purchase order line item data
Syntax: 1 If PO105 is present, then PO104 is required.
2 If PO106 is present, then PO107 is required.
3 If PO108 is present, then PO109 is required.
4 If PO110 is present, then PO111 is required.
5 If PO112 is present, then PO113 is required.
6 If PO114 is present, then PO115 is required.
7 If PO116 is present, then PO117 is required.
8 If PO118 is present, then PO119 is required.
9 If PO120 is present, then PO121 is required.
10 If PO122 is present, then PO123 is required.
11 If PO124 is present, then PO125 is required.
Comments: **A** See the Data Dictionary for a complete list of ID's.
B PO101 is the line item identification
C 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. DES.	DATA ELEMENT NAME	ATTRIBUTES
PO101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. Recommended by PIDX	O AN 1/6
PO102	330 Quantity Ordered Quantity ordered.	M R 1/9
PO103	355 Unit of 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. Not Used by PIDX	C R 1/14
PO105	639 Basis of Unit Price Code Code identifying the type of unit price for an item. Not Used by PIDX	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).	O ID 2/2
PO107	234 Product/Service ID	C AN 1/30

		Identifying number for a product or service.			
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO109	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO111	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO113	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO115	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO117	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO119	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO121	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO123	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
PO124	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
PO125	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30

Segment: CUR Currency
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax: 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.

Comments: A 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.

B CUR*BY*USD*1.20*SE*CAD*NY*007*840821*1400 N/L
1 2 3 4

- Identifies the buyer's (BY) currency as U.S. dollars (USD).
- The multiplier (1.20) is the exchange rate factor for the conversion.
- Identifies the seller's (SE) currency as Canadian dollars (CAD).
- 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. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CUR01	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
		BY Buying Party (Purchaser)	
		SE Selling Party	
		ST Ship To	
		SU Supplier/Manufacturer	
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 or a physical location.	O ID 2/2
		BY Buying Party (Purchaser)	
		SE Selling Party	
		ST Ship To	
		SU Supplier/Manufacturer	
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.	O ID 3/3
CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	

CUR08	373	Date Date (YYMMDD).	O DT 6/6
CUR09	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4
CUR10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	
CUR11	373	Date Date (YYMMDD).	O DT 6/6
CUR12	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4
CUR13	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	
CUR14	373	Date Date (YYMMDD).	O DT 6/6
CUR15	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4
CUR16	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	
CUR17	373	Date Date (YYMMDD).	O DT 6/6
CUR18	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4
CUR19	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	
CUR20	373	Date Date (YYMMDD).	O DT 6/6
CUR21	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4

Segment: PO3 Additional Item Detail
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 25
Purpose: To specify additional item related data involving variations in normal price/quantity structure.
Syntax: 1 If PO304 is present, then at least one of PO303 or PO305 must be present.
Comments: A 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).
 B PO307 defines the unit of measure for PO306.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PO301	371	Change Reason Code Code specifying the reason for price or quantity change.	M ID 2/2
PO302	373	Date Date (YYMMDD).	O DT 6/6
PO303	236	Price Qualifier Code identifying pricing specification.	O ID 3/3
PO304	212	Unit Price Price per unit of product, service, commodity, etc.	C R 1/14
PO305	639	Basis of Unit Price Code Code identifying the type of unit price for an item.	O ID 2/2
PO306	380	Quantity Numeric value of quantity.	M R 1/10
PO307	355	Unit of Measurement Code Code identifying the basic unit of measurement.	M ID 2/2
PO308	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80

Segment: CTP Pricing Information
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 1
Purpose: To specify pricing information
Syntax: 1 If CTP02 is present, then CTP03 is required.
 2 If CTP04 is present, then CTP05 is required.
 3 If CTP06 is present, then CTP07 is required.
Comments: A Example of use of CTP03 and CTP04.

PRICE	QUANTITY RANGE
1.00	0 to 999
0.75	1000 to 4999
0.50	5000 to 9999
0.25	10000 and above

CTP03	CTP04
1.00	0
0.75	1000
0.50	5000
0.25	10000

B Example of use of CTP03, CTP04 and CTP07.

CTP03	CTP04	CTP07
1.00	0	0.90
0.75	1000	0.90
0.50	5000	0.90
0.25	10000	0.90

C CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of 90 would be the factor if a 10% discount is given.

Notes: Not Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CTP01	687	Class of Trade Code Code indicating class of trade.	O ID 2/2
CTP02	236	Price Qualifier Code identifying pricing specification.	O ID 3/3
CTP03	212	Unit Price Price per unit of product, service, commodity, etc.	C R 1/14
CTP04	380	Quantity Numeric value of quantity.	O R 1/10
CTP05	355	Unit of Measurement Code	C ID 2/2

Code identifying the basic unit of measurement.

CTP06 648 Price Multiplier Qualifier O ID 3/3
Code indicating the type of price multiplier.

CTP07 649 Multiplier C R 1/10
Value, identified by price multiplier qualifier, to be used to multiply price to obtain a new value.

FINAL

Segment: **PID** Product/Item Description
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax: 1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 must be present.
Comments: **A** When PID01 is "F", PID04 is not used.
B Use PID03 to indicate the organization that publishes the code list being referred to.
C PID04 should be used for industry-specific product description codes.
D Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Notes: Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PID01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
F Free-form			
PID02	750	Product/Process Characteristic Code Code specifying the product or process characteristic being described.	O ID 2/3
PID03	348	Item Description Qualifier Code identifying agency responsible for the code used.	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 ID 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.	O ID 2/2
Not Used by PIDX			

Segment: **MEA** Measurements
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimensions, tolerances, weights and counts.
Syntax: 1 Either MEA03 or MEA05 or MEA06 or MEA08 is required.
 2 If either MEA03, MEA05 or MEA06 is used, MEA04 is required.
 3 If MEA07 is used MEA03 is required.
 4 Either MEA08 or MEA03 may be used, but not both.
Comments: A When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

REF. DIS.	DATA ELEMENT	NAME	ATTRIBUTES
MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited.	O ID 2/2
MEA02	738	Measurement Qualifier Code identifying the type of measurement.	O ID 1/3
MEA03	739	Measurement Value The value of the measurement.	C R 1/10
MEA04	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C 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.	O ID 2/2
MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined.	C ID 2/2
MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described.	O ID 2/2

Segment: **PWK** Paperwork
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 25
Purpose: To specify the type and transmission of paperwork relating to product or order.
Syntax: 1 If either PWK05 or PWK06 is present, then the other is required.
Comments: A PWK05 and PWK06 may be used to identify the addressee by a code number.
 B PWK07 may be used to indicate special information to be shown on the specified report.

Data Element Summary

REF. DIS.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	Report Type Code Code indicating the title and/or contents of a document or report.	M ID 2/2
PWK02	756	Report Transmission Code Code defining timing and transmission method by which reports are to be sent.	M ID 2/2
PWK03	757	Report Copies Needed The number of copies of a report that should be sent to the addressee.	O N0 1/2
PWK04	98	Entity Identifier Code Code identifying an organizational entity or a physical location. BY Buying Party (Purchaser) SE Selling Party ST Ship To SU Supplier/Manufacturer	O ID 2/2
PWK05	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). 9 DUNS with 4-character suffix	C ID 1/2
PWK06	67	Identification Code Code identifying a party.	C ID 2/17
PWK07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80

Segment: **PKG** Marking, Packaging, Loading
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading and unloading requirements.
Syntax: 1 If PKG04 is present, then PKG03 is required.
 2 At least one of PKG04 or PKG05 must be present.
Comments: A Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
 B When PKG01 is "F", PKG04 is not used.
 C Use PKG03 to indicate the organization that publishes the code list being referred to.
 D PKG04 should be used for industry-specific packaging description codes.
 E Special marking or tagging data can be given in PKG05 (Description).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PKG01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
PKG02	753	Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described.	O ID 1/5
PKG03	348	Item Description Qualifier Code identifying agency responsible for the code used.	C ID 2/2
PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	C ID 1/7
PKG05	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **PO4** Item Physical Details
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 1
Purpose: To specify the physical qualities, packaging, weights and dimensions relating to the item.
Syntax: 1 If PO402 is present, then PO403 is required.
 2 If PO405 is present, then at least one of PO406 or PO407 is required.
 3 If PO408 is present, then PO409 is required.
 4 If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
Comments: A PO403 - The "Unit of Measure Code" (Element #355) in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. Example: If the carton contains 24 12-Ounce packages, it would be described as follows: Element 356 = 24; Element 357 = 12; Element 355 = OZ.
 B PO410 defines the unit of measure for PO408, PO409, and PO410.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PO401	356	Pack Number of inner pack units per outer pack unit.	O NO 1/6
PO402	357	Size Size of supplier units in pack.	O R 1/8
PO403	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
PO404	103	Packaging Code Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.	O ID 5/5
PO405	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
PO406	384	Gross Weight per Pack Numeric value of gross weight per pack.	C R 1/9
PO407	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
PO408	385	Gross Volume per Pack Numeric value of gross volume per pack.	O R 1/9
PO409	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
PO410	82	Length Largest horizontal dimension of an object measured when the object is in the upright position.	O R 1/6
PO411	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position.	O R 1/8

PO412 65 Height O R 1/6
Vertical dimension of an object measured when the object is in the upright position.

PO413 355 Unit of Measurement Code C ID 2/2
Code identifying the basic unit of measurement.

FINAL

Segment: REF Reference Numbers
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier Code qualifying the Reference 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.	M AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80

FINAL

Segment: **PER** Administrative Communications Contact
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax: 1 If PER03 is present, then PER04 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named.	M ID 2/2
		AC Administrative Contracting Officer	
		BD Buyer Name or Department Recommended by PIDX	
		DE Design Engineer	
		EB Entered By	
		EN Engineer	
PER02	93	Name Free-form name.	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number.	O ID 2/2
		AU AUTOVON	
		EM Electronic Mail	
		FT Federal Telecommunications System (FTS)	
		FX Facsimile	
		IT International Telephone	
		PS Packet Switching	
		TE Telephone	
		TL Telex	
		TM Telemail	
		TX TWX	
PER04	364	Communication Number Complete communications number including country or area code when applicable.	C AN 7/21

Segment: **SSS** Special Services
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 25
Purpose: To specify special conditions or services associated with the purchased product
Comments: A SSS07 (Description) is normally used to clarify/expand on the services to be provided.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SSS01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified.	M ID 1/1
SSS02	559	Association Qualifier Code Code identifying the association assigning the code values.	M ID 2/2
SSS03	560	Special Services Code Code identifying the special service.	M ID 2/10
SSS04	561	Service Marks and Numbers Data used to identify the performance of the service specified by Special Services Code (560).	O AN 1/45
SSS05	359	Allowance or Charge Rate Allowance or Charge Rate per Unit.	O R 1/9
SSS06	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	O N2 1/9
SSS07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80

Segment: **ITA** Allowance, Charge or Service
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 10
Purpose: To specify allowances, charges or services
Syntax: 1 If ITA02 is present, then at least one of ITA03, or ITA13 is required.
 2 At least one of ITA06, ITA07, or ITA08 must be present.
 3 If ITA08 is present, then ITA09 is required.
 4 If ITA10 is present, then ITA11 is required.
Comments: A If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
 B ITA12 is the quantity of free goods.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified.	M ID 1/1
ITA02	559	Association Qualifier Code Code identifying the association assigning the code values.	O ID 2/2
ITA03	560	Special Services Code Code identifying the special service.	C ID 2/10
ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge.	M ID 2/2
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
ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	C N2 1/9
ITA08	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated.	C ID 1/1
ITA09	332	Allowance or Charge Percent Allowance or charge expressed as a percent.	C R 1/6
ITA10	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
ITA11	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
ITA12	380	Quantity Numeric value of quantity.	O R 1/10
ITA13	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80
ITA14	150	Special Charge Code Code identifying type of special charge.	O ID 3/3

Segment: **IT8** Conditions of Sale
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 1
Purpose: To specify general conditions or requirements and to detail conditions for substitution of alternate products
Syntax: 1 At least one of IT801, IT802, IT803, IT805 or IT807 must be present.
 2 If IT808 is present, then IT809 is required.
 3 If IT810 is present, then IT811 is required.
 4 If IT812 is present, then IT813 is required.
 5 If IT814 is present, then IT815 is required.
 6 If IT816 is present, then IT817 is required.
 7 If IT818 is present, then IT819 is required.
 8 If IT820 is present, then IT821 is required.
 9 If IT822 is present, then IT823 is required.
 10 If IT824 is present, then IT825 is required.
 11 If IT826 is present, then IT827 is required.
Comments: A Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
 B IT804 is the account number to which the purchase amount is to be charged.
 C IT808 through IT827 provides for ten (10) different product/service ID's for each item. Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes: Not Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
IT801	563	Back-Order Code Code to identify the back-order agreement.	C ID 1/1
IT802	564	Do-Not-Exceed Action Code Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565).	C ID 1/1
IT803	565	Do-Not-Exceed Amount Maximum monetary amount value which the order must not exceed.	C N2 2/9
IT804	508	Account Number Account number assigned.	O AN 1/35
IT805	596	Required Invoice Date Date specified by the sender to be shown on the invoice.	C DT 6/6
IT806	559	Association Qualifier Code Code identifying the association assigning the code values.	O ID 2/2

IT807	566	Product/Service Substitution Code Code indicating product or service substitution conditions.	C	ID	1/2
IT808	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT809	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT810	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT811	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT812	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT813	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT814	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT815	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT816	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT817	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT818	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT819	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT820	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT821	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT822	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT823	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT824	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT825	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30
IT826	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
IT827	234	Product/Service ID Identifying number for a product or service.	C	AN	1/30

Segment: ITD Terms of Sale/Deferred Terms of Sale
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 2
Purpose: To specify terms of sale.
Syntax: 1 If ITD03 is present, then at least one of ITD04, ITD05, 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 ITD10 or ITD11 is required.
Comments: A If the code in ITD01 is 04, then ITD09 is required and either ITD10 or ITD11 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required. If the code in ITD01 does not equal 04 or 05, then ITD03 or ITD08 is required.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITD01	336	Terms Type Code Code identifying type of payment terms.	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period.	M 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

Segment: **DIS** Discount Detail
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 20

Purpose: To specify the exact type and terms of various discount information.

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
DIS01	653	Discount Terms Type Code Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc.	M ID 3/3
DIS02	654	Discount Base Qualifier Code to define unit of discount, i.e., dollars, cases, alternate products, etc.	M ID 2/2
DIS03	655	Discount Base Value A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount.	M R 1/10
DIS04	656	Discount Control Limit Qualifier Code to define the units of the limits for determining discount.	M ID 2/3
DIS05	657	Lower Discount Control Limit Amount or time minimum for application of the discount.	M NO 1/10
DIS06	658	Upper Discount Control Limit Amount or time maximum for application of the discount.	O NO 1/10

Segment: **TAX** Sales Tax Reference
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 3

Purpose: To provide data required for proper notification/determination of applicable sales and related taxes applying to the transaction.

Syntax: 1 At least one of TAX01 or TAX02 must be present.
 2 If TAX02 is present, then TAX03 is required.
 3 If TAX04 is present, then TAX05 is required.
 4 If TAX06 is present, then TAX07 is required.
 5 If TAX08 is present, then TAX09 is required.
 6 If TAX10 is present, then TAX11 is required.

Comments: **A** Tax ID number is, in many instances, referred to as a "Tax Exemption Number." The paired (combined) use of data elements 309 and 310 provides for the designation of five (5) taxing jurisdictions.

B TAX01 is required if tax exemption is being claimed.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TAX01	325	Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.), often called a tax exemption number or certificate number.	C AN 1/20
TAX02	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX03	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX04	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX05	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX06	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX07	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX08	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX09	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX10	309	Location Qualifier Code identifying type of location.	O ID 1/2
TAX11	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX12	441	Tax Exempt Code Code identifying exemption status from sales and use tax.	O ID 1/1

Segment: **FOB** F.O.B. Related Instructions
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax: 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.
Comments: A FOB01 indicates which party will pay the carrier.
 B FOB02 is the code specifying transportation responsibility location.
 C FOB06 is the code specifying title passage location.
 D FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges.	M ID 2/2
FOB02	309	Location Qualifier Code identifying type of location.	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.	O ID 2/2
FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility.	C ID 3/3
FOB06	309	Location Qualifier Code identifying type of location.	C ID 1/2
FOB07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes.	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: **SDQ** Destination Quantity
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 50
Purpose: To specify destination and quantity detail.
Syntax: 1 If SDQ05 is present, then SDQ06 must be present.
 2 If SDQ07 is present, then SDQ08 must be present.
 3 If SDQ09 is present, then SDQ10 must be present.
 4 If SDQ11 is present, then SDQ12 must be present.
 5 If SDQ13 is present, then SDQ14 must be present.
 6 If SDQ15 is present, then SDQ16 must be present.
 7 If SDQ17 is present, then SDQ18 must be present.
 8 If SDQ19 is present, then SDQ20 must be present.
 9 If SDQ21 is present, then SDQ22 must be present.
Comments: A SDQ02 is used only if different than previously defined in the transaction set.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SDQ01	355	Unit of Measurement Code Code identifying the basic unit of measurement.	M ID 2/2
SDQ02	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). 9 DUNS with 4-character suffix	O ID 1/2
SDQ03	67	Identification Code Code identifying a party.	M ID 2/17
SDQ04	380	Quantity Numeric value of quantity.	M R 1/10
SDQ05	67	Identification Code Code identifying a party.	O ID 2/17
SDQ06	380	Quantity Numeric value of quantity.	C R 1/10
SDQ07	67	Identification Code Code identifying a party.	O ID 2/17
SDQ08	380	Quantity Numeric value of quantity.	C R 1/10
SDQ09	67	Identification Code Code identifying a party.	O ID 2/17
SDQ10	380	Quantity Numeric value of quantity.	C R 1/10
SDQ11	67	Identification Code Code identifying a party.	O ID 2/17
SDQ12	380	Quantity Numeric value of quantity.	C R 1/10

SDQ13	67	Identification Code	O ID	2/17
		Code identifying a party.		
SDQ14	380	Quantity	C R	1/10
		Numeric value of quantity.		
SDQ15	67	Identification Code	O ID	2/17
		Code identifying a party.		
SDQ16	380	Quantity	C R	1/10
		Numeric value of quantity.		
SDQ17	67	Identification Code	O ID	2/17
		Code identifying a party.		
SDQ18	380	Quantity	C R	1/10
		Numeric value of quantity.		
SDQ19	67	Identification Code	O ID	2/17
		Code identifying a party.		
SDQ20	380	Quantity	C R	1/10
		Numeric value of quantity.		
SDQ21	67	Identification Code	O ID	2/17
		Code identifying a party.		
SDQ22	380	Quantity	C R	1/10
		Numeric value of quantity.		

Segment: **DTM** Date/Time Reference
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax: 1 At least one of DTM02 or DTM03 must be present.

Data Element Summary

REF. DIS.	DATA ELEMENT	NAME	ATTRIBUTES
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time.	
		002 Delivery Requested	
		038 Ship No Later	
		106 Required By	
DTM02	373	Date	C DT 6/6
		Date (YYMMDD).	
		Recommended by PIDX	
DTM03	337	Time	C TM 4/4
		Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	
DTM04	623	Time Code	O ID 2/2
		Code identifying the time.	

Segment: LDT Lead Time
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 12
Purpose: To specify lead time for availability of products and services.
Comments: A LDT04 is the effective date of lead time information.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
LDT01	345	Lead Time Code Code indicating the time range.	M ID 2/2
LDT02	380	Quantity Numeric value of quantity.	M R 1/10
LDT03	344	Unit of Time Period Code Code indicating the time period.	M ID 2/2
LDT04	373	Date Date (YYMMDD).	O DT 6/6

FINAL

Segment: SCH Line Item Schedule
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 104
Purpose: To specify the data for scheduling a specific line item.
Syntax: 1 If SCH03 is present, then SCH04 is required.
 2 If SCH09 is used, then SCH08 is required.
Comments: A SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SCH01	380	Quantity Numeric value of quantity.	M R 1/10
SCH02	355	Unit of Measurement Code Code identifying the basic unit of measurement.	M ID 2/2
SCH03	98	Entity Identifier Code Code identifying an organizational entity or a physical location. BY Buying Party (Purchaser) SE Selling Party ST Ship To SU Supplier/Manufacturer	O ID 2/2
SCH04	93	Name Free-form name.	C AN 1/35
SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 002 Delivery Requested 038 Ship No Later 106 Required By	M ID 3/3
SCH06	373	Date Date (YYMMDD).	M DT 6/6
SCH07	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4
SCH08	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 002 Delivery Requested 038 Ship No Later 106 Required By	O ID 3/3
SCH09	373	Date Date (YYMMDD).	C DT 6/6
SCH10	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4

Segment: **FST** Forecast Schedule
Level: Detail
Loop: PO1
Usage: Optional
Max Use: >1
Purpose: To specify the forecasted dates and quantities
Syntax: 1 If FST06 or FST07 are present, then the other is required.
 2 If either FST08 or FST09 is used, the other is required.
Comments: **A** As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.
B If FST03 - "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.
C FST06 - To qualify time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock, to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as "AM" or "PM".

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
FST01	380	Quantity Numeric value of quantity.	M R 1/10
FST02	680	Forecast Qualifier Code specifying the sender's confidence level of the forecast data.	M ID 1/1
FST03	681	Forecast Timing Qualifier Code specifying interval grouping of the forecast.	M ID 1/1
FST04	373	Date Date (YYMMDD).	M DT 6/6
FST05	373	Date Date (YYMMDD).	O DT 6/6
FST06	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID 3/3
002 Delivery Requested			
038 Ship No Later			
106 Required By			
FST07	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	C TM 4/4
FST08	128	Reference Number Qualifier Code qualifying the Reference Number.	C ID 2/2
FST09	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

Segment: **TD1** Carrier Details (Quantity and Weight)
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight and quantity.
Syntax: 1 If TD101 is present, then TD102 is required.
 2 If TD103 is present, then TD104 is required.
 3 If TD106 is present, then TD107, and TD108 are required.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD101	103	Packaging Code Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.	O ID 5/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity.	C N0 1/7
TD103	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code.	O ID 1/1
TD104	22	Commodity Code Code describing a commodity or group of commodities.	C ID 1/16
TD105	79	Lading Description Description of an item as required for rating and billing purposes.	O AN 1/50
TD106	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD107	81	Weight Numeric value of weight.	C R 1/8
TD108	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 12
Purpose: To specify the carrier, sequence of routing and to provide transit time information
Syntax: 1 At least one of TD502, TD504, or TD505 must be present.
 2 If TD502 is present, then TD503 is required.
 3 If TD507 is present, then TD508 is required.
 4 If TD510 is present, then TD511 is required.

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

Notes: Not Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement.	O ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
TD503	67	Identification Code Code identifying a party.	C ID 2/17
TD504	91	Transportation Method Code Code specifying the method 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
TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment	O ID 2/2
TD507	309	Location Qualifier Code identifying type of location.	O ID 1/2
TD508	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TD509	731	Transit Direction Code The point of origin and point of direction.	O ID 2/2
TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time.	O ID 2/2
TD511	733	Transit Time The numeric amount of transit time.	C R 1/4

Segment: **TD3** Carrier Details (Equipment)
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 12
Purpose: To specify transportation details relating to the equipment used by the carrier.
Syntax: 1 If TD302 is present, then TD303 is required.
 2 If TD304 is present, then TD305, and TD306 are required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD301	40	Equipment Description Code Code identifying type of equipment used for shipment.	M ID 2/2
TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number.	O AN 1/4
TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	C AN 1/10
TD304	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD305	81	Weight Numeric value of weight.	C R 1/8
TD306	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
TD307	102	Ownership Code Code indicating the relationship of equipment to carrier.	O ID 1/1

Segment: **TD4** Carrier Details (Special Handling/Hazardous Materials)
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements and hazardous materials information
Syntax: 1 At least one of TD401 or TD404 must be present.
 2 If TD402 is present, then TD403 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD401	152	Special Handling Code Code specifying special transportation handling instructions.	C ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209).	O ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material.	C ID 2/4
TD404	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **MAN** Marks and Numbers
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 10
Purpose: To indicate identifying marks and numbers for shipping containers

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
MAN01	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87).	M ID 1/2
MAN02	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment.	M AN 1/45

Segment: **RRA** Required Response
Level: Detail
Loop: PO1
Usage: Optional
Max Use: 25
Purpose: To indicate information that is required to be included in the response.
Comments: **A** Use RRA02 only to specify applicable regulatory or contractual clause.

Data Element Summary

REF. DES.	DATA ELEMENT NAME	ATTRIBUTES
RRA01	701 Information Type Code specifying the information required in the response.	M ID 2/2
RRA02	127 Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	O AN 1/30

Segment: **SLN** Subline Item Detail
Level: Detail
Loop: PO1/SLN **Repeat:** 1000
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax: 1 If SLN06 is present, then SLN08 is required.
2 If SLN07 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.

Comments: **A** See the Data Dictionary for a complete list of ID's.
B SLN01 is the identifying number for the subline item. It is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
C SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
D SLN03 through SLN28 provide for eleven (11) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT NAME	ATTRIBUTES
SLN01	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	M AN 1/6
SLN02	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/6
SLN03	661 Configuration Code Code indicating the relationship of the subline item to the baseline item.	M ID 1/1
SLN04	380 Quantity Numeric value of quantity.	M R 1/10
SLN05	355 Unit of Measurement Code Code identifying the basic unit of measurement.	M ID 2/2

SLN06	212	Unit Price Price per unit of product, service, commodity, etc.	C R	1/14
SLN07	639	Basis of Unit Price Code Code identifying the type of unit price for an item.	O ID	2/2
SLN08	662	Subline Price Change Code ID Code indicating the relationship of the subline item unit price to the baseline item unit price.	C ID	1/1
SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
SLN10	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
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).	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).	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).	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).	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).	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).	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).	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).	O ID	2/2
SLN28	234	Product/Service ID Identifying number for a product or service.	C AN	1/30

Segment: **PID** Product/Item Description
Level: Detail
Loop: PO1/SLN
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax: 1 If PID04 is present, then PID03 is required.
 2 At least one of PID04 or PID05 must be present.
Comments: **A** When PID01 is "F", PID04 is not used.
B Use PID03 to indicate the organization that publishes the code list being referred to.
C PID04 should be used for industry-specific product description codes.
D Use PID06 when necessary to refer to the product surface or layer being described in the segment.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PID01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
PID02	750	Product/Process Characteristic Code Code specifying the product or process characteristic being described.	O ID 2/3
PID03	348	Item Description Qualifier Code identifying agency responsible for the code used.	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 ID 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.	O ID 2/2

Segment: **N9** Reference Number

Level: Detail

Loop: PO1/N9 **Repeat:** 1000

Usage: Optional

Max Use: 1

Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier

Syntax: 1 At least one of N902 or N903 must be present.

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N901	128	Reference Number Qualifier Code qualifying the Reference 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.	C AN 1/30
N903	369	Free-form Description Free-form descriptive text.	C AN 1/45
N904	373	Date Date (YYMMDD).	O DT 6/6
N905	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	O TM 4/4

Segment: **MSG** Message Text

Level: Detail

Loop: PO1/N9

Usage: Optional

Max Use: 1000

Purpose: To provide a free form format that would allow the transmission of text information.

Comments: A MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
MSG01	933	Free-Form Message Text Free-form message text.	M AN 1/264
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

Segment: **N1** Name
Level: Detail
Loop: PO1/N1 **Repeat:** 200
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax: 1 At least one of N102 or N103 must be present.
 2 If either N103 or N104 is present, then the other is required.
Comments: **A** 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. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
		BY Buying Party (Purchaser)	
		SE Selling Party	
		ST Ship To	
		SU Supplier/Manufacturer	
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
		9 DUNS with 4-character suffix	
N104	67	Identification Code Code identifying a party.	C ID 2/17

Segment: **N2** Additional Name Information
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N201	93	Name Free-form name.	M AN 1/35
N202	93	Name Free-form name.	O AN 1/35

Segment: N3 Address Information
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N301	166	Address Information Address information	M AN 1/35
N302	166	Address Information Address information	O AN 1/35

FINAL

Segment: N4 Geographic Location
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax: 1 At least one of N401 or N405 must be present.
 2 If N401 is present, then N402 is required.
 3 If either N405 or N406 is present, then the other is required.
Comments: A A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
 B 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) defined by appropriate governmental agencies.	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.	O ID 2/2
N405	309	Location Qualifier Code identifying type of location.	O ID 1/2
N406	310	Location Identifier Code which identifies a specific location.	C AN 1/25

Segment: REF Reference Numbers
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
REF02	127	Reference Number	M AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
REF03	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content.	

FINAL

Segment: PER Administrative Communications Contact
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax: 1 If PER03 is present, then PER04 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PER01	366	Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named.	
		AC Administrative Contracting Officer	
		BD Buyer Name or Department	
		Recommended by PIDX	
		DE Design Engineer	
		EB Entered By	
		EN Engineer	
PER02	93	Name	O AN 1/35
		Free-form name.	
PER03	365	Communication Number Qualifier	O ID 2/2
		Code identifying the type of communication number.	
		AU AUTOVON	
		EM Electronic Mail	
		FT Federal Telecommunications System (FTS)	
		FX Facsimile	
		IT International Telephone	
		PS Packet Switching	
		TE Telephone	
		TL Telex	
		TM Telemail	
		TX TWX	
PER04	364	Communication Number	C AN 7/21
		Complete communications number including country or area code when applicable.	

Segment: **FOB** F.O.B. Related Instructions
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax: 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.
Comments: A FOB01 indicates which party will pay the carrier.
 B FOB02 is the code specifying transportation responsibility location.
 C FOB06 is the code specifying title passage location.
 D FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges.	M ID 2/2
FOB02	309	Location Qualifier Code identifying type of location.	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.	O ID 2/2
FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility.	C ID 3/3
FOB06	309	Location Qualifier Code identifying type of location.	C ID 1/2
FOB07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes.	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: **TD1** Carrier Details (Quantity and Weight)
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 2
Purpose: To specify the transportation details relative to commodity, weight and quantity.
Syntax: 1 If TD101 is present, then TD102 is required.
 2 If TD103 is present, then TD104 is required.
 3 If TD106 is present, then TD107, and TD108 are required.
Notes: **Not Recommended by PIDX**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD101	103	Packaging Code Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.	O ID 5/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity.	C N0 1/7
TD103	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code.	O ID 1/1
TD104	22	Commodity Code Code describing a commodity or group of commodities.	C ID 1/16
TD105	79	Lading Description Description of an item as required for rating and billing purposes.	O AN 1/50
TD106	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD107	81	Weight Numeric value of weight.	C R 1/8
TD108	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 12
Purpose: To specify the carrier, sequence of routing and to provide transit time information
Syntax: 1 At least one of TD502, TD504, or TD505 must be present.
 2 If TD502 is present, then TD503 is required.
 3 If TD507 is present, then TD508 is required.
 4 If TD510 is present, then TD511 is required.

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

Notes: Not Recommended by PIDX

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement.	O ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
TD503	67	Identification Code Code identifying a party.	C ID 2/17
TD504	91	Transportation Method Code Code specifying the method 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
TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment	O ID 2/2
TD507	309	Location Qualifier Code identifying type of location.	O ID 1/2
TD508	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TD509	731	Transit Direction Code The point of origin and point of direction.	O ID 2/2
TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time.	O ID 2/2
TD511	733	Transit Time The numeric amount of transit time.	C R 1/4

Segment: **TD3** Carrier Details (Equipment)
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 12
Purpose: To specify transportation details relating to the equipment used by the carrier.
Syntax: 1 If TD302 is present, then TD303 is required.
 2 If TD304 is present, then TD305, and TD306 are required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD301	40	Equipment Description Code Code identifying type of equipment used for shipment.	M ID 2/2
TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number.	O AN 1/4
TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred).	C AN 1/10
TD304	187	Weight Qualifier Code defining the type of weight.	O ID 1/2
TD305	81	Weight Numeric value of weight.	C R 1/8
TD306	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
TD307	102	Ownership Code Code indicating the relationship of equipment to carrier.	O ID 1/1

Segment: **TD4** Carrier Details (Special Handling/Hazardous Materials)
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements and hazardous materials information
Syntax: 1 At least one of TD401 or TD404 must be present.
 2 If TD402 is present, then TD403 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD401	152	Special Handling Code Code specifying special transportation handling instructions.	C ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209).	O ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material.	C ID 2/4
TD404	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **PKG** Marking, Packaging, Loading
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading and unloading requirements.
Syntax: 1 If PKG04 is present, then PKG03 is required.
 2 At least one of PKG04 or PKG05 must be present.
Comments: A Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
 B When PKG01 is "F", PKG04 is not used.
 C Use PKG03 to indicate the organization that publishes the code list being referred to.
 D PKG04 should be used for industry-specific packaging description codes.
 E Special marking or tagging data can be given in PKG05 (Description).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PKG01	349	Item Description Type Code indicating the format of a description.	M ID 1/1
PKG02	753	Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described.	O ID 1/5
PKG03	348	Item Description Qualifier Code identifying agency responsible for the code used.	C ID 2/2
PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	C ID 1/7
PKG05	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **RRA** Required Response
Level: Detail
Loop: PO1/N1
Usage: Optional
Max Use: 25
Purpose: To indicate information that is required to be included in the response.
Comments: **A** Use RRA02 only to specify applicable regulatory or contractual clause.

Data Element Summary

REF. DES.	DATA ELEMENT NAME	ATTRIBUTES
RRA01	701 Information Type Code specifying the information required in the response.	M ID 2/2
RRA02	127 Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	O AN 1/30

Segment: **CTT** Transaction Totals
Level: Summary
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax: 1 If CTT03 is present, then CTT04 is required.
2 If CTT05 is present, then CTT06 is required.
Comments: **A** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

REF. DES.	DATA ELEMENT NAME	ATTRIBUTES
CTT01	354 Number of Line Items Total number of line items in the transaction set.	M NO 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 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.	O R 1/10
Not Used by PIDX		
CTT03	81 Weight Numeric value of weight.	O R 1/8
Not Used by PIDX		
CTT04	355 Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
Not Used by PIDX		
CTT05	183 Volume Value of volumetric measure.	O R 1/8
Not Used by PIDX		
CTT06	355 Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
Not Used by PIDX		
CTT07	352 Description A free-form description to clarify the related data elements and their content.	O AN 1/80
Not Used by PIDX		

Segment: SE Transaction Set Trailer

Level: Summary

Loop: _____

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).

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

Data Element Summary

REF. DES.	DATA ELEMENT NAME	ATTRIBUTES
SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M NO 1/6
SE02	329 Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9

FINAL

FINAL