

860 Purchase Order Change Request - Buyer Initiated

FUNCTIONAL GROUP ID = **PC**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

Header

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
5	010	ST	Transaction Set Header	M	1	
6	020	BCH	Beginning Segment for Purchase Order Change	M	1	
Not Used	030	NTE	Note/Special Instruction	F	100	
8	040	CUR	Currency	O	1	
10	050	REF	Reference Numbers	O	12	
Not Used	060	PER	Administrative Communications Contact	O	3	
Not Used	070	TAX	Tax Reference	O	3	
11	080	FOB	F.O.B. Related Instructions	O	1	
Not Used	090	CTP	Pricing Information	O	25	
Not Used	100	SSS	Special Services	O	25	
Not Used	110	CSH	Header Sale Condition	O	5	
Not Used	120	ITA	Allowance, Charge or Service	O	10	
13	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
Not Used	140	DIS	Discount Detail	O	20	
Not Used	145	INC	Installment Information	O	1	
15	150	DTM	Date/Time Reference	O	10	
Not Used	160	LDT	Lead Time	O	12	
Not Used	180	LIN	Item Identification	O	5	
Not Used	185	SI	Service Characteristic Identification	O	2	
Not Used	190	PID	Product/Item Description	O	200	
Not Used	200	MEA	Measurements	O	40	
16	210	PWK	Paperwork	O	25	
Not Used	220	PKG	Marking, Packaging, Loading	O	200	
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2	
18	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250	TD3	Carrier Details (Equipment)	O	12	

Not Used	260	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	270	MAN	Marks and Numbers	O	10	
Not Used	280	N9	Reference Number	O	1	1000
Not Used	290	MSG	Message Text	O	1000	
20	300	N1	Name	O	1	200
21	310	N2	Additional Name Information	O	2	
22	320	N3	Address Information	O	2	
23	330	N4	Geographic Location	O	1	
Not Used	335	NX2	Real Estate Property ID Component	O	3	
Not Used	340	REF	Reference Numbers	O	12	
24	350	PER	Administrative Communications Contact	O	3	
Not Used	360	FOB	F.O.B. Related Instructions	O	1	
Not Used	370	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	390	TD3	Carrier Details (Equipment)	O	12	
Not Used	400	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	410	PKG	Marking, Packaging, Loading	O	200	

Detail

25	010	POC	Line Item Change	O	1	10000
Not Used	018	SI	Service Characteristic Identification	O	5	
Not Used	020	CUR	Currency	O	1	
Not Used	030	PO3	Additional Item Detail	O	25	
Not Used	040	CTP	Pricing Information	O	25	
Not Used	049	MEA	Measurements	O	40	
28	050	PID	Product/Item Description	O	1	1000
Not Used	060	MEA	Measurements	O	10	
30	070	PWK	Paperwork	O	25	
32	080	PKG	Marking, Packaging, Loading	O	200	
Not Used	090	PO4	Item Physical Details	O	1	
34	100	REF	Reference Numbers	O	12	
35	110	PER	Administrative Communications Contact	O	3	
36	120	SSS	Special Services	O	25	
37	130	ITA	Allowance, Charge or Service	O	10	
Not Used	140	IT8	Conditions of Sale	O	1	
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	160	DIS	Discount Detail	O	20	
Not Used	165	INC	Installment Information	O	1	

40	170 TAX	Tax Reference	O	3	
Not Used	180 FOB	F.O.B. Related Instructions	O	1	
Not Used	190 SDQ	Destination Quantity	O	500	
42	200 DTM	Date/Time Reference	O	10	
Not Used	210 LDT	Lead Time	O	12	
43	220 SCH	Line Item Schedule	O	200	
Not Used	230 TD1	Carrier Details (Quantity and Weight)	O	1	
45	240 TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250 TD3	Carrier Details (Equipment)	O	12	
Not Used	260 TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	270 MAN	Marks and Numbers	O	10	
Not Used	280 AMT	Monetary Amount	O	1	
Not Used	285 TC2	Commodity	O	2	
Not Used	320 N9	Reference Number	O	1	1000
Not Used	330 MSG	Message Text	O	1000	
47	340 N1	Name	O	1	200
48	350 N2	Additional Name Information	O	2	
49	360 N3	Address Information	O	2	
50	370 N4	Geographic Location	O	1	
Not Used	375 NX2	Real Estate Property ID Component	O	3	
Not Used	380 REF	Reference Numbers	O	12	
Not Used	390 PER	Administrative Communications Contact	O	3	
Not Used	400 FOB	F.O.B. Related Instructions	O	1	
Not Used	410 TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	420 TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	430 TD3	Carrier Details (Equipment)	O	12	
Not Used	440 TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	450 PKG	Marking, Packaging, Loading	O	200	
52	460 SLN	Subline Item Detail	O	1	1000
Not Used	470 SI	Service Characteristic Identification	O	5	
55	480 PID	Product/Item Description	O	1000	
Not Used	490 PO3	Additional Item Detail	O	104	
Not Used	495 TC2	Commodity	O	2	
Not Used	500 ITA	Allowance, Charge or Service	O	10	
Not Used	510 DTM	Date/Time Reference	O	10	
Not Used	520 N1	Name	O	1	10
Not Used	530 N2	Additional Name Information	O	2	
Not Used	540 N3	Address Information	O	2	

Not Used	550 N4	Geographic Location	O	1	
Not Used	560 NX2	Real Estate Property ID Component	O	3	
Not Used	570 REF	Reference Numbers	O	12	
Not Used	580 PER	Administrative Communications Contact	O	3	

Summary

57	010 CTT	Transaction Totals	M	1	
59	020 AMT	Monetary Amount	O	1	
60	030 SE	Transaction Set Trailer	M	1	

FINAL

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
Semantic: 1 The transaction set identifier (ST01) used 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.	
		860 X12.15 Purchase Order Change Request - Buyer Initiated	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		The transaction set control number assigned by the originator is sequentially assigned within each functional group. The same control number will also appear in the SE segment (SE02) in the Summary Area for the transaction set.	

Segment: **BCH** Beginning Segment for Purchase Order Change
Level: Header
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the purchase order change transaction set and transmit identifying numbers and dates.
Semantic: 1 BCH09 is the seller's order number.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
BCH01	353	Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set.	
		01 Cancellation	
		"01" is used to cancel the complete P.O.	
		04 Change	
		"04" is used to "Cancel" or "Change" one (1) or more lines of an order, but not the complete order.	
		06 Confirmation	
		"06" is used when a verbal or other non-EDI P.O. Change has been given to the supplier.	
		07 Duplicate	
		"07" denotes a true duplicate; no changes have been made to the original P.O. Change.	
BCH02	92	Purchase Order Type Code	M ID 2/2
		Code specifying the type of Purchase Order.	
		CF Confirmation	
		RL Release or Delivery Order	
		SA Stand-alone Order	
BCH03	324	Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser.	
BCH04	328	Release Number	O AN 1/30
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	
		Recommended by PIDX	
		Used when BCH02 = RL.	
BCH05	327	Change Order Sequence Number	O AN 1/8
		Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set.	
		Required by PIDX	
BCH06	323	Purchase Order Date	M DT 6/6
		Date assigned by the purchaser to Purchase Order.	
		Required by PIDX	

BCH07	326	Request Reference Number	O AN 1/45
		Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number).	
		Not Used by PIDX	
BCH08	367	Contract Number	O AN 1/30
		Contract number.	
BCH09	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.	
		Supplier's tracking number, eg. Sales Order Number	
BCH10	588	Acknowledgment Date	O DT 6/6
		Date assigned by the sender to the acknowledgment.	
		Not Used by PIDX	
BCH11	279	Purchase Order Change Request Date	O DT 6/6
		Date of the purchase order change request.	
		Recommended by PIDX	

FINAL

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 C0807**
If CUR08 is present, then CUR07 is required.
- 2 C0907**
If CUR09 is present, then CUR07 is required.
- 3 C1110**
If CUR11 is present, then CUR10 is required.
- 4 C1210**
If CUR12 is present, then CUR10 is required.
- 5 C1413**
If CUR14 is present, then CUR13 is required.
- 6 C1513**
If CUR15 is present, then CUR13 is required.
- 7 C1716**
If CUR17 is present, then CUR16 is required.
- 8 C1816**
If CUR18 is present, then CUR16 is required.
- 9 C2019**
If CUR20 is present, then CUR19 is required.
- 10 C2119**
If CUR21 is present, then CUR19 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	M ID 2/2
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified.	M ID 3/3
CUR03	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another.	O R 4/6
CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified.	O ID 3/3
CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based.	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
CUR08	373	Date Date (YYMMDD).	O DT 6/6

CUR09	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM	4/6
CUR10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
CUR11	373	Date Date (YYMMDD).	O DT	6/6
CUR12	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM	4/6
CUR13	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
CUR14	373	Date Date (YYMMDD).	O DT	6/6
CUR15	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM	4/6
CUR16	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
CUR17	373	Date Date (YYMMDD).	O DT	6/6
CUR18	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM	4/6
CUR19	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	C ID	3/3
CUR20	373	Date Date (YYMMDD).	O DT	6/6
CUR21	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM	4/6

Segment: REF Reference Numbers
Level: Header
Loop: ____
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax: 1 R0203
At least one of REF02 or REF03 is required.

Notes: The REF segment is used only for accounting description and/or codes. If used, at least one of the following qualifiers is required which is provided by the customer: "AE", "CR", "DJ", "LU", or "WN". The direction of PIDX is to move toward the use of a single qualifier ("CR").

The REF segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both. It may be used at both the Header Level and Detail Level where business issues dictate between trading partners.

This segment is not to be used for additional "Ship To" information.

This segment should be used when an EDI Purchase Order/Release Number is not issued by the trading partner.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		AE Authorization for Expense (AFE) Number	
		CR Customer Reference Number	
		DJ Delivery Ticket Number	
		LU Location Number	
		WN Well Number	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **FOB** F.O.B. Related Instructions
Level: Header
Loop: ____
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax: 1 **C0302**
 If FOB03 is present, then FOB02 is required.
 2 **C0405**
 If FOB04 is present, then FOB05 is required.
 3 **C0706**
 If FOB07 is present, then FOB06 is required.
 4 **C0809**
 If FOB08 is present, then FOB09 is required.
Semantic: 1 FOB01 indicates which party will pay the carrier.
 2 FOB02 is the code specifying transportation responsibility location.
 3 FOB06 is the code specifying the title passage location.
 4 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
		CC Collect	
		CF Collect, Freight Credited Back to Customer	
		NC Service Freight, No Charge	
		PB Customer Pick-up/Backhaul	
		PC Prepaid but Charged to Customer	
		PP Prepaid (by Seller)	
		PU Pickup	
		TP Third Party Pay	
FOB02	309	Location Qualifier Code identifying type of location.	C ID 1/2
		DE Destination (Shipping)	
		FE Freight Equalization Point	
		OA Origin (After Loading on Equipment)	
		OR Origin (Shipping Point)	
		OV On Vessel (Free On Board [FOB] point)	

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
		PL Plant	
		WH Warehouse	
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
		Not Used by PIDX	
FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility.	C ID 3/3
		Not Used by PIDX	
FOB06	309	Location Qualifier Code identifying type of location.	C ID 1/2
		DE Destination (Shipping)	
		FE Freight Equalization Point	
		OA Origin (After Loading on Equipment)	
		OR Origin (Shipping Point)	
		OV On Vessel (Free On Board [FOB] point)	
		PL Plant	
		WH Warehouse	
FOB07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
		Not Used by PIDX	
FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes.	O ID 2/2
		Not Used by PIDX	
FOB09	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80
		Not Used by PIDX	

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 L03040513**
 If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 are required.
2 L08040513
 If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 are required.
3 L091011
 If ITD09 is present, then at least one of ITD10 or ITD11 are required.
Semantic: **1** ITD15 is the percentage applied to a base amount used to determine a late payment charge.
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.

Notes: The term "Discount" is payment discount, not pricing discount.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITD01	336	Terms Type Code Code identifying type of payment terms. Not Used by PIDX	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period. Required by PIDX 2 Delivery Date 3 Invoice Date 5 Invoice Receipt Date	O ID 1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. Recommended by PIDX	O R 1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned. Not Used by PIDX	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

Recommended by PIDX			
If ITD03 is sent, ITD05 is required. ITD03 must be greater than zero.			
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due. Not Used by PIDX	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. Not Used by PIDX	O N2 1/10
ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due. Not Used by PIDX	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. ITD10 - ITD12 are to be used for any special terms, ie: Retainage.	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. Not Used by PIDX	C N0 1/2
ITD14	107	Payment Method Code Code identifying type of payment procedures. Not Used by PIDX	O ID 1/1
ITD15	954	Percent Percentage expressed as a decimal Not Used by PIDX	O R 1/10

Segment: **DTM** Date/Time Reference

Level: Header

Loop: _____

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax: 1 R0203
At least one of DTM02 or DTM03 is required.

Notes: **DTM Segment is not commonly used at the Header Level and Detail Level. It is preferred to be used at the Header Level or Detail Level, not both.**

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	
		010 Requested Ship	
		074 Requested for Delivery (Prior to and Including)	
		079 Promised for Shipment	
		150 Service Period Start	
		151 Service Period End	
DTM02	373	Date Date (YYMMDD).	C DT 6/6
		Required by PIDX	
DTM03	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	C TM 4/6
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.	O ID 2/2
DTM05	624	Century The first two characters in the designation of the year (CCYY).	O NO 2/2

Segment: **PWK** Paperwork

Level: Header

Loop: _____

Usage: Optional

Max Use: 25

Purpose: To identify the type and transmission of paperwork or supporting information

Syntax: 1 P0506
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.

C PWK08 may be used to indicate action pertaining to a report.

Notes: **PWK Segment is not commonly used at the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, NOT BOTH.**

This segment should be used only if "Attached" paperwork is applicable.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	Report Type Code Code indicating the title or contents of a document, report or supporting item	M ID 2/2
		The business being conducted may require other Report Type Codes, but those listed below are recommended and will cover a large portion of the transactions.	
		12 Mechanical Properties	
		BM Bill of Material	
		CT Certification	
		IT Certified Inspection and Test Results	
		MS Material Safety Data Sheet	
		SI Seller Inventory Report	
PWK02	756	Report Transmission Code Code defining timing, transmission method or format by which reports are to be sent	O ID 2/2
		Required by PIDX	
		The preferred method should always be first in an X12 transaction set, if available, but electronically never the less.	
		AE Electronically After Shipping	
		BM By Mail	

		EL Electronically Only	
		FX By Fax	
PWK03	757	Report Copies Needed The number of copies of a report that should be sent to the addressee.	O NO 1/2
PWK04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
PWK05	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
PWK06	67	Identification Code Code identifying a party or other code.	C AN 2/17
PWK07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
PWK08	704	Paperwork/Report Action Code Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required.	O ID 1/2

FINAL

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 R0204050612**
At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2 C0203
If TD502 is present, then TD503 is required.
3 C0708
If TD507 is present, then TD508 is required.
4 C1011
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: **TD5 Segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, NOT BOTH.**

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
B Origin/Delivery Carrier (Any Mode)			
O Origin Carrier (Air, Motor, or Ocean)			
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
30 American Petroleum Institute Location Code			
6 Plant Code			
7 Dock			
TD503	67	Identification Code Code identifying a party or other code.	C AN 2/17
TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment.	C ID 1/2
A Air			
AE Air Express			

		D Parcel Post			
		E Expedited Truck			
		H Customer Pickup			
		M Motor (Common Carrier)			
		R Rail			
		S Ocean			
		SR Supplier Truck			
		T Best Way (Shippers Option)			
TD505	387	Routing		C AN	1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.			
TD506	368	Shipment/Order Status Code		C ID	2/2
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction.			
TD507	309	Location Qualifier		O ID	1/2
		Code identifying type of location.			
TD508	310	Location Identifier		C AN	1/25
		Code which identifies a specific location.			
TD509	731	Transit Direction Code		O ID	2/2
		The point of origin and point of direction.			
TD510	732	Transit Time Direction Qualifier		O ID	2/2
		Code specifying the value of time used to measure the transit time.			
TD511	733	Transit Time		C R	1/4
		The numeric amount of transit time.			
TD512	284	Service Level Code		C ID	2/2
		Code defining service			

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 R0203**
At least one of N102 or N103 is required.
2 P0304
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	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		BS Bill and Ship To	
		BT Party to be Billed For Other Than Freight(Bill To)	
		SE Selling Party	
		ST Ship To	
N102	93	Name	C AN 1/35
		Free-form name.	
N103	66	Identification Code Qualifier	C ID 1/2
		Code designating the system/method of code structure used for Identification Code (67).	
		Recommended by PIDX	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix DUNS+4 is the API Recommended Practice.	
		91 Assigned by Seller or Seller's Agent	
		92 Assigned by Buyer or Buyer's Agent	
N104	67	Identification Code	C AN 2/17
		Code identifying a party or other code.	
		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 **R0105**
 At least one of N401 or N405 is required.
 2 **P0506**
 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 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency. Code list in: STATES AND OUTLYING AREAS OF THE USA (SD) Catalog No. C52. 13:5-1 Available from: Superintendent of Documents U.S. Government Printing Office Washington, DC 20402 Refer to API Bulletin D12A	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O ID 3/9
N404	26	Country Code Code identifying the country. Code list in: CODES FOR REPRESENTATION OF NAMES OF COUNTRIES (iso-3166-1974 (E)) Available from: American National Standards Institute 1430 Broadway New York, NY 10018 DUNS+4 is the API Recommended Practice. Refer to API Bulletin D12A	O ID 2/3
N405	309	Location Qualifier Code identifying type of location.	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location.	C AN 1/25

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 **P0304**
 If either PER03 or PER04 is present, then the other is required.
 2 **P0506**
 If either PER05 or PER06 is present, then the other 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. BD Buyer Name or Department DC Delivery Contact OC Order Contact SR Sales Representative or Department	M ID 2/2
PER02	93	Name Free-form name. Recommended by PIDX	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number. ED Electronic Data Interchange Access Number ED qualifier is used pending the approval of a new qualifier for Employee Identification Code. EM Electronic Mail FX Facsimile TE Telephone TL Telex	C ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable.	C AN 1/25
PER05	365	Communication Number Qualifier Code identifying the type of communication number.	C ID 2/2
PER06	364	Communication Number Complete communications number including country or area code when applicable.	C AN 1/25

Segment: **POC** Line Item Change
Level: Detail
Loop: POC **Repeat:** 10000
Usage: Optional
Max Use: 1
Purpose: To specify changes to a line item
Syntax: 1 **C030405**
 If POC03 is present, then POC04 and POC05 are required.
 2 **C0706**
 If POC07 is present, then POC06 is required.
 3 **C0809**
 If POC08 is present, then POC09 is required.
 4 **C1011**
 If POC10 is present, then POC11 is required.
 5 **C1213**
 If POC12 is present, then POC13 is required.
 6 **C1415**
 If POC14 is present, then POC15 is required.
 7 **C1617**
 If POC16 is present, then POC17 is required.
 8 **C1819**
 If POC18 is present, then POC19 is required.
 9 **C2021**
 If POC20 is present, then POC21 is required.
 10 **C2223**
 If POC22 is present, then POC23 is required.
 11 **C2425**
 If POC24 is present, then POC25 is required.
 12 **C2627**
 If POC26 is present, then POC27 is required.

Semantic: 1 POC01 is the purchase order line item identification.

Notes: Quantity and price changes are the new value, not incremental value.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
POC01	350	Assigned Identification	O AN 1/11
Alphanumeric characters assigned for differentiation within a transaction set.			
Required by PIDX			
This is the purchase order line number and should correspond to the "Original" purchase order assigned identification number.			

POC02	670	Change or Response Type Code Code specifying the type of change to the line item.	M ID 2/2
Required by PIDX			
POC03	330	Quantity Ordered Quantity ordered.	O R 1/9
Required by PIDX			
POC04	671	Quantity Left to Receive Quantity left to receive as qualified by the unit of measure.	C R 1/9
POC05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2
POC06	212	Unit Price Price per unit of product, service, commodity, etc.	C R 1/14
POC07	639	Basis of Unit Price Code Code identifying the type of unit price for an item.	O ID 2/2
POC08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
Recommended by PIDX			
CB Buyer's Catalog Number			
CG Commodity Grouping The CG qualifier is to be used pending the approval of a new qualifier for Common Codes. WC is the proposed code. This will identify the WORLD CODE (CIMIS Number).			
CQ Equipment Code per COPAS standard			
MG Manufacturer's Part Number			
MN Model Number			
VN Vendor's (Seller's) Item Number			
POC09	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
Recommended by PIDX			
POC10	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
POC11	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
POC12	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
POC13	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
POC14	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
POC15	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
POC16	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
POC17	234	Product/Service ID Identifying number for a product or service.	C AN 1/30

POC18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
POC19	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
POC20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
POC21	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
POC22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
POC23	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
POC24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
POC25	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
POC26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
POC27	234	Product/Service ID Identifying number for a product or service.	C AN	1/30

Segment: **PID** Product/Item Description
Level: Detail
Loop: POC/PID **Repeat:** 1000
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax: **1 C0403**
If PID04 is present, then PID03 is required.
2 R0405
At least one of PID04 or PID05 is required.
3 C0703
If PID07 is present, then PID03 is required.
4 C0803
If PID08 is present, then PID03 is required.
Semantic: **1** Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.
Comments: **A** If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.
B Use PID06 when necessary to refer to the product surface or layer being described in the segment.
C PID07 specifies the individual code list of the agency specified in PID03.
Notes: **Recommended by PIDX**

Data Element Summary

REF. DIS.	DATA ELEMENT	NAME	ATTRIBUTES
PID01	349	Item Description Type Code indicating the format of a description. F Free-form	M ID 1/1
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic. Not Used by PIDX	O ID 2/3
PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values. Not Used by PIDX	C ID 2/2

PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic.	C AN 1/12
Not Used by PIDX			
PID05	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80
Recommended by PIDX			
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			
PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier.	O AN 1/15
Not Used by PIDX			
PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response.	O ID 1/1
Not Used by PIDX			

FINAL

Segment: **PWK** Paperwork
Level: Detail
Loop: POC
Usage: Optional
Max Use: 25
Purpose: To identify the type and transmission of paperwork or supporting information
Syntax: 1 **P0506**
 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.
 C PWK08 may be used to indicate action pertaining to a report.
Notes: **This segment should be used only if "Attached" paperwork is applicable.**
The PWK segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	Report Type Code Code indicating the title or contents of a document, report or supporting item	M ID 2/2
The business being conducted may require other Report Type Codes, but those listed below are recommended and will cover a large portion of the transactions.			
12 Mechanical Properties			
BM Bill of Material			
CT Certification			
IT Certified Inspection and Test Results			
MS Material Safety Data Sheet			
SI Seller Inventory Report			
PWK02	756	Report Transmission Code Code defining timing, transmission method or format by which reports are to be sent	O ID 2/2
Required by PIDX			
The preferred method should always be first in an X12 transaction set, if available, but electronically never the less.			
AE Electronically After Shipping			
BM By Mail			

		EL Electronically Only	
		FX By Fax	
PWK03	757	Report Copies Needed The number of copies of a report that should be sent to the addressee.	O NO 1/2
		Not Used by PIDX	
PWK04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
		Not Used by PIDX	
PWK05	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
		Not Used by PIDX	
PWK06	67	Identification Code Code identifying a party or other code.	C AN 2/17
		Not Used by PIDX	
PWK07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
		Not Used by PIDX	
PWK08	704	Paperwork/Report Action Code Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required.	O ID 1/2
		Not Used by PIDX	

Segment: **PKG** Marking, Packaging, Loading
Level: Detail
Loop: POC
Usage: Optional
Max Use: 200
Purpose: To describe marking, packaging, loading and unloading requirements.
Syntax: 1 **R040506**
 At least one of PKG04, PKG05 or PKG06 is required.
 2 **C0401**
 If PKG04 is present, then PKG01 is required.
 3 **C0501**
 If PKG05 is present, then PKG01 is required.
Semantic: 1 PKG04 should be used for industry-specific packaging description codes.
Comments: A Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.
 B If PKG01 = "F", then PKG05 is used. If PKG01 = "S", then PKG04 is used. If PKG01 = "X", then both PKG04 and PKG05 are used.
 C Use PKG03 to indicate the organization that publishes the code list being referred to.
 D Special marking or tagging data can be given in PKG05 (Description).
Notes: Use only for International Shipments.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PKG01	349	Item Description Type Code indicating the format of a description.	C ID 1/1
		F Free-form	
PKG02	753	Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described.	O ID 1/5
		34 Product Marking	
		35 Type of Package	
		36 Package Specifications	
		68 Skid/Pallet Type	
PKG03	559	Agency Qualifier Code Code identifying the agency assigning the code values.	C ID 2/2
		Not Used by PIDX	

PKG04	754	Packaging Description Code	C AN 1/7
		A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.	
		Not Used by PIDX	
PKG05	352	Description	C AN 1/80
		A free-form description to clarify the related data elements and their content.	
PKG06	400	Unit Load Option Code	O ID 2/2
		Code identifying loading or unloading a shipment	
		Not Used by PIDX	

FINAL

Segment: REF Reference Numbers
Level: Detail
Loop: POC
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax: 1 R0203
 At least one of REF02 or REF03 is required.

Notes: The REF segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both. It may be used at both the Header Level and Detail Level where business issues dictate between trading partners.

This segment is not to be used for additional "Ship To" information.

The REF segment is used for Accounting description and/or codes. If used, at least one of the following qualifiers is required which is provided by the customer: "AE", "CR", "DJ", "LU", or "WN". The direction of PIDX is to move toward the use of a single qualifier ("CR").

This segment should be used when an EDI Purchase Order/Release Number is not issued by the trading partner.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		AE Authorization for Expense (AFE) Number	
		CR Customer Reference Number	
		DJ Delivery Ticket Number	
		LU Location Number	
		WN Well Number	
REF02	127	Reference Number	C 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	C AN 1/80
		A free-form description to clarify the related data elements and their content.	

Segment: **PER** Administrative Communications Contact
Level: Detail
Loop: POC
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax: **1 P0304**
 If either PER03 or PER04 is present, then the other is required.
2 P0506
 If either PER05 or PER06 is present, then the other is required.

Notes: This PER segment in the Detail section should not be used if used in the Header section.

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
		BD Buyer Name or Department	
		DC Delivery Contact	
		OC Order Contact	
		SR Sales Representative or Department	
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.	C ID 2/2
		ED Electronic Data Interchange Access Number ED Qualifier is used pending the approval of a new qualifier for Employee Identification Code.	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
		TL Telex	
PER04	364	Communication Number Complete communications number including country or area code when applicable.	C AN 1/25
PER05	365	Communication Number Qualifier Code identifying the type of communication number.	C ID 2/2
PER06	364	Communication Number Complete communications number including country or area code when applicable.	C AN 1/25

Segment: **SSS** Special Services
Level: Detail
Loop: POC
Usage: Optional
Max Use: 25
Purpose: To specify special conditions or services associated with the purchased product
Comments: **A** SSS02 identifies the source of the code value in SSS03.
B SSS07 (Description) is normally used to clarify/expand on the services to be provided.
C SSS09 specifies the individual code list of the agency specified in SSS02.

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	Agency Qualifier Code Code identifying the agency 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
SSS08	380	Quantity Numeric value of quantity.	O R 1/15
SSS09	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier.	O AN 1/15

Segment: **ITA** Allowance, Charge or Service
Level: Detail
Loop: POC
Usage: Optional
Max Use: 10
Purpose: To specify allowances, charges or services
Syntax: **1 L02031314**
 If ITA02 is present, then at least one of ITA03, ITA13 or ITA14 are required.
2 C0809
 If ITA08 is present, then ITA09 is required.
3 C1011
 If ITA10 is present, then ITA11 is required.
4 C1502
 If ITA15 is present, then ITA02 is required.
Semantic: **1** ITA12 is the quantity of free goods.
Comments: **A** If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
B ITA02 identifies the source of the code value in ITA03 or ITA14.
C If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
D ITA13 is used to clarify the allowance, charge or service.
E ITA15 specifies the individual code list of the agency specified in ITA02.
F ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

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
		A Allowance	
		C Charge	
ITA02	559	Agency Qualifier Code Code identifying the agency assigning the code values.	C ID 2/2
		Required by PIDX	
		AX ANSI Accredited Standards Committee, X12.	
ITA03	560	Special Services Code Code identifying the special service.	C ID 2/10

Not Recommended by PIDX			
ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge.	M ID 2/2
		02 Off Invoice	
		06 Charge to be Paid by Customer	
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.	O R 1/9
ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	O N2 1/9
Required by PIDX			
ITA08	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated.	O 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 or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2
ITA12	380	Quantity Numeric value of quantity.	O R 1/15
ITA13	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80
Recommended by PIDX			
If additional information is available in ITA14, ITA13 should contain that description.			
ITA14	150	Special Charge or Allowance Code Code identifying type of special charge or allowance.	C ID 3/3
Recommended by PIDX			
These are recommended codes. Try to use these codes if possible. If not applicable, any relevant code in Table 150 may be used.			
		400 Freight	
		405 Fuel Surcharge	
		690 Special Handling Service	
		DSC Discount	
		INC Insurance Surcharge	
		LAE One-Time License Fee	
		RAK Royalties	
ITA15	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier.	O AN 1/15

Not Recommended by PIDX

ITA16 662 Price Relationship Code O ID 1/1

Code indicating the relationship of the price or amount to the associated segment.

Not Recommended by PIDX

FINAL

Segment: TAX Tax Reference

Level: Detail

Loop: POC

Usage: Optional

Max Use: 3

Purpose: To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

Syntax: 1 R0103

At least one of TAX01 or TAX03 is required.

2 P0203

If either TAX02 or TAX03 is present, then the other is required.

3 P0405

If either TAX04 or TAX05 is present, then the other is required.

4 P0607

If either TAX06 or TAX07 is present, then the other is required.

5 P0809

If either TAX08 or TAX09 is present, then the other is required.

6 P1011

If either TAX10 or TAX11 is present, then the other 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.

Notes: It is PIDX's recommendation that the TAX segment be provided at the Detail Level to support tax exemptions. However, many systems cannot provide Detail Level TAX segments at this time, therefore, the TAX at the Detail Level is not currently required.

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.	C 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.	C	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.	C	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.	C	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.	C	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

FINAL

Segment: DTM Date/Time Reference
Level: Detail
Loop: POC
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax: 1 R0203
 At least one of DTM02 or DTM03 is required.

Notes: DTM Segment is not commonly used at the Header Level and Detail Level. It is preferred to be used at the Header Level or Detail Level, not both.

Data Element Summary

REF. DIS.	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	
		010 Requested Ship	
		074 Requested for Delivery (Prior to and Including)	
		079 Promised for Shipment	
		150 Service Period Start	
		151 Service Period End	
DTM02	373	Date Date (YYMMDD).	C DT 6/6
		Required by PIDX	
DTM03	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	C TM 4/6
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.	O ID 2/2
DTM05	624	Century The first two characters in the designation of the year (CCYY).	O NO 2/2

Segment: **SCH** Line Item Schedule
Level: Detail
Loop: POC
Usage: Optional
Max Use: 200
Purpose: To specify the data for scheduling a specific line item.
Syntax: 1 **C0304**
 If SCH03 is present, then SCH04 is required.
 2 **C0908**
 If SCH09 is present, then SCH08 is required.
Comments: A SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Notes: Do not use if using a DTM Segment. This segment is ONLY to be used when the line item requires multiple shipping quantities for specific dates.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SCH01	380	Quantity Numeric value of quantity.	M R 1/15
SCH02	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
SCH03	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Not Used by PIDX	O ID 2/2
SCH04	93	Name Free-form name. Not Used by PIDX	C AN 1/35
SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 002 Delivery Requested 010 Requested Ship 074 Requested for Delivery (Prior to and Including) 079 Promised for Shipment 150 Service Period Start 151 Service Period End	M ID 3/3
SCH06	373	Date Date (YYMMDD).	M DT 6/6
SCH07	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O TM 4/6
SCH08	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. Not Used by PIDX	C ID 3/3

SCH09 373 **Date** O DT 6/6
 Date (YYMMDD).
Not Used by PIDX

SCH10 337 **Time** O TM 4/6
 Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)
Not Used by PIDX

SCH11 326 **Request Reference Number** O AN 1/45
 Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number).

FINAL

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Level: Detail
Loop: POC
Usage: Optional
Max Use: 12
Purpose: To specify the carrier, sequence of routing and to provide transit time information
Syntax: 1 **R0204050612**
 At least one of TD502, TD504, TD505, TD506 or TD512 is required.
 2 **C0203**
 If TD502 is present, then TD503 is required.
 3 **C0708**
 If TD507 is present, then TD508 is required.
 4 **C1011**
 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: TD5 Segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, NOT BOTH.

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
		B Origin/Delivery Carrier (Any Mode)	
		O Origin Carrier (Air, Motor, or Ocean)	
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
		30 American Petroleum Institute Location Code	
		6 Plant Code	
		7 Dock	
TD503	67	Identification Code Code identifying a party or other code.	C AN 2/17
TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment.	C ID 1/2
		A Air	
		AE Air Express	

D Parcel Post
E Expedited Truck
H Customer Pickup
M Motor (Common Carrier)
R Rail
S Ocean
SR Supplier Truck
T Best Way (Shippers Option)

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 or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction.	C 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
TD512	284	Service Level Code Code defining service	C ID 2/2

Segment: **N1** Name
Level: Detail
Loop: POC/N1 **Repeat:** 200
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax: **1 R0203**
 At least one of N102 or N103 is required.
2 P0304
 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: **This segment is not for additional "Ship To" information.**
This segment is for the identification of the manufacturer of the item in the POC segment.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual MF Manufacturer of Goods	M ID 2/2
N102	93	Name Free-form name.	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). Not Used by PIDX	C ID 1/2
N104	67	Identification Code Code identifying a party or other code. Not Used by PIDX	C AN 2/17

Segment: **N2** Additional Name Information
Level: Detail
Loop: POC/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: POC/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: POC/N1
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax: 1 R0105
 At least one of N401 or N405 is required.
 2 P0506
 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 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency. Code list in: STATES AND OUTLYING AREAS OF THE USA (SD) Catalog No. C52. 13:5-1 Available from: Superintendent of Documents U.S. Government Printing Office Washington, DC 20402 Code list in: STATES AND OUTLYING AREAS OF THE USA (SD) Catalog No. C52. 13:5-1 Available from: Superintendent of Documents U.S. Government Printing Office Washington, DC 20402 Refer to API Bulletin D12A	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O ID 3/9
N404	26	Country Code Code identifying the country. Code list in: CODES FOR REPRESENTATION OF NAMES OF COUNTRIES (iso-3166-1974 (E))	O ID 2/3

Available from:
American National Standards Institute
1430 Broadway
New York, NY 10018

Refer to API Bulletin D12A

N405	309	Location Qualifier Code identifying type of location.	C	ID	1/2
N406	310	Location Identifier Code which identifies a specific location.	C	AN	1/25

FINAL

Segment: **SLN** Subline Item Detail

Level: Detail

Loop: POC/SLN **Repeat:** 1000

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

- Syntax:**
- 1 **C0706**
If SLN07 is present, then SLN06 is required.
 - 2 **C0806**
If SLN08 is present, then SLN06 is required.
 - 3 **C0910**
If SLN09 is present, then SLN10 is required.
 - 4 **C1112**
If SLN11 is present, then SLN12 is required.
 - 5 **C1314**
If SLN13 is present, then SLN14 is required.
 - 6 **C1516**
If SLN15 is present, then SLN16 is required.
 - 7 **C1718**
If SLN17 is present, then SLN18 is required.
 - 8 **C1920**
If SLN19 is present, then SLN20 is required.
 - 9 **C2122**
If SLN21 is present, then SLN22 is required.
 - 10 **C2324**
If SLN23 is present, then SLN24 is required.
 - 11 **C2526**
If SLN25 is present, then SLN26 is required.
 - 12 **C2728**
If SLN27 is present, then SLN28 is required.

- Semantic:**
- 1 SLN01 is the identifying number for the subline item.
 - 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

- Comments:**
- A See the Data Dictionary for a complete list of ID's.
 - B SLN01 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 SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	M AN 1/11
SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/11
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 1/15
SLN05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	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	Price Relationship Code Code indicating the relationship of the price or amount to the associated segment.	O 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: POC/SLN
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax:
 - 1 C0403**
If PID04 is present, then PID03 is required.
 - 2 R0405**
At least one of PID04 or PID05 is required.
 - 3 C0703**
If PID07 is present, then PID03 is required.
 - 4 C0803**
If PID08 is present, then PID03 is required.**Semantic:**
 - 1** Use PID03 to indicate the organization that publishes the code list being referred to.
 - 2** PID04 should be used for industry-specific product description codes.
 - 3** PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.**Comments:**
 - A** If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.
 - B** Use PID06 when necessary to refer to the product surface or layer being described in the segment.
 - C** PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

REF. DIS.	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 identifying the general class of a product or process characteristic	O ID 2/3
		Not Used by PIDX	
PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values.	C ID 2/2
		Not Used by PIDX	

- PID04 751 Product Description Code** C AN 1/12
A code from an industry code list which provides specific data about a product characteristic.
Not Used by PIDX
- PID05 352 Description** C AN 1/80
A free-form description to clarify the related data elements and their content.
Recommended by PIDX
- PID06 752 Surface/Layer/Position Code** O ID 2/2
Code indicating the product surface, layer or position that is being described.
Not Used by PIDX
- PID07 822 Source Subqualifier** O AN 1/15
A reference that indicates the table or text maintained by the Source Qualifier.
Not Used by PIDX
- PID08 1073 Yes/No Condition or Response Code** O ID 1/1
Code indicating a Yes or No condition or response.
Not Used by PIDX

FINAL

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
Set Notes: 1 Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.
Syntax: 1 **C0304**
 If CTT03 is present, then CTT04 is required.
 2 **C0506**
 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. <u>18.01</u> 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 1/10
Not Used by PIDX			
CTT04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	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 or Basis for Measurement Code** C ID 2/2
 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Not Used by PIDX

CTT07 352 **Description** O AN 1/80
 A free-form description to clarify the related data elements and their content.
Not Used by PIDX

Segment: **AMT** Monetary Amount

Level: Summary

Loop: _____

Usage: Optional

Max Use: 1

Purpose: To indicate the total monetary amount.

Set Notes: 1 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
AMT01	522	Amount Qualifier Code Code to qualify amount	M ID 1/2
		TT Total Transaction Amount	
AMT02	782	Monetary Amount Monetary amount.	M R 1/15

FINAL

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 1/10
SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

FINAL