

# 850 Purchase Order

FUNCTIONAL GROUP ID = **PO**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

## Header

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
5	010	ST	Transaction Set Header	M	1	
6	020	BEG	Beginning Segment for Purchase Order	M	1	
N/U	030	NTE	Note/Special Instruction	F	100	
7	040	CUR	Currency	O	1	
9	050	REF	Reference Numbers	O	12	
N/U	060	PER	Administrative Communications Contact	O	3	
N/U	070	TAX	Tax Reference	O	3	
10	080	FOB	F.O.B. Related Instructions	O	1	
N/U	090	CTP	Pricing Information	O	25	
N/U	100	SSS	Special Services	O	25	
N/U	110	CSH	Header Sale Condition	O	5	
N/U	120	ITA	Allowance, Charge or Service	O	10	
12	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
N/U	140	DIS	Discount Detail	O	20	
N/U	145	INC	Installment Information	O	1	
14	150	DTM	Date/Time Reference	O	10	
N/U	160	LDT	Lead Time	O	12	
N/U	180	LIN	Item Identification	O	5	
N/U	185	SI	Service Characteristic Identification	O	2	
N/U	190	PID	Product/Item Description	O	200	
N/U	200	MEA	Measurements	O	40	
15	210	PWK	Paperwork	O	25	
N/U	220	PKG	Marking, Packaging, Loading	O	200	
N/U	230	TD1	Carrier Details (Quantity and Weight)	O	2	
17	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
N/U	250	TD3	Carrier Details (Equipment)	O	12	
N/U	260	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
N/U	270	MAN	Marks and Numbers	O	10	
N/U	280	CTB	Restrictions/ Conditions	O	5	
<b>LOOP ID - N9</b>						<b>1000</b>
N/U	290	N9	Reference Number	O	1	
N/U	300	MSG	Message Text	O	1000	
<b>LOOP ID - N1</b>						<b>200</b>
19	310	N1	Name	O	1	
20	320	N2	Additional Name Information	O	2	

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21	330	N3	Address Information	O	2
22	340	N4	Geographic Location	O	1
N/U	345	NX2	Real Estate Property ID Component	O	3
N/U	350	REF	Reference Numbers	O	12
23	360	PER	Administrative Communications Contact	O	3
N/U	370	FOB	F.O.B. Related Instructions	O	1
N/U	380	TD1	Carrier Details (Quantity and Weight)	O	2
N/U	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
N/U	400	TD3	Carrier Details (Equipment)	O	12
N/U	410	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5
N/U	420	PKG	Marking, Packaging, Loading	O	200

**Detail**

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
		<b>LOOP ID - PO1</b>				<b>100000</b>
24	010	PO1	Baseline Item Data	M	1	
N/U	018	SI	Service Characteristic Identification	O	5	
N/U	020	CUR	Currency	O	1	
N/U	030	PO3	Additional Item Detail	O	25	
N/U	040	CTP	Pricing Information	O	25	
N/U	049	MEA	Measurements	O	40	
		<b>LOOP ID - PO1/PID</b>				<b>1000</b>
30	050	PID	Product/Item Description	O	1	
N/U	060	MEA	Measurements	O	10	
32	070	PWK	Paperwork	O	25	
34	080	PKG	Marking, Packaging, Loading	O	200	
35	090	PO4	Item Physical Details	O	1	
40	100	REF	Reference Numbers	O	12	
41	110	PER	Administrative Communications Contact	O	3	
42	120	SSS	Special Services	O	25	
43	130	ITA	Allowance, Charge or Service	O	10	
N/U	140	IT8	Conditions of Sale	O	1	
N/U	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
N/U	160	DIS	Discount Detail	O	20	
N/U	165	INC	Installment Information	O	1	
49	170	TAX	Tax Reference	O	3	
N/U	180	FOB	F.O.B. Related Instructions	O	1	
N/U	190	SDQ	Destination Quantity	O	500	
N/U	200	IT3	Additional Item Data	O	5	
51	210	DTM	Date/Time Reference	O	10	
N/U	220	LDT	Lead Time	O	12	
52	230	SCH	Line Item Schedule	O	200	
N/U	235	TC2	Commodity	O	2	
N/U	240	TD1	Carrier Details (Quantity and Weight)	O	1	
53	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
N/U	260	TD3	Carrier Details (Equipment)	O	12	
N/U	270	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	

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N/U	280	MAN	Marks and Numbers	O	10
N/U	290	AMT	Monetary Amount	O	1
<b>LOOP ID - PO1/N9</b>					<b>1000</b>
N/U	330	N9	Reference Number	O	1
N/U	340	MSG	Message Text	O	1000
<b>LOOP ID - PO1/N1</b>					<b>200</b>
55	350	N1	Name	O	1
56	360	N2	Additional Name Information	O	2
57	370	N3	Address Information	O	2
58	380	N4	Geographic Location	O	1
N/U	385	NX2	Real Estate Property ID Component	O	3
N/U	390	REF	Reference Numbers	O	12
N/U	400	PER	Administrative Communications Contact	O	3
N/U	410	FOB	F.O.B. Related Instructions	O	1
N/U	420	TD1	Carrier Details (Quantity and Weight)	O	2
N/U	430	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
N/U	440	TD3	Carrier Details (Equipment)	O	12
N/U	450	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5
N/U	460	PKG	Marking, Packaging, Loading	O	200
<b>LOOP ID - PO1/SLN</b>					<b>1000</b>
59	470	SLN	Subline Item Detail	O	1
N/U	480	SI	Service Characteristic Identification	O	5
62	490	PID	Product/Item Description	O	1000
N/U	500	PO3	Additional Item Detail	O	104
N/U	505	TC2	Commodity	O	2
N/U	510	ITA	Allowance, Charge or Service	O	10
N/U	520	DTM	Date/Time Reference	O	10
<b>LOOP ID - PO1/SLN/N1</b>					<b>10</b>
N/U	530	N1	Name	O	1
N/U	540	N2	Additional Name Information	O	2
N/U	550	N3	Address Information	O	2
N/U	560	N4	Geographic Location	O	1
N/U	570	NX2	Real Estate Property ID Component	O	3
N/U	580	REF	Reference Numbers	O	12
N/U	590	PER	Administrative Communications Contact	O	3

## Summary

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
64	010	CTT	Transaction Totals	M	1	
65	020	AMT	Monetary Amount	O	1	
66	030	SE	Transaction Set Trailer	M	1	

### Transaction Set Notes:

- 1/180** If segment LIN is used, do not use LIN01.
- 2/010** PO102 is required

- 2/230** The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 2/290** If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
- 3/010** The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/020** If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

**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	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set. <b>850</b> X12.1 Purchase Order	<b>M ID 3/3</b>
ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <b>The transaction set control number assigned by the originator is sequentially assigned within each functional group. The same control number appears in the SE segment (SE02) in the Summary Area of the transaction set.</b>	<b>M AN 4/9</b>

**Segment: BEG Beginning Segment for Purchase Order**

**Level:** Header

**Loop:** \_\_\_

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of the purchase order transaction set and transmit identifying numbers and dates.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
BEG01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set.	M ID 2/2
		00 Original "00" is used when this is the first time that the order is given to the supplier.	
		06 Confirmation "06" is used when a verbal or other (non-EDI) purchase order has been given to the supplier.	
		07 Duplicate "07" denotes a true duplicate; no changes have been made to order.	
BEG02	92	<b>Purchase Order Type Code</b> Code specifying the type of Purchase Order.	M ID 2/2
		CF Confirmation	
		EO Emergency Order	
		RL Release or Delivery Order	
		RO Rush Order	
		SA Stand-alone Order	
		SS Supply or Service Order	
BEG03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser.	M AN 1/22
BEG04	328	<b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	O AN 1/30
		<b>RECOMMENDED FOR USE BY PIDX</b>	
		Used when BEG02 = RL	
BEG05	323	<b>Purchase Order Date</b> Date assigned by the purchaser to Purchase Order.	M DT 6/6
BEG06	367	<b>Contract Number</b> Contract number.	O AN 1/30
BEG07	587	<b>Acknowledgment Type</b> Code specifying the type of acknowledgment.	O ID 2/2
		<b>NOT USED BY PIDX</b>	
BEG08	1019	<b>Invoice Type Code</b> Code defining the method by which invoices are to be processed.	O ID 3/3
		INR Invoice Not Required (Such As Evaluated Receipts Settlements)	

**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.

**Notes:** Use the CUR segment ONLY if pricing is not in U.S. Dollars.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
<b>CUR01</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual	<b>M ID 2/2</b>
<b>CUR02</b>	<b>100</b>	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified. <b>See External Code Source 5 in Section III for reference document.</b>	<b>M ID 3/3</b>
<b>CUR03</b>	<b>280</b>	<b>Exchange Rate</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another.	<b>O R 4/6</b>
<b>CUR04</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual <b>NOT USED BY PIDX</b>	<b>O ID 2/2</b>
<b>CUR05</b>	<b>100</b>	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified. <b>NOT USED BY PIDX</b>	<b>O ID 3/3</b>
<b>CUR06</b>	<b>669</b>	<b>Currency Market/Exchange Code</b> Code identifying the market upon which the currency exchange rate is based. <b>NOT USED BY PIDX</b>	<b>O ID 3/3</b>
<b>CUR07</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time. <b>NOT USED BY PIDX</b>	<b>C ID 3/3</b>

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<b>CUR08</b>	<b>373</b>	<b>Date</b> Date (YYMMDD). <b>NOT USED BY PIDX</b>	<b>O</b>	<b>DT</b>	<b>6/6</b>
<b>CUR09</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) <b>NOT USED BY PIDX</b>	<b>O</b>	<b>TM</b>	<b>4/6</b>
<b>CUR10</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time. <b>NOT USED BY PIDX</b>	<b>C</b>	<b>ID</b>	<b>3/3</b>
<b>CUR11</b>	<b>373</b>	<b>Date</b> Date (YYMMDD). <b>NOT USED BY PIDX</b>	<b>O</b>	<b>DT</b>	<b>6/6</b>
<b>CUR12</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) <b>NOT USED BY PIDX</b>	<b>O</b>	<b>TM</b>	<b>4/6</b>
<b>CUR13</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time. <b>NOT USED BY PIDX</b>	<b>C</b>	<b>ID</b>	<b>3/3</b>
<b>CUR14</b>	<b>373</b>	<b>Date</b> Date (YYMMDD). <b>NOT USED BY PIDX</b>	<b>O</b>	<b>DT</b>	<b>6/6</b>
<b>CUR15</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) <b>NOT USED BY PIDX</b>	<b>O</b>	<b>TM</b>	<b>4/6</b>
<b>CUR16</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time. <b>NOT USED BY PIDX</b>	<b>C</b>	<b>ID</b>	<b>3/3</b>
<b>CUR17</b>	<b>373</b>	<b>Date</b> Date (YYMMDD). <b>NOT USED BY PIDX</b>	<b>O</b>	<b>DT</b>	<b>6/6</b>
<b>CUR18</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) <b>NOT USED BY PIDX</b>	<b>O</b>	<b>TM</b>	<b>4/6</b>
<b>CUR19</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time. <b>NOT USED BY PIDX</b>	<b>C</b>	<b>ID</b>	<b>3/3</b>
<b>CUR20</b>	<b>373</b>	<b>Date</b> Date (YYMMDD). <b>NOT USED BY PIDX</b>	<b>O</b>	<b>DT</b>	<b>6/6</b>
<b>CUR21</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) <b>NOT USED BY PIDX</b>	<b>O</b>	<b>TM</b>	<b>4/6</b>

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

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 which is provided by the customer: "AE", "CR", "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.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. <b>19</b> Division Identifier <b>AE</b> Authorization for Expense (AFE) Number <b>CA</b> Cost Allocation Reference <b>CR</b> Customer Reference Number <b>EP</b> Export Permit Number <b>IR</b> Intra Plant Routing <b>IT</b> Internal Customer Number <b>JB</b> Job (Project) Number <b>KT</b> Request for Quotation Reference <b>LU</b> Location Number <b>PA</b> Price Area Number <b>RQ</b> Purchase Requisition No. <b>WN</b> Well Number	<b>M ID 2/2</b>
REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	<b>C AN 1/30</b>
REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	<b>C AN 1/80</b>

**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		
<b>FOB01</b>	<b>146</b>	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges.	<b>M</b>	<b>ID</b>	<b>2/2</b>
		<b>CC</b> Collect			
		<b>CD</b> Collect on Delivery			
		<b>CF</b> Collect, Freight Credited Back to Customer			
		<b>DE</b> Per Contract			
		<b>DF</b> Defined by Buyer and Seller			
		<b>FO</b> FOB Port of Call			
		<b>NC</b> Service Freight, No Charge			
		<b>PB</b> Customer Pick-up/Backhaul			
		<b>PC</b> Prepaid but Charged to Customer			
		<b>PP</b> Prepaid (by Seller)			
		<b>PU</b> Pickup			
		<b>TP</b> Third Party Pay			
<b>FOB02</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location.	<b>C</b>	<b>ID</b>	<b>1/2</b>
		<b>AC</b> City and State			
		<b>CC</b> Country			
		<b>CY</b> County/Parish			
		<b>DE</b> Destination (Shipping)			
		<b>FE</b> Freight Equalization Point			
		<b>OA</b> Origin (After Loading on Equipment)			
		<b>OR</b> Origin (Shipping Point)			
		<b>OV</b> On Vessel (Free On Board [FOB] point)			
		<b>PL</b> Plant			
		<b>WH</b> Warehouse			

ZZ Mutually Defined

<b>FOB03</b>	<b>352</b>	<b>Description</b>	<b>O AN</b>	<b>1/80</b>
		A free-form description to clarify the related data elements and their content.		
<b>FOB04</b>	<b>334</b>	<b>Transportation Terms Qualifier Code</b>	<b>O ID</b>	<b>2/2</b>
		Code identifying the source of the transportation terms.		
<b>NOT RECOMMENDED FOR USE BY PIDX</b>				
<b>FOB05</b>	<b>335</b>	<b>Transportation Terms Code</b>	<b>C ID</b>	<b>3/3</b>
		Code identifying the trade terms which apply to the shipment transportation responsibility.		
<b>NOT RECOMMENDED FOR USE BY PIDX</b>				
<b>FOB06</b>	<b>309</b>	<b>Location Qualifier</b>	<b>C ID</b>	<b>1/2</b>
		Code identifying type of location.		
		<b>DE</b> Destination (Shipping)		
		<b>FE</b> Freight Equalization Point		
		<b>OA</b> Origin (After Loading on Equipment)		
		<b>OR</b> Origin (Shipping Point)		
		<b>OV</b> On Vessel (Free On Board [FOB] point)		
		<b>PL</b> Plant		
		<b>WH</b> Warehouse		
<b>FOB07</b>	<b>352</b>	<b>Description</b>	<b>O AN</b>	<b>1/80</b>
		A free-form description to clarify the related data elements and their content.		
<b>NOT RECOMMENDED FOR USE BY PIDX</b>				
<b>FOB08</b>	<b>54</b>	<b>Risk of Loss Qualifier</b>	<b>O ID</b>	<b>2/2</b>
		Code specifying where responsibility for risk of loss passes.		
<b>NOT RECOMMENDED FOR USE BY PIDX</b>				
<b>FOB09</b>	<b>352</b>	<b>Description</b>	<b>C AN</b>	<b>1/80</b>
		A free-form description to clarify the related data elements and their content.		
<b>NOT RECOMMENDED FOR USE BY PIDX</b>				

**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 is required.

2 **L08040513**

If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.

3 **L091011**

If ITD09 is present, then at least one of ITD10 or ITD11 is 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	<b>Terms Type Code</b> Code identifying type of payment terms.	O	ID	2/2
<b>NOT RECOMMENDED FOR USE BY PIDX</b>					
ITD02	333	<b>Terms Basis Date Code</b> Code identifying the beginning of the terms period.	O	ID	1/2
		2 Delivery Date			
		For ERS (Evaluated Receipt Settlements) functionality			
		3 Invoice Date			
		5 Invoice Receipt Date			
		8 Invoice Transmission Date			
ITD03	338	<b>Terms Discount Percent</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date.	O	R	1/6
<b>RECOMMENDED FOR USE BY PIDX</b>					
ITD04	370	<b>Terms Discount Due Date</b> Date payment is due if discount is to be earned.	C	DT	6/6
<b>NOT RECOMMENDED FOR USE BY PIDX</b>					
ITD05	351	<b>Terms Discount Days Due</b> Number of days in the terms discount period by which payment is due if terms discount is earned.	C	N0	1/3
<b>RECOMMENDED FOR USE BY PIDX</b>					
If ITD03 is sent, ITD05 is required. ITD03 must be greater than zero.					
ITD06	446	<b>Terms Net Due Date</b> Date when total invoice amount becomes due.	O	DT	6/6
<b>NOT RECOMMENDED FOR USE BY PIDX</b>					
ITD07	386	<b>Terms Net Days</b> Number of days until total invoice amount is due (discount not applicable).	O	N0	1/3
ITD08	362	<b>Terms Discount Amount</b> Total amount of terms discount.	O	N2	1/10
<b>NOT RECOMMENDED FOR USE BY PIDX</b>					

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<b>ITD09</b>	<b>388</b>	<b>Terms Deferred Due Date</b> Date deferred payment or percent of invoice payable is due.	<b>O DT 6/6</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>ITD10</b>	<b>389</b>	<b>Deferred Amount Due</b> Deferred amount due for payment.	<b>C N2 1/10</b>
<b>ITD11</b>	<b>342</b>	<b>Percent of Invoice Payable</b> Amount of invoice payable expressed in percent.	<b>C R 1/5</b>
<b>ITD12</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content.	<b>O AN 1/80</b>
<b>ITD10-ITD12 are to be used for any special terms(i.e., Retainage).</b>			
<b>ITD13</b>	<b>765</b>	<b>Day of Month</b> The numeric value of the day of the month between 1 and the maximum day of the month being referenced.	<b>C NO 1/2</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>ITD14</b>	<b>107</b>	<b>Payment Method Code</b> Code identifying type of payment procedures.	<b>O ID 1/1</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>ITD15</b>	<b>954</b>	<b>Percent</b> Percentage expressed as a decimal	<b>O R 1/10</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			

**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:** The DTM segment is not commonly used at both the Header and Detail Level. It is preferred that it be used at the Header and Detail Level, but not both.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
DTM01	374	<b>Date/Time Qualifier</b> 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
DTM02	373	<b>Date</b> Date (YYMMDD).	C	DT	6/6
DTM03	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	C	TM	4/6
DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. <b>See External Code Source 94 in Section III for reference document.</b>	O	ID	2/2
DTM05	624	<b>Century</b> 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:** **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 the Detail Level, but not both.**

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

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	<b>Report Type Code</b> Code indicating the title or contents of a document, report or supporting item <b>12</b> Mechanical Properties <b>BM</b> Bill of Material <b>CT</b> Certification <b>IT</b> Certified Inspection and Test Results <b>MS</b> Material Safety Data Sheet <b>PJ</b> Purchasing Specification <b>SI</b> Seller Inventory Report <b>SP</b> Specification	<b>M ID 2/2</b>
PWK02	756	<b>Report Transmission Code</b> Code defining timing, transmission method or format by which reports are to be sent <b>AE</b> Electronically After Shipping <b>BM</b> By Mail <b>BW</b> Best Way (Sender's Option) <b>EL</b> Electronically Only <b>FX</b> By Fax <b>SN</b> With Ship Notice	<b>O ID 2/2</b>
PWK03	757	<b>Report Copies Needed</b> The number of copies of a report that should be sent to the addressee. <b>NOT RECOMMENDED FOR USE BY PIDX</b>	<b>O NO 1/2</b>
PWK04	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual <b>NOT RECOMMENDED FOR USE BY PIDX</b>	<b>O ID 2/2</b>
PWK05	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67). <b>NOT RECOMMENDED FOR USE BY PIDX</b>	<b>C ID 1/2</b>

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<b>PWK06</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code.	<b>C AN 2/17</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>PWK07</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content.	<b>O AN 1/80</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>PWK08</b>	<b>704</b>	<b>Paperwork/Report Action Code</b> 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.	<b>O ID 1/2</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			

**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:** The TD5 segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or the Detail Level, but not both.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD501	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement. <b>B</b> Origin/Delivery Carrier (Any Mode) <b>O</b> Origin Carrier (Air, Motor, or Ocean)	<b>O ID 1/2</b>
TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67). <b>30</b> American Petroleum Institute Location Code <b>6</b> Plant Code <b>7</b> Dock	<b>C ID 1/2</b>
TD503	67	<b>Identification Code</b> Code identifying a party or other code.	<b>C AN 2/17</b>
TD504	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment. <b>A</b> Air <b>AE</b> Air Express <b>D</b> Parcel Post <b>E</b> Expedited Truck <b>H</b> Customer Pickup <b>L</b> Contract Carrier <b>M</b> Motor (Common Carrier) <b>R</b> Rail <b>S</b> Ocean <b>SR</b> Supplier Truck <b>T</b> Best Way (Shippers Option)	<b>C ID 1/2</b>

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<b>TD505</b>	<b>387</b>	<b>Routing</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	<b>C AN</b>	<b>1/35</b>
<b>TD506</b>	<b>368</b>	<b>Shipment/Order Status Code</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction.	<b>C ID</b>	<b>2/2</b>
<b>TD507</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location.	<b>O ID</b>	<b>1/2</b>
<b>TD508</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location.	<b>C AN</b>	<b>1/25</b>
<b>TD509</b>	<b>731</b>	<b>Transit Direction Code</b> The point of origin and point of direction.	<b>O ID</b>	<b>2/2</b>
<b>TD510</b>	<b>732</b>	<b>Transit Time Direction Qualifier</b> Code specifying the value of time used to measure the transit time.	<b>O ID</b>	<b>2/2</b>
<b>TD511</b>	<b>733</b>	<b>Transit Time</b> The numeric amount of transit time.	<b>C R</b>	<b>1/4</b>
<b>TD512</b>	<b>284</b>	<b>Service Level Code</b> Code defining service	<b>C ID</b>	<b>2/2</b>

**Segment: N1 Name**

**Level:** Header

**Loop:** N1    **Usage:** Optional    **Max Use:** 200

**Usage:** Mandatory

**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.

**Usage Note:** **REQUIRED FOR USE BY PIDX**

**Notes:** **At minimum, "BS", "BT", and "ST" must be used.**

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual <b>16</b> Plant <b>BS</b> Bill and Ship To <b>BT</b> Party to be Billed For Other Than Freight(Bill To) <b>BY</b> Buying Party (Purchaser) <b>FW</b> Forwarder <b>MA</b> Party for whom Item is Ultimately Intended <b>OB</b> Ordered By <b>SE</b> Selling Party <b>SF</b> Ship From <b>SO</b> Sold To If Different From Bill To <b>ST</b> Ship To	<b>M ID 2/2</b>
N102	93	<b>Name</b> Free-form name.	<b>C AN 1/35</b>
N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67). <b>RECOMMENDED FOR USE BY PIDX</b> 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	<b>C ID 1/2</b>
N104	67	<b>Identification Code</b> Code identifying a party or other code. <b>RECOMMENDED FOR USE BY PIDX</b>	<b>C AN 2/17</b>

**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**

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

**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**

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

**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	<b>City Name</b> Free-form text for city name.	C AN 2/30
N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency. <b>See External Code Source 22 in Section III for reference document.</b>  <b>Code list in:</b> <b>STATES AND OUTLYING AREAS OF THE USA</b> <b>(SD) catalog No. C52. 13:5-1</b>  <b>Available from:</b> <b>Superintendent of Documents</b> <b>U.S. Government Printing Office</b> <b>Washington, DC 20402</b>  <b>Refer to API Bulletin D12A for applicable values.</b>  <b>Also refer to Code Source 22 in Appendix A for other applicable code values.</b> <b>If N404 is used, then the use of N401 - N403 is required.</b>	O ID 2/2
N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States). <b>See External Code Source 51 in Section III for reference document.</b>	O ID 3/9
N404	26	<b>Country Code</b> Code identifying the country. <b>See External Code Source 5 in Section III for reference document.</b>  <b>Code list in:</b> <b>CODES FOR REPRESENTATION OF NAMES OF COUNTRIES</b> <b>(ISO 3166-1974 (E))</b>  <b>Available from:</b> <b>American National Standards Institute</b> <b>1430 Broadway</b> <b>New York, NY 10018</b>  <b>Refer to API Bulletin D12A for applicable values.</b>  <b>Also refer to Code Source 22 in Appendix A for other applicable code values.</b> <b>If N404 is used, then the use of N401 - N403 is required.</b>	O ID 2/3
N405	309	<b>Location Qualifier</b> Code identifying type of location.	C ID 1/2
N406	310	<b>Location Identifier</b> 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	<b>Contact Function Code</b>	<b>M ID 2/2</b>
		Code identifying the major duty or responsibility of the person or group named.	
		<b>BD</b> Buyer Name or Department	
		<b>BD is identified as Purchase/Purchasing Agent.</b>	
		<b>DC</b> Delivery Contact	
		<b>OC</b> Order Contact	
		<b>OC is identified as the person who initiated the order.</b>	
		<b>SR</b> Sales Representative or Department	
PER02	93	<b>Name</b>	<b>O AN 1/35</b>
		Free-form name.	
		<b>RECOMMENDED FOR USE BY PIDX</b>	
PER03	365	<b>Communication Number Qualifier</b>	<b>C ID 2/2</b>
		Code identifying the type of communication number.	
		<b>ED</b> Electronic Data Interchange Access Number	
		<b>ED qualifier is used pending the approval of a new code for Employee Identification Code.</b>	
		<b>EM</b> Electronic Mail	
		<b>FX</b> Facsimile	
		<b>TE</b> Telephone	
		<b>TL</b> Telex	
PER04	364	<b>Communication Number</b>	<b>C AN 1/25</b>
		Complete communications number including country or area code when applicable.	
PER05	365	<b>Communication Number Qualifier</b>	<b>C ID 2/2</b>
		Code identifying the type of communication number.	
		<b>See PER03 for applicable code values.</b>	
PER06	364	<b>Communication Number</b>	<b>C AN 1/25</b>
		Complete communications number including country or area code when applicable.	

**Segment: PO1 Baseline Item Data**

**Level:** Detail

**Loop:** PO1      **Usage:** Mandatory      **Max Use:** 100000

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify basic and most frequently used line item data

**Syntax:** 1 **C0302**

If PO103 is present, then PO102 is required.

2 **C0504**

If PO105 is present, then PO104 is required.

3 **C0607**

If PO106 is present, then PO107 is required.

4 **C0809**

If PO108 is present, then PO109 is required.

5 **C1011**

If PO110 is present, then PO111 is required.

6 **C1213**

If PO112 is present, then PO113 is required.

7 **C1415**

If PO114 is present, then PO115 is required.

8 **C1617**

If PO116 is present, then PO117 is required.

9 **C1819**

If PO118 is present, then PO119 is required.

10 **C2021**

If PO120 is present, then PO121 is required.

11 **C2223**

If PO122 is present, then PO123 is required.

12 **C2425**

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	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/11
➤ PO102	330	<b>Quantity Ordered</b> Quantity ordered.	C R 1/9
➤ PO103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  Please note that the following subset of DE 355 code values are the ones commonly used to convey unit of measurement information by the industry. However, the transaction set will not be rejected for non-compliance if other valid DE 355 code values are used from the full ASC X12 3030 Version/Release data element 355.  14 Shot 16 115 Kilogram Drum 18 55 Gallon Drum 1A Car Mile	O ID 2/2

**1I** Fixed Rate  
**1J** Ton Miles  
**23** Grams per Cubic Centimeter  
**28** Kilograms per Square Meter  
**2Z** Millivolts  
**3C** Manmonth  
**43** Super Bulk Bag  
**47** 50 Pound Bag  
**4K** Milliamperes  
**4L** Megabyte  
**59** Parts Per Million  
**68** Ampere  
**70** Volt  
**84** Kilo Pounds Per Square Inch (KSI)  
**85** Foot Pounds  
**86** Joules  
**97** 10 Kilogram Drum  
**A9** Rate  
**AC** Acre  
**AT** Atmosphere  
**B5** Billet  
**BA** Bale  
**BB** Base Box  
**BC** Bucket  
**BD** Bundle  
**BF** Board Feet  
**BG** Bag  
**BI** Bar  
**BL** Block  
**BN** Bulk  
**BO** Bottle  
**BR** Barrel  
**BU** Bushel  
**BX** Box  
**BZ** Million BTU's  
**C7** Centipoise (CPS)  
**C8** Cubic Decimeter  
**CA** Case  
**CB** Carboy  
**CC** Cubic Centimeter  
**CD** Carat  
**CE** Centigrade, Celsius  
**CF** Cubic Feet  
**CH** Container  
**CI** Cubic Inches  
**CL** Cylinder  
**CM** Centimeter  
**CN** Can  
**CP** Crate  
**CQ** Cartridge

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**CR** Cubic Meter  
**CS** Cassette  
**CT** Carton  
**CU** Cup  
**CW** Hundred Pounds (CWT)  
**CX** Coil  
**CY** Cubic Yard  
**DA** Days  
**DD** Degree  
**DF** Dram  
**DH** Miles  
**DM** Decimeter  
**DR** Drum  
**DZ** Dozen  
**EA** Each  
**FA** Fahrenheit  
**FE** Track Foot  
**FP** Pounds per Sq. Ft.  
**FR** Feet Per Minute  
**FT** Foot  
**GA** Gallon  
**GE** Pounds per Gallon  
**GL** Grams per Liter  
**GR** Gram  
**GS** Gross  
**GX** Grain  
**GY** Gross Yard  
**H4** Hectoliter  
**HA** Hank  
**HF** Hundred Feet  
**HH** Hundred Cubic Feet  
**HJ** Horsepower  
**HO** Hundred Troy Ounces  
**HR** Hours  
**HV** Hundred Weight (Short)  
**HW** Hundred Weight (Long)  
**HZ** Hertz  
**IA** Inch Pound  
**IN** Inch  
**JO** Joint  
**JR** Jar  
**JU** Jug  
**K7** Kilowatt  
**KC** Kilograms per Cubic Meter  
**KE** Keg  
**KG** Kilogram  
**KH** Kilowatt Hour  
**KN** Kilometer  
**KP** Kilometers Per Hour  
**KQ** Kilopascal

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**KT** Kit  
**KV** Kelvin  
**LB** Pound  
**LF** Linear Foot  
**LG** Long Ton  
**LN** Length  
**LO** Lot  
**LS** Lump Sum  
**LT** Liter  
**M6** Millibar  
**ME** Milligram  
**MI** Metric  
**MJ** Minutes  
**ML** Milliliter  
**MM** Millimeter  
**MO** Months  
**MP** Metric Ton  
**MR** Meter  
**NB** Barge  
**NL** Load  
**NS** Short Ton  
**NW** Newton  
**OT** Overtime Hours  
**OZ** Ounce - Av  
**P1** Percent  
**PA** Pail  
**PC** Piece  
**PD** Pad  
**PF** Pallet (Lift)  
**PK** Package  
**PL** Pallet/Unit Load  
**PR** Pair  
**PS** Pounds per Sq. Inch  
**PT** Pint  
**QT** Quart  
**R3** Revolutions Per Minute  
**RD** Rod  
**RE** Reel  
**RL** Roll  
**RM** Ream  
**RU** Run  
**S2** Seconds (time)  
**S4** Square Meters per Second  
**SB** Square Mile  
**SF** Square Foot  
**SH** Sheet  
**SI** Square Inch  
**SJ** Sack  
**SM** Square Meter  
**SO** Spool

SR Strip  
ST Set  
SV Skid  
SY Square Yard  
TB Tube  
TC Truckload  
TE Tote  
TG Gross Ton  
TH Thousand  
TK Tank  
TL Thousand Feet (Linear)  
TN Net Ton (2,000 LB).  
TO Troy Ounce  
TQ Thousand Feet  
TS Thousand Square Feet  
UN Unit  
WK Week  
YD Yard  
YR Years

<b>PO104</b>	<b>212</b>	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	<b>C R</b>	<b>1/14</b>
<b>PO105</b>	<b>639</b>	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item.	<b>O ID</b>	<b>2/2</b>
<b>PO106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>

**RECOMMENDED FOR USE 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

See External Code Source 61 in Section III for reference document.

**MG** Manufacturer's Part Number

**MN** Model Number

**UQ** United Nations (UN) Number (Dangerous Goods)

**VN** Vendor's (Seller's) Item Number

<b>PO107</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
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**RECOMMENDED FOR USE BY PIDX**

<b>PO108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
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See PO106 for applicable code values.

<b>PO109</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
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<b>PO110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO111</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>
<b>PO112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO113</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>
<b>PO114</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO115</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>
<b>PO116</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO117</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>
<b>PO118</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO119</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>
<b>PO120</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO121</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>
<b>PO122</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO123</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>
<b>PO124</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID 2/2</b>
<b>See PO106 for applicable code values.</b>			
<b>PO125</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN 1/30</b>

**Segment: PID Product/Item Description**

**Level:** Detail

**Loop:** PO1/PID      **Usage:** Optional      **Max Use:** 1000

**Usage:** Mandatory

**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.

**Usage Note:** RECOMMENDED FOR USE BY PIDX

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
PID01	349	<b>Item Description Type</b> Code indicating the format of a description. F Free-form	M	ID	1/1
PID02	750	<b>Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic	O	ID	2/3
NOT RECOMMENDED FOR USE BY PIDX					
PID03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values.	C	ID	2/2
NOT RECOMMENDED FOR USE BY PIDX					
PID04	751	<b>Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic. See External Code Source 38 in Section III for reference document. See External Code Source 113 in Section III for reference document. See External Code Source 46 in Section III for reference document.	C	AN	1/12
NOT RECOMMENDED FOR USE BY PIDX					
PID05	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	C	AN	1/80
RECOMMENDED FOR USE BY PIDX					
PID06	752	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described.	O	ID	2/2
NOT RECOMMENDED FOR USE BY PIDX					

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<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN</b>	<b>1/15</b>
		A reference that indicates the table or text maintained by the Source Qualifier.		
<b>NOT RECOMMENDED FOR USE BY PIDX</b>				
<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID</b>	<b>1/1</b>
		Code indicating a Yes or No condition or response.		
<b>NOT RECOMMENDED FOR USE BY PIDX</b>				

**Segment: PWK Paperwork**

**Level:** Detail

**Loop:** PO1

**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:**

**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.**

**The PWK segment should be used ONLY if "attached" paperwork is applicable.**

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	<b>Report Type Code</b>	<b>M ID 2/2</b>
		Code indicating the title or contents of a document, report or supporting item	
		<b>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.</b>	
		12 Mechanical Properties	
		<b>BM</b> Bill of Material	
		<b>CT</b> Certification	
		<b>IT</b> Certified Inspection and Test Results	
		<b>MS</b> Material Safety Data Sheet	
		<b>PJ</b> Purchasing Specification	
		<b>SI</b> Seller Inventory Report	
		<b>SP</b> Specification	
PWK02	756	<b>Report Transmission Code</b>	<b>O ID 2/2</b>
		Code defining timing, transmission method or format by which reports are to be sent	
		<b>The preferred method should be first in a X12 transaction set, if available, but electronically never the less.</b>	
		<b>AE</b> Electronically After Shipping	
		<b>BM</b> By Mail	
		<b>BW</b> Best Way (Sender's Option)	
		<b>EL</b> Electronically Only	
		<b>FX</b> By Fax	
		<b>SN</b> With Ship Notice	
PWK03	757	<b>Report Copies Needed</b>	<b>O NO 1/2</b>
		The number of copies of a report that should be sent to the addressee.	
		<b>NOT RECOMMENDED FOR USE BY PIDX</b>	

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<b>PWK04</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual	<b>O ID 2/2</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>PWK05</b>	<b>66</b>	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67).	<b>C ID 1/2</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>PWK06</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code.	<b>C AN 2/17</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>PWK07</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content.	<b>O AN 1/80</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
<b>PWK08</b>	<b>704</b>	<b>Paperwork/Report Action Code</b> 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.	<b>O ID 1/2</b>
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			

**Segment: PKG Marking, Packaging, Loading**

**Level:** Detail

**Loop:** PO1

**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:** For use in international shipments ONLY.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PKG01	349	<b>Item Description Type</b> Code indicating the format of a description. F Free-form	C ID 1/1
PKG02	753	<b>Packaging Characteristic Code</b> Code specifying the marking, packaging, loading and related characteristics being described. 34 Product Marking 35 Type of Package 36 Package Specifications 68 Skid/Pallet Type	O ID 1/5
PKG03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values.	C ID 2/2
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
PKG04	754	<b>Packaging Description Code</b> A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product. See External Code Source 39 in Section III for reference document.	C AN 1/7
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
PKG05	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	C AN 1/80
PKG06	400	<b>Unit Load Option Code</b> Code identifying loading or unloading a shipment	O ID 2/2
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			

**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 C0203**  
If PO402 is present, then PO403 is required.
  - 2 C0506**  
If PO405 is present, then PO406 is required.
  - 3 C0607**  
If PO406 is present, then PO407 is required.
  - 4 P0809**  
If either PO408 or PO409 is present, then the other is required.
  - 5 C1013**  
If PO410 is present, then PO413 is required.
  - 6 C1113**  
If PO411 is present, then PO413 is required.
  - 7 C1213**  
If PO412 is present, then PO413 is required.
  - 8 L13101112**  
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** PO413 defines the unit of measure for PO410, PO411, and PO412.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PO401	356	<b>Pack</b> Number of inner pack units per outer pack unit.	O NO 1/6
PO402	357	<b>Size</b> Size of supplier units in pack.	O R 1/8
PO403	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2

**Please note that the following subset of DE 355 code values are the ones commonly used to convey unit of measurement information by the industry. However, the transaction set will not be rejected for non-compliance if other valid DE 355 code values are used from the full ASC X12 3030 Version/Release data element 355.**

- 43 Super Bulk Bag
- 47 50 Pound Bag
- 4K Milliampere
- 4L Megabyte
- 59 Parts Per Million
- 68 Ampere
- 70 Volt
- 84 Kilo Pounds Per Square Inch (KSI)
- 85 Foot Pounds

**86** Joules  
**97** 10 Kilogram Drum  
**A9** Rate  
**AC** Acre  
**AT** Atmosphere  
**B5** Billet  
**BA** Bale  
**BB** Base Box  
**BC** Bucket  
**BD** Bundle  
**BF** Board Feet  
**BG** Bag  
**BI** Bar  
**BL** Block  
**BN** Bulk  
**BO** Bottle  
**BR** Barrel  
**BU** Bushel  
**BX** Box  
**BZ** Million BTU's  
**C7** Centipoise (CPS)  
**C8** Cubic Decimeter  
**CA** Case  
**CB** Carboy  
**CC** Cubic Centimeter  
**CD** Carat  
**CE** Centigrade, Celsius  
**CF** Cubic Feet  
**CH** Container  
**CI** Cubic Inches  
**CL** Cylinder  
**CM** Centimeter  
**CN** Can  
**CP** Crate  
**CQ** Cartridge  
**CR** Cubic Meter  
**CS** Cassette  
**CT** Carton  
**CU** Cup  
**CW** Hundred Pounds (CWT)  
**CX** Coil  
**CY** Cubic Yard  
**DA** Days  
**DD** Degree  
**DF** Dram  
**DH** Miles  
**DM** Decimeter  
**DR** Drum  
**DZ** Dozen  
**EA** Each

**FA** Fahrenheit  
**FE** Track Foot  
**FP** Pounds per Sq. Ft.  
**FR** Feet Per Minute  
**FT** Foot  
**GA** Gallon  
**GE** Pounds per Gallon  
**GL** Grams per Liter  
**GR** Gram  
**GS** Gross  
**GX** Grain  
**GY** Gross Yard  
**H4** Hectoliter  
**HA** Hank  
**HF** Hundred Feet  
**HH** Hundred Cubic Feet  
**HJ** Horsepower  
**HO** Hundred Troy Ounces  
**HR** Hours  
**HV** Hundred Weight (Short)  
**HW** Hundred Weight (Long)  
**HZ** Hertz  
**IA** Inch Pound  
**IN** Inch  
**JO** Joint  
**JR** Jar  
**JU** Jug  
**K7** Kilowatt  
**KC** Kilograms per Cubic Meter  
**KE** Keg  
**KG** Kilogram  
**KH** Kilowatt Hour  
**KN** Kilometer  
**KP** Kilometers Per Hour  
**KQ** Kilopascal  
**KT** Kit  
**KV** Kelvin  
**LB** Pound  
**LF** Linear Foot  
**LG** Long Ton  
**LN** Length  
**LO** Lot  
**LS** Lump Sum  
**LT** Liter  
**M6** Millibar  
**ME** Milligram  
**MI** Metric  
**MJ** Minutes  
**ML** Milliliter  
**MM** Millimeter

**MO** Months  
**MP** Metric Ton  
**MR** Meter  
**NB** Barge  
**NL** Load  
**NS** Short Ton  
**NW** Newton  
**OT** Overtime Hours  
**OZ** Ounce - Av  
**P1** Percent  
**PA** Pail  
**PC** Piece  
**PD** Pad  
**PF** Pallet (Lift)  
**PK** Package  
**PL** Pallet/Unit Load  
**PR** Pair  
**PS** Pounds per Sq. Inch  
**PT** Pint  
**QT** Quart  
**R3** Revolutions Per Minute  
**RD** Rod  
**RE** Reel  
**RL** Roll  
**RM** Ream  
**RU** Run  
**S2** Seconds (time)  
**S4** Square Meters per Second  
**SB** Square Mile  
**SF** Square Foot  
**SH** Sheet  
**SI** Square Inch  
**SJ** Sack  
**SM** Square Meter  
**SO** Spool  
**SR** Strip  
**ST** Set  
**SV** Skid  
**SY** Square Yard  
**TB** Tube  
**TC** Truckload  
**TE** Tote  
**TG** Gross Ton  
**TH** Thousand  
**TK** Tank  
**TL** Thousand Feet (Linear)  
**TN** Net Ton (2,000 LB).  
**TO** Troy Ounce  
**TQ** Thousand Feet  
**TS** Thousand Square Feet

		<b>UN</b> Unit			
		<b>WK</b> Week			
		<b>YD</b> Yard			
		<b>YR</b> Years			
<b>PO404</b>	<b>103</b>	<b>Packaging Code</b>		<b>O AN</b>	<b>5/5</b>
		Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.			
<b>PO405</b>	<b>187</b>	<b>Weight Qualifier</b>		<b>O ID</b>	<b>1/2</b>
		Code defining the type of weight.			
<b>PO406</b>	<b>384</b>	<b>Gross Weight per Pack</b>		<b>C R</b>	<b>1/9</b>
		Numeric value of gross weight per pack.			
<b>PO407</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>C ID</b>	<b>2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		<b>See PO403 for applicable code values.</b>			
<b>PO408</b>	<b>385</b>	<b>Gross Volume per Pack</b>		<b>C R</b>	<b>1/9</b>
		Numeric value of gross volume per pack.			
<b>PO409</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>C ID</b>	<b>2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		<b>See PO403 for applicable code values.</b>			
<b>PO410</b>	<b>82</b>	<b>Length</b>		<b>O R</b>	<b>1/8</b>
		Largest horizontal dimension of an object measured when the object is in the upright position.			
<b>PO411</b>	<b>189</b>	<b>Width</b>		<b>O R</b>	<b>1/8</b>
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position.			
<b>PO412</b>	<b>65</b>	<b>Height</b>		<b>O R</b>	<b>1/8</b>
		Vertical dimension of an object measured when the object is in the upright position.			
<b>PO413</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>C ID</b>	<b>2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		<b>See PO403 for applicable code values.</b>			

**Segment: REF Reference Numbers**

**Level:** Detail

**Loop:** PO1

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying numbers.

**Syntax:** 1 **R0203**

At least one of REF02 or REF03 is required.

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

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 which is provided by the customer: "AE", "CR", "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.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number.	<b>M ID 2/2</b>
		<b>43</b> Supporting Document Number	
		<b>AE</b> Authorization for Expense (AFE) Number	
		<b>CA</b> Cost Allocation Reference	
		<b>CH</b> Customer catalog number	
		<b>CR</b> Customer Reference Number	
		<b>DG</b> Drawing Number	
		<b>EP</b> Export Permit Number	
		<b>IR</b> Intra Plant Routing	
		<b>IT</b> Internal Customer Number	
		<b>JB</b> Job (Project) Number	
		<b>LT</b> Lot Number	
		<b>LU</b> Location Number	
		<b>PZ</b> Product Change Notice Number	
		<b>R1</b> Current Revision Number	
		<b>S1</b> Engineering Specification Number	
		<b>S2</b> Military Specification Number (MILSPEC)	
		<b>WN</b> Well Number	
REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	<b>C AN 1/30</b>
REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	<b>C AN 1/80</b>

**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 **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:** The PER segment at the Detail Level should not be used if the PER segment at the Header Level has been used.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named. <b>BD</b> Buyer Name or Department <b>DC</b> Delivery Contact <b>OC</b> Order Contact <b>SR</b> Sales Representative or Department	<b>M ID 2/2</b>
PER02	93	<b>Name</b> Free-form name.	<b>O AN 1/35</b>
<b>RECOMMENDED FOR USE BY PIDX</b>			
PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number. <b>ED</b> Electronic Data Interchange Access Number <b>ED qualifier is used pending the approval of a new code for Employee Identification Code.</b> <b>EM</b> Electronic Mail <b>FX</b> Facsimile <b>TE</b> Telephone <b>TL</b> Telex	<b>C ID 2/2</b>
PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable.	<b>C AN 1/25</b>
PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number. <b>See PER03 for applicable code values.</b>	<b>C ID 2/2</b>
PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable.	<b>C AN 1/25</b>

**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** 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	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified.	M	ID	1/1
SSS02	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values.	M	ID	2/2
SSS03	560	<b>Special Services Code</b> Code identifying the special service.	M	ID	2/10
SSS04	561	<b>Service Marks and Numbers</b> Data used to identify the performance of the service specified by Special Services Code (560).	O	AN	1/45
SSS05	359	<b>Allowance or Charge Rate</b> Allowance or Charge Rate per Unit.	O	R	1/9
SSS06	360	<b>Allowance or Charge Total Amount</b> Total dollar amount for the allowance or charge.	O	N2	1/9
SSS07	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80
SSS08	380	<b>Quantity</b> Numeric value of quantity.	O	R	1/15
SSS09	822	<b>Source Subqualifier</b> 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:** PO1  
**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 is 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	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified. A Allowance C Charge	M ID 1/1
▶ ITA02	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values. AX ANSI Accredited Standards Committee, X12.	C ID 2/2
ITA03	560	<b>Special Services Code</b> Code identifying the special service. <b>NOT RECOMMENDED FOR USE BY PIDX</b>	C ID 2/10
ITA04	331	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge. 02 Off Invoice 06 Charge to be Paid by Customer	M ID 2/2
ITA05	341	<b>Allowance or Charge Number</b> The number assigned by a vendor referencing an allowance, promotion, deal or charge.	O AN 1/16
ITA06	359	<b>Allowance or Charge Rate</b> Allowance or Charge Rate per Unit.	O R 1/9
▶ ITA07	360	<b>Allowance or Charge Total Amount</b> Total dollar amount for the allowance or charge.	O N2 1/9
ITA08	378	<b>Allowance/ Charge Percent Qualifier</b> Code indicating on what basis allowance or charge percent is calculated.	O ID 1/1
ITA09	332	<b>Allowance or Charge Percent</b> Allowance or charge expressed as a percent.	C R 1/6

<b>ITA10</b>	<b>339</b>	<b>Allowance or Charge Quantity</b>	<b>O R 1/10</b>
		Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity.	
<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>C ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<b>43</b> Super Bulk Bag	
		<b>47</b> 50 Pound Bag	
		<b>4K</b> Milliamperes	
		<b>4L</b> Megabyte	
		<b>59</b> Parts Per Million	
		<b>68</b> Ampere	
		<b>70</b> Volt	
		<b>84</b> Kilo Pounds Per Square Inch (KSI)	
		<b>85</b> Foot Pounds	
		<b>86</b> Joules	
		<b>97</b> 10 Kilogram Drum	
		<b>A9</b> Rate	
		<b>AC</b> Acre	
		<b>AT</b> Atmosphere	
		<b>B5</b> Billet	
		<b>BA</b> Bale	
		<b>BB</b> Base Box	
		<b>BC</b> Bucket	
		<b>BD</b> Bundle	
		<b>BF</b> Board Feet	
		<b>BG</b> Bag	
		<b>BI</b> Bar	
		<b>BL</b> Block	
		<b>BN</b> Bulk	
		<b>BO</b> Bottle	
		<b>BR</b> Barrel	
		<b>BU</b> Bushel	
		<b>BX</b> Box	
		<b>BZ</b> Million BTU's	
		<b>C7</b> Centipoise (CPS)	
		<b>C8</b> Cubic Decimeter	
		<b>CA</b> Case	
		<b>CB</b> Carboy	
		<b>CC</b> Cubic Centimeter	
		<b>CD</b> Carat	
		<b>CE</b> Centigrade, Celsius	
		<b>CF</b> Cubic Feet	
		<b>CH</b> Container	
		<b>CI</b> Cubic Inches	
		<b>CL</b> Cylinder	
		<b>CM</b> Centimeter	
		<b>CN</b> Can	
		<b>CP</b> Crate	
		<b>CQ</b> Cartridge	
		<b>CR</b> Cubic Meter	

**CS** Cassette  
**CT** Carton  
**CU** Cup  
**CW** Hundred Pounds (CWT)  
**CX** Coil  
**CY** Cubic Yard  
**DA** Days  
**DD** Degree  
**DF** Dram  
**DH** Miles  
**DM** Decimeter  
**DR** Drum  
**DZ** Dozen  
**EA** Each  
**FA** Fahrenheit  
**FE** Track Foot  
**FP** Pounds per Sq. Ft.  
**FR** Feet Per Minute  
**FT** Foot  
**GA** Gallon  
**GE** Pounds per Gallon  
**GL** Grams per Liter  
**GR** Gram  
**GS** Gross  
**GX** Grain  
**GY** Gross Yard  
**H4** Hectoliter  
**HA** Hank  
**HF** Hundred Feet  
**HH** Hundred Cubic Feet  
**HJ** Horsepower  
**HO** Hundred Troy Ounces  
**HR** Hours  
**HV** Hundred Weight (Short)  
**HW** Hundred Weight (Long)  
**HZ** Hertz  
**IA** Inch Pound  
**IN** Inch  
**JO** Joint  
**JR** Jar  
**JU** Jug  
**K7** Kilowatt  
**KC** Kilograms per Cubic Meter  
**KE** Keg  
**KG** Kilogram  
**KH** Kilowatt Hour  
**KN** Kilometer  
**KP** Kilometers Per Hour  
**KQ** Kilopascal  
**KT** Kit

**KV** Kelvin  
**LB** Pound  
**LF** Linear Foot  
**LG** Long Ton  
**LN** Length  
**LO** Lot  
**LS** Lump Sum  
**LT** Liter  
**M6** Millibar  
**ME** Milligram  
**MI** Metric  
**MJ** Minutes  
**ML** Milliliter  
**MM** Millimeter  
**MO** Months  
**MP** Metric Ton  
**MR** Meter  
**NB** Barge  
**NL** Load  
**NS** Short Ton  
**NW** Newton  
**OT** Overtime Hours  
**OZ** Ounce - Av  
**P1** Percent  
**PA** Pail  
**PC** Piece  
**PD** Pad  
**PF** Pallet (Lift)  
**PK** Package  
**PL** Pallet/Unit Load  
**PR** Pair  
**PS** Pounds per Sq. Inch  
**PT** Pint  
**QT** Quart  
**R3** Revolutions Per Minute  
**RD** Rod  
**RE** Reel  
**RL** Roll  
**RM** Ream  
**RU** Run  
**S2** Seconds (time)  
**S4** Square Meters per Second  
**SB** Square Mile  
**SF** Square Foot  
**SH** Sheet  
**SI** Square Inch  
**SJ** Sack  
**SM** Square Meter  
**SO** Spool  
**SR** Strip

**ST** Set  
**SV** Skid  
**SY** Square Yard  
**TB** Tube  
**TC** Truckload  
**TE** Tote  
**TG** Gross Ton  
**TH** Thousand  
**TK** Tank  
**TL** Thousand Feet (Linear)  
**TN** Net Ton (2,000 LB).  
**TO** Troy Ounce  
**TQ** Thousand Feet  
**TS** Thousand Square Feet  
**UN** Unit  
**WK** Week  
**YD** Yard  
**YR** Years

**ITA12 380 Quantity** **O R 1/15**  
 Numeric value of quantity.

**ITA13 352 Description** **C AN 1/80**  
 A free-form description to clarify the related data elements and their content.

**RECOMMENDED FOR USE BY PIDX**

If additional information is available in ITA14, ITA13 should contain the description.

**ITA14 150 Special Charge or Allowance Code** **C ID 3/3**  
 Code identifying type of special charge or allowance.

**RECOMMENDED FOR USE BY PIDX**

These are recommended codes. Try to use these codes if possible. If not applicable, any relevant code value contained in data element 150 may be used.

- 400** Freight
- 405** Fuel Surcharge
- 690** Special Handling Service
- DSC** Discount
- EEH** Engineering Charge
- FFR** Flat Rate
- IIA** Invoice Adjustment
- INC** Insurance Surcharge
- LAE** One-Time License Fee
- MSG** Miscellaneous Charge
- PAB** Postage Charge
- RAK** Royalties
- TRC** Trailer Rental Charge
- TTB** Transportation-Direct Billing
- TTV** Transportation - Vendor Provided

**ITA15 822 Source Subqualifier** **O AN 1/15**  
 A reference that indicates the table or text maintained by the Source Qualifier.

**NOT RECOMMENDED FOR USE 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 FOR USE BY PIDX**

**Segment: TAX Tax Reference**

**Level:** Detail

**Loop:** PO1

**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	<b>Tax Identification Number</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.), often called a tax exemption number or certificate number.	C AN 1/20
TAX02	309	<b>Location Qualifier</b> Code identifying type of location. AC City and State CO County/Parish and State CY County/Parish SP State/Province	C ID 1/2
TAX03	310	<b>Location Identifier</b> Code which identifies a specific location.	C AN 1/25
TAX04	309	<b>Location Qualifier</b> Code identifying type of location. <b>See TAX02 for applicable code values.</b>	C ID 1/2
TAX05	310	<b>Location Identifier</b> Code which identifies a specific location.	C AN 1/25
TAX06	309	<b>Location Qualifier</b> Code identifying type of location. <b>See TAX02 for applicable code values.</b>	C ID 1/2
TAX07	310	<b>Location Identifier</b> Code which identifies a specific location.	C AN 1/25

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<b>TAX08</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location.	<b>C</b>	<b>ID</b>	<b>1/2</b>
<b>See TAX02 for applicable code values.</b>					
<b>TAX09</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location.	<b>C</b>	<b>AN</b>	<b>1/25</b>
<b>TAX10</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location.	<b>C</b>	<b>ID</b>	<b>1/2</b>
<b>See TAX02 for applicable code values.</b>					
<b>TAX11</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location.	<b>C</b>	<b>AN</b>	<b>1/25</b>
<b>TAX12</b>	<b>441</b>	<b>Tax Exempt Code</b> Code identifying exemption status from sales and use tax.	<b>O</b>	<b>ID</b>	<b>1/1</b>
		1 Yes (Tax Exempt)			
<b>For offshore water properties use the code value of 1.</b>					
		2 No (Not Tax Exempt)			
		7 Direct Pay ID			

**Segment: DTM** Date/Time Reference

**Level:** Detail

**Loop:** PO1

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax:** 1 R0203

At least one of DTM02 or DTM03 is required.

**Usage Note:** RECOMMENDED FOR USE BY PIDX

**Notes:** The DTM segment is not commonly used at both the Header and Detail Level. It is preferred that it be used at the Header and Detail Level, but not both.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
DTM01	374	<b>Date/Time Qualifier</b> 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
DTM02	373	<b>Date</b> Date (YYMMDD).	C DT 6/6
DTM03	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	C TM 4/6
DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. <b>See External Code Source 94 in Section III for reference document.</b>	O ID 2/2
DTM05	624	<b>Century</b> The first two characters in the designation of the year (CCYY).	O NO 2/2



**Segment: SCH Line Item Schedule**

**Level:** Detail

**Loop:** PO1

**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 the DTM segment. This segment is ONLY to be used when the line item(s) requires multiple shipping quantities for specific dates.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
SCH01	380	<b>Quantity</b> Numeric value of quantity.	M	R	1/15
SCH02	355	<b>Unit or Basis for Measurement Code</b> 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	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual	O	ID	2/2
<b>NOT USED BY PIDX</b>					
SCH04	93	<b>Name</b> Free-form name.	C	AN	1/35
<b>NOT USED BY PIDX</b>					
SCH05	374	<b>Date/Time Qualifier</b> 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	<b>Date</b> Date (YYMMDD).	M	DT	6/6
SCH07	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6
SCH08	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time.	C	ID	3/3
<b>NOT USED BY PIDX</b>					
SCH09	373	<b>Date</b> Date (YYMMDD).	O	DT	6/6
<b>NOT USED BY PIDX</b>					
SCH10	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6
<b>NOT USED BY PIDX</b>					
SCH11	326	<b>Request Reference Number</b> Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number).	O	AN	1/45

**Segment: 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 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:** The 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, but not both.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TD501	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement. <b>B</b> Origin/Delivery Carrier (Any Mode) <b>O</b> Origin Carrier (Air, Motor, or Ocean)	<b>O ID 1/2</b>
TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67). <b>30</b> American Petroleum Institute Location Code <b>6</b> Plant Code <b>7</b> Dock	<b>C ID 1/2</b>
TD503	67	<b>Identification Code</b> Code identifying a party or other code.	<b>C AN 2/17</b>
TD504	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment. <b>A</b> Air <b>AE</b> Air Express <b>D</b> Parcel Post <b>E</b> Expedited Truck <b>H</b> Customer Pickup <b>L</b> Contract Carrier <b>M</b> Motor (Common Carrier) <b>R</b> Rail <b>S</b> Ocean <b>SR</b> Supplier Truck <b>T</b> Best Way (Shippers Option) <b>U</b> Private Parcel Service	<b>C ID 1/2</b>

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<b>TD505</b>	<b>387</b>	<b>Routing</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	<b>C AN</b>	<b>1/35</b>
<b>TD506</b>	<b>368</b>	<b>Shipment/Order Status Code</b> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction.	<b>C ID</b>	<b>2/2</b>
<b>TD507</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location.	<b>O ID</b>	<b>1/2</b>
<b>TD508</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location.	<b>C AN</b>	<b>1/25</b>
<b>TD509</b>	<b>731</b>	<b>Transit Direction Code</b> The point of origin and point of direction.	<b>O ID</b>	<b>2/2</b>
<b>TD510</b>	<b>732</b>	<b>Transit Time Direction Qualifier</b> Code specifying the value of time used to measure the transit time.	<b>O ID</b>	<b>2/2</b>
<b>TD511</b>	<b>733</b>	<b>Transit Time</b> The numeric amount of transit time.	<b>C R</b>	<b>1/4</b>
<b>TD512</b>	<b>284</b>	<b>Service Level Code</b> Code defining service	<b>C ID</b>	<b>2/2</b>

**Segment: N1 Name**

**Level:** Detail

**Loop:** PO1/N1    **Usage:** Optional    **Max Use:** 200

**Usage:** Mandatory

**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 for the identification of the manufacturer of the item in the PO1 segment.

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

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual <b>BT</b> Party to be Billed For Other Than Freight(Bill To) <b>MF</b> Manufacturer of Goods <b>SF</b> Ship From <b>ST</b> Ship To	<b>M ID 2/2</b>
N102	93	<b>Name</b> Free-form name.	<b>C AN 1/35</b>
N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67). <b>NOT RECOMMENDED FOR USE BY PIDX</b>	<b>C ID 1/2</b>
N104	67	<b>Identification Code</b> Code identifying a party or other code. <b>NOT RECOMMENDED FOR USE BY PIDX</b>	<b>C AN 2/17</b>

**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
<b>N201</b>	<b>93</b>	<b>Name</b> Free-form name.	<b>M AN 1/35</b>
<b>N202</b>	<b>93</b>	<b>Name</b> Free-form name.	<b>O AN 1/35</b>

**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**

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

**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 **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	<b>City Name</b> Free-form text for city name.	C AN 2/30
N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency. <b>See External Code Source 22 in Section III for reference document.</b>  <b>Code list in:</b> <b>STATES AND OUTLYING AREAS OF THE USA</b> <b>(SD) catalog No. C52. 13:5-1</b>  <b>Available from:</b> <b>Superintendent of Documents</b> <b>U.S. Government Printing Office</b> <b>Washington, DC 20402</b>  <b>Refer to API Bulletin D12A for applicable values.</b>  <b>Also refer to Code Source 22 in Appendix A for other applicable code values.</b> <b>If N404 is used, then the use of N401 - N403 is required.</b>	O ID 2/2
N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States). <b>See External Code Source 51 in Section III for reference document.</b>	O ID 3/9
N404	26	<b>Country Code</b> Code identifying the country. <b>See External Code Source 5 in Section III for reference document.</b>  <b>Refer to API Bulletin D12A for applicable values.</b>  <b>Also refer to Code Source 22 in Appendix A for other applicable code values.</b> <b>If N404 is used, then the use of N401 - N403 is required.</b>	O ID 2/3
N405	309	<b>Location Qualifier</b> Code identifying type of location.	C ID 1/2
N406	310	<b>Location Identifier</b> Code which identifies a specific location.	C AN 1/25

**Segment: SLN Subline Item Detail**

**Level:** Detail

**Loop:** PO1/SLN      **Usage:** Optional      **Max Use:** 1000

**Usage:** Mandatory

**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	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set.	M	AN	1/11
SLN02	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11
SLN03	661	<b>Configuration Code</b> Code indicating the relationship of the subline item to the baseline item.	M	ID	1/1
SLN04	380	<b>Quantity</b> Numeric value of quantity.	M	R	1/15
SLN05	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2

**A PIDX CONVENTION FOR  
ELECTRONIC DATA INTERCHANGE**

<b>SLN06</b>	<b>212</b>	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	<b>C R</b>	<b>1/14</b>
<b>SLN07</b>	<b>639</b>	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item.	<b>O ID</b>	<b>2/2</b>
<b>SLN08</b>	<b>662</b>	<b>Price Relationship Code</b> Code indicating the relationship of the price or amount to the associated segment.	<b>O ID</b>	<b>1/1</b>
<b>SLN09</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN10</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN11</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN12</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN13</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN14</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN15</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN16</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN17</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN18</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN19</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN20</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN21</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN22</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN23</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN24</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN25</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>
<b>SLN26</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service.	<b>C AN</b>	<b>1/30</b>
<b>SLN27</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	<b>O ID</b>	<b>2/2</b>

**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 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. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
PID01	349	<b>Item Description Type</b> Code indicating the format of a description. F Free-form	M	ID	1/1
PID02	750	<b>Product/Process Characteristic Code</b> Code identifying the general class of a product or process characteristic <b>NOT USED BY PIDX</b>	O	ID	2/3
PID03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values. <b>NOT USED BY PIDX</b>	C	ID	2/2
PID04	751	<b>Product Description Code</b> A code from an industry code list which provides specific data about a product characteristic. <b>NOT USED BY PIDX</b>	C	AN	1/12
PID05	352	<b>Description</b> A free-form description to clarify the related data elements and their content. <b>RECOMMENDED FOR USE BY PIDX</b>	C	AN	1/80
PID06	752	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described. <b>NOT USED BY PIDX</b>	O	ID	2/2
PID07	822	<b>Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier. <b>NOT USED BY PIDX</b>	O	AN	1/15

PID08	1073	<b>Yes/No Condition or Response Code</b>	O	ID	1/1
Code indicating a Yes or No condition or response.					
<b>NOT USED BY PIDX</b>					

**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 **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	<b>Number of Line Items</b> Total number of line items in the transaction set.	M NO 1/6
CTT02	347	<b>Hash Total</b> Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the 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
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
CTT03	81	<b>Weight</b> Numeric value of weight.	O R 1/10
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
CTT04	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
CTT05	183	<b>Volume</b> Value of volumetric measure.	O R 1/8
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
CTT06	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			
CTT07	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	O AN 1/80
<b>NOT RECOMMENDED FOR USE BY PIDX</b>			

**Segment:** **AMT** Monetary Amount  
**Level:** Summary  
**Loop:** \_\_\_  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount.

**Data Element Summary**

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

**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
<b>SE01</b>	<b>96</b>	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments.	<b>M NO 1/10</b>
<b>SE02</b>	<b>329</b>	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <b>This must be the same number as in the ST segment (ST02) for the transaction set.</b>	<b>M AN 4/9</b>