

# 855 Purchase Order Acknowledgment

FUNCTIONAL GROUP ID - PR

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order.

## Header

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
5	010	ST	Transaction Set Header	M	1	
6	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1	
Not Used	030	NTE	Note/Special Instruction	F	100	
7	040	CUR	Currency	O	1	
9	050	REF	Reference Numbers	O	12	
Not Used	060	PER	Administrative Communications Contact	O	3	
Not Used	070	TAX	Tax Reference	O	3	
10	080	FOB	F.O.B. Related Instructions	O	1	
Not Used	090	CTP	Pricing Information	O	25	
Not Used	100	SSS	Special Services	O	25	
Not Used	110	CSH	Header Sale Condition	O	1	
Not Used	120	ITA	Allowance, Charge or Service	O	10	
12	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
Not Used	140	DIS	Discount Detail	O	20	
Not Used	145	INC	Installment Information	O	1	
14	150	DTM	Date/Time Reference	O	10	
Not Used	160	LDT	Lead Time	O	12	
Not Used	180	LIN	Item Identification	O	5	
Not Used	185	SI	Service Characteristic Identification	O	2	
Not Used	190	PID	Product/Item Description	O	200	
Not Used	200	MEA	Measurements	O	40	
15	210	PWK	Paperwork	O	25	
Not Used	220	PKG	Marking, Packaging, Loading	O	25	
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2	
17	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250	TD3	Carrier Details (Equipment)	O	12	
Not Used	260	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	270	MAN	Marks and Numbers	O	10	
Not Used	280	N9	Reference Number	O	1	1000

Not Used	290	MSG	Message Text	O	1000	
19	300	N1	Name	O	1	200
20	310	N2	Additional Name Information	O	2	
21	320	N3	Address Information	O	2	
22	330	N4	Geographic Location	O	1	
Not Used	335	NX2	Real Estate Property ID Component	O	3	
Not Used	340	REF	Reference Numbers	O	12	
23	350	PER	Administrative Communications Contact	O	3	
Not Used	360	FOB	F.O.B. Related Instructions	O	1	
Not Used	370	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	390	TD3	Carrier Details (Equipment)	O	12	
Not Used	400	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	410	PKG	Marking, Packaging, Loading	O	25	

## Detail

24	010	PO1	Baseline Item Data	O	1	100000
Not Used	018	SI	Service Characteristic Identification	O	5	
Not Used	020	CUR	Currency	O	1	
Not Used	030	PO3	Additional Item Detail	O	25	
Not Used	040	CTP	Pricing Information	O	25	
Not Used	049	MEA	Measurements	O	40	
27	050	PID	Product/Item Description	O	1	1000
Not Used	060	MEA	Measurements	O	10	
29	070	PWK	Paperwork	O	25	
31	080	PKG	Marking, Packaging, Loading	O	25	
Not Used	090	PO4	Item Physical Details	O	1	
33	100	REF	Reference Numbers	O	12	
34	110	PER	Administrative Communications Contact	O	3	
35	120	SSS	Special Services	O	25	
36	130	ITA	Allowance, Charge or Service	O	10	
Not Used	140	IT8	Conditions of Sale	O	1	
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	160	DIS	Discount Detail	O	20	
Not Used	165	INC	Installment Information	O	1	
39	170	TAX	Tax Reference	O	3	
Not Used	180	FOB	F.O.B. Related Instructions	O	1	
Not Used	190	SDQ	Destination Quantity	O	500	
41	200	DTM	Date/Time Reference	O	10	

Not Used	210	LDT	Lead Time	O	12	
42	220	SCH	Line Item Schedule	O	200	
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	1	
44	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	250	TD3	Carrier Details (Equipment)	O	12	
Not Used	260	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
46	270	ACK	Line Item Acknowledgment	O	1	104
Not Used	280	DTM	Date/Time Reference	O	1	
Not Used	290	MAN	Marks and Numbers	O	10	
Not Used	300	AMT	Monetary Amount	O	1	
Not Used	350	N9	Reference Number	O	1	1000
Not Used	360	MSG	Message Text	O	1000	
49	370	N1	Name	O	1	200
50	380	N2	Additional Name Information	O	2	
51	390	N3	Address Information	O	2	
52	400	N4	Geographic Location	O	1	
Not Used	405	NX2	Real Estate Property ID Component	O	3	
Not Used	410	REF	Reference Numbers	O	12	
Not Used	420	PER	Administrative Communications Contact	O	3	
Not Used	430	FOB	F.O.B. Related Instructions	O	1	
Not Used	440	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	450	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	460	TD3	Carrier Details (Equipment)	O	12	
Not Used	470	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	480	PKG	Marking, Packaging, Loading	O	25	
53	490	SLN	Subline Item Detail	O	1	1000
Not Used	500	SI	Service Characteristic Identification	O	5	
56	510	PID	Product/Item Description	O	1000	
Not Used	520	PO3	Additional Item Detail	O	25	
58	530	ACK	Line Item Acknowledgment	O	104	
Not Used	540	ITA	Allowance, Charge or Service	O	10	
Not Used	550	DTM	Date/Time Reference	O	10	
Not Used	560	N1	Name	O	1	10
Not Used	570	N2	Additional Name Information	O	2	
Not Used	580	N3	Address Information	O	2	
Not Used	590	N4	Geographic Location	O	1	
Not Used	600	NX2	Real Estate Property ID Component	O	3	
Not Used	610	REF	Reference Numbers	O	12	

Not Used	620	PER	Administrative Communications Contact	O	3	
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**Summary**

61	010	CTT	Transaction Totals	M	1	
63	020	AMT	Monetary Amount	O	1	
64	030	SE	Transaction Set Trailer	M	1	

FINAL

**Segment:** **ST** Transaction Set Header  
**Level:** Header  
**Loop:** \_\_\_\_  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Semantic:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set.	
		855 X12.9 Purchase Order Acknowledgment	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		The transaction set control number assigned by the originator is sequentially assigned within each functional group. The same control number will also appear in the SE segment (SE02) in the Summary Area for the transaction set.	

**Segment:** **BAK** Beginning Segment for Purchase Order Acknowledgment  
**Level:** Header  
**Loop:** \_\_\_\_  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the purchase order acknowledgment transaction set and transmit identifying numbers and dates.  
**Semantic:** 1 BAK08 is the seller's order number.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
BAK01	353	Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set.	
		00 Original	
		"00" is used when this is the first time that the order was acknowledged to the customer.	
		06 Confirmation	
		"06" is used when a verbal or other non-EDI acknowledgment has been given to the customer.	
		07 Duplicate	
		"07" denotes a true duplicate; no changes have been made to the original P.O. Change.	
BAK02	587	Acknowledgment Type	M ID 2/2
		Code specifying the type of acknowledgment.	
BAK03	324	Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser.	
BAK04	323	Purchase Order Date	M DT 6/6
		Date assigned by the purchaser to Purchase Order.	
BAK05	328	Release Number	O AN 1/30
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	
BAK06	326	Request Reference Number	O AN 1/45
		Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number).	
		Not Used by PIDX	
BAK07	367	Contract Number	O AN 1/30
		Contract number.	
BAK08	127	Reference Number	O AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
		Supplier's tracking number, eg. Sales Order Number	
BAK09	588	Acknowledgment Date	O DT 6/6
		Date assigned by the sender to the acknowledgment.	
		Recommended by PIDX	

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

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

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CUR01	98	Entity Identifier Code	M ID 2/2 Code identifying an organizational entity, a physical location, or an individual
CUR02	100	Currency Code	M ID 3/3 Code (Standard ISO) for country in whose currency the charges are specified.
CUR03	280	Exchange Rate	O R 4/6 Value to be used as a multiplier conversion factor to convert monetary value from one currency to another.
CUR04	98	Entity Identifier Code	O ID 2/2 Code identifying an organizational entity, a physical location, or an individual
CUR05	100	Currency Code	O ID 3/3 Code (Standard ISO) for country in whose currency the charges are specified.
CUR06	669	Currency Market/Exchange Code	O ID 3/3 Code identifying the market upon which the currency exchange rate is based.
CUR07	374	Date/Time Qualifier	C ID 3/3 Code specifying type of date or time, or both date and time.
CUR08	373	Date	O DT 6/6 Date (YYMMDD).

**CUR09 337 Time** O TM 4/6  
Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

**CUR10 374 Date/Time Qualifier** C ID 3/3  
Code specifying type of date or time, or both date and time.

**CUR11 373 Date** O DT 6/6  
Date (YYMMDD).

**CUR12 337 Time** O TM 4/6  
Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

**CUR13 374 Date/Time Qualifier** C ID 3/3  
Code specifying type of date or time, or both date and time.

**CUR14 373 Date** O DT 6/6  
Date (YYMMDD).

**CUR15 337 Time** O TM 4/6  
Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

**CUR16 374 Date/Time Qualifier** C ID 3/3  
Code specifying type of date or time, or both date and time.

**CUR17 373 Date** O DT 6/6  
Date (YYMMDD).

**CUR18 337 Time** O TM 4/6  
Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

**CUR19 374 Date/Time Qualifier** C ID 3/3  
Code specifying type of date or time, or both date and time.

**CUR20 373 Date** O DT 6/6  
Date (YYMMDD).

**CUR21 337 Time** O TM 4/6  
Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

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

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

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

REF segment is not commonly used at the header level and detail level. It is preferred to be used at the header level or detail level, not both. It may be used both at the header level and detail level where business issues dictate between trading partners.

**Data Element Summary**

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

**Segment:** FOB F.O.B. Related Instructions  
**Level:** Header  
**Loop:** \_\_\_\_  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify transportation instructions relating to shipment

**Syntax:** 1 C0302  
 If FOB03 is present, then FOB02 is required.  
 2 C0405  
 If FOB04 is present, then FOB05 is required.  
 3 C0706  
 If FOB07 is present, then FOB06 is required.  
 4 C0809  
 If FOB08 is present, then FOB09 is required.

**Semantic:** 1 FOB01 indicates which party will pay the carrier.  
 2 FOB02 is the code specifying transportation responsibility location.  
 3 FOB06 is the code specifying the title passage location.  
 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges.	M ID 2/2
		CC Collect	
		CF Collect, Freight Credited Back to Customer	
		NC Service Freight, No Charge	
		PB Customer Pick-up/Backhaul	
		PC Prepaid but Charged to Customer	
		PP Prepaid (by Seller)	
		PU Pickup	
		TP Third Party Pay	
FOB02	309	Location Qualifier Code identifying type of location.	C ID 1/2
		DE Destination (Shipping)	
		FE Freight Equalization Point	
		OA Origin (After Loading on Equipment)	
		OR Origin (Shipping Point)	
		OV On Vessel (Free On Board [FOB] point)	

		<b>PL Plant</b>			
		<b>WH Warehouse</b>			
FOB03	352	<b>Description</b>	O AN	1/80	A free-form description to clarify the related data elements and their content.
FOB04	334	<b>Transportation Terms Qualifier Code</b>	O ID	2/2	Code identifying the source of the transportation terms.
		<b>Not Used by PIDX</b>			
FOB05	335	<b>Transportation Terms Code</b>	C ID	3/3	Code identifying the trade terms which apply to the shipment transportation responsibility.
		<b>Not Used by PIDX</b>			
FOB06	309	<b>Location Qualifier</b>	C ID	1/2	Code identifying type of location.
		<b>DE Destination (Shipping)</b>			
		<b>FE Freight Equalization Point</b>			
		<b>OA Origin (After Loading on Equipment)</b>			
		<b>OR Origin (Shipping Point)</b>			
		<b>OV On Vessel (Free On Board [FOB] point)</b>			
		<b>PL Plant</b>			
		<b>WH Warehouse</b>			
FOB07	352	<b>Description</b>	O AN	1/80	A free-form description to clarify the related data elements and their content.
		<b>Not Used by PIDX</b>			
FOB08	54	<b>Risk of Loss Qualifier</b>	O ID	2/2	Code specifying where responsibility for risk of loss passes.
		<b>Not Used by PIDX</b>			
FOB09	352	<b>Description</b>	C AN	1/80	A free-form description to clarify the related data elements and their content.
		<b>Not Used 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 are required.  
2 L08040513  
If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 are required.  
3 L091011  
If ITD09 is present, then at least one of ITD10 or ITD11 are required.  
**Semantic:** 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.  
**Comments:** A If the code in ITD01 is 04, then ITD09 is required and either ITD10 or ITD11 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.  
**Notes:** The term "Discount" is payment discount, not pricing discount.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITD01	336	<b>Terms Type Code</b> Code identifying type of payment terms.	O ID 2/2
		<b>Not Used by PIDX</b>	
ITD02	333	<b>Terms Basis Date Code</b> Code identifying the beginning of the terms period.	O ID 1/2
		<b>Required by PIDX</b>	
		2 Delivery Date	
		3 Invoice Date	
		5 Invoice Receipt 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 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 Used 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 by PIDX</b>					
If ITD03 is sent, ITD05 is required. ITD03 must be greater than zero (0).					
ITD06	446	<b>Terms Net Due Date</b> Date when total invoice amount becomes due.	O	DT	6/6
<b>Not Used 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 Used by PIDX</b>					
ITD09	388	<b>Terms Deferred Due Date</b> Date deferred payment or percent of invoice payable is due.	O	DT	6/6
<b>Not Used by PIDX</b>					
ITD10	389	<b>Deferred Amount Due</b> Deferred amount due for payment.	C	N2	1/10
ITD11	342	<b>Percent of Invoice Payable</b> Amount of invoice payable expressed in percent.	C	R	1/5
ITD12	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	O	AN	1/80
<b>ITD10 - ITD12 are to be used for any special terms; ie. Retainage.</b>					
ITD13	765	<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.	C	N0	1/2
<b>Not Used by PIDX</b>					
ITD14	107	<b>Payment Method Code</b> Code identifying type of payment procedures.	O	ID	1/1
<b>Not Used by PIDX</b>					
ITD15	954	<b>Percent</b> Percentage expressed as a decimal	O	R	1/10
<b>Not Used 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:** DTM Segment is not commonly used at the Header Level and Detail Level. It is preferred to be used at the Header Level or Detail Level, not both.

**Data Element Summary**

REF. DIS.	DATA ELEMENT	NAME	ATTRIBUTES
DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time.	M ID 3/3
069 Promised for Delivery			
079 Promised for Shipment			
150 Service Period Start			
151 Service Period End			
DTM02	373	<b>Date</b> Date (YYMMDD).	C DT 6/6
<b>Required by PIDX</b>			
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.	O ID 2/2
DTM05	624	<b>Century</b> The first two characters in the designation of the year (CCYY).	O N0 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:** **This segment should be used only if "Attached" paperwork is applicable.**  
**The PWK segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both.**

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	<b>Report Type Code</b>	M ID 2/2
		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	
		BM Bill of Material	
		CT Certification	
		IT Certified Inspection and Test Results	
		MS Material Safety Data Sheet	
		SI Seller Inventory Report	
PWK02	756	<b>Report Transmission Code</b>	O ID 2/2
		Code defining timing, transmission method or format by which reports are to be sent	
		<b>Required by PIDX</b>	
		<b>The preferred method should be first in a X12 transaction set, if available, but electronically never the less.</b>	
		AE Electronically After Shipping	
		BM By Mail	

EL Electronically Only			
FX By Fax			
PWK03	757	<b>Report Copies Needed</b>	O N0 1/2
		The number of copies of a report that should be sent to the addressee.	
PWK04	98	<b>Entity Identifier Code</b>	O ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
PWK05	66	<b>Identification Code Qualifier</b>	C ID 1/2
		Code designating the system/method of code structure used for Identification Code (67).	
PWK06	67	<b>Identification Code</b>	C AN 2/17
		Code identifying a party or other code.	
PWK07	352	<b>Description</b>	O AN 1/80
		A free-form description to clarify the related data elements and their content.	
PWK08	704	<b>Paperwork/Report Action Code</b>	O ID 1/2
		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.	

FINAL

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Level:** Header  
**Loop:** \_\_\_\_  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify the carrier, sequence of routing and to provide transit time information  
**Syntax:** **1 R0204050612**  
 At least one of TD502, TD504, TD505, TD506 or TD512 is required.  
**2 C0203**  
 If TD502 is present, then TD503 is required.  
**3 C0708**  
 If TD507 is present, then TD508 is required.  
**4 C1011**  
 If TD510 is present, then TD511 is required.  
**Comments:** **A** When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement: use TD502 to identify the party responsible for defining the routing sequence; use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

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

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

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

**Segment:** N1 Name  
**Level:** Header  
**Loop:** N1 **Repeat:** 200  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name and code  
**Syntax:** 1 R0203  
 At least one of N102 or N103 is required.  
 2 P0304  
 If either N103 or N104 is present, then the other is required.  
**Comments:** A This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	M ID 2/2
		BS Bill and Ship To	
		BT Party to be Billed For Other Than Freight(Bill To)	
		SE Selling Party	
		ST Ship To	
N102	93	Name Free-form name.	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
		Recommended by PIDX	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix DUNS+4 is the API Recommended Practice.	
		91 Assigned by Seller or Seller's Agent	
		92 Assigned by Buyer or Buyer's Agent	
N104	67	Identification Code Code identifying a party or other code.	C AN 2/17
		Recommended by PIDX	

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

**Data Element Summary**

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

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

**Data Element Summary**

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

FINAL

**Segment:** N4 Geographic Location  
**Level:** Header  
**Loop:** N1  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax:** 1 R0105  
 At least one of N401 or N405 is required.  
 2 P0506  
 If either N405 or N406 is present, then the other is required.  
**Comments:** A A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.  
 B N402 is required only if city name (N401) is in the USA or Canada.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N401	19	City Name Free-form text for city name.	C AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency. Refer to API Bulletin D12A Code list in: STATES AND OUTLYING AREAS OF THE USA (SD) Catalog No. C52. 13:5-1 Available from: Superintendent of Documents U.S. Government Printing Office Washington, DC 20402	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O ID 3/9
N404	26	Country Code Code identifying the country. Refer to API Bulletin D12A Code list in: CODES FOR REPRESENTATION OF NAMES OF COUNTRIES (iso-3166-1974 (E)) Available from: American National Standards Institute 1430 Broadway New York, NY 10018	O ID 2/3
N405	309	Location Qualifier Code identifying type of location.	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location.	C AN 1/25

**Segment:** **PER** Administrative Communications Contact  
**Level:** Header  
**Loop:** N1  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax:** 1 **P0304**  
 If either PER03 or PER04 is present, then the other is required.  
 2 **P0506**  
 If either PER05 or PER06 is present, then the other is required.

**Data Element Summary**

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

**Segment:** **PO1** Baseline Item Data  
**Level:** Detail  
**Loop:** PO1 **Repeat:** 100000  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data  
**Set Notes:** 1 PO102 is required.  
**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
		Required by PIDX	

PO102	330	<b>Quantity Ordered</b> Quantity ordered.	C R	1/9
<b>Required by PIDX</b>				
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	O ID	2/2
<b>Required by PIDX</b>				
PO104	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	C R	1/14
PO105	639	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item.	O ID	2/2
PO106	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
<b>Recommended by PIDX</b>				
<b>CB Buyer's Catalog Number</b>				
<b>CG Commodity Grouping</b> CG qualifier is used pending the approval of a new qualifier for Common Codes. WC is the proposed code. This will identify the WORLD CODE (CIMIS Number).				
<b>CQ Equipment Code per COPAS standard</b>				
<b>MG Manufacturer's Part Number</b>				
<b>MN Model Number</b>				
<b>VN Vendor's (Seller's) Item Number</b>				
PO107	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
<b>Recommended by PIDX</b>				
PO108	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO109	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
PO110	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO111	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
PO112	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO113	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
PO114	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO115	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
PO116	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO117	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30

PO118	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO119	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
PO120	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO121	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
PO122	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO123	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
PO124	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO125	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30

**Segment:** **PID** Product/Item Description  
**Level:** Detail  
**Loop:** PO1/PID **Repeat:** 1000  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To describe a product or process in coded or free-form format  
**Syntax:** 1 **C0403**  
 If PID04 is present, then PID03 is required.  
 2 **R0405**  
 At least one of PID04 or PID05 is required.  
 3 **C0703**  
 If PID07 is present, then PID03 is required.  
 4 **C0803**  
 If PID08 is present, then PID03 is required.  
**Semantic:** 1 Use PID03 to indicate the organization that publishes the code list being referred to.  
 2 PID04 should be used for industry-specific product description codes.  
 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.  
**Comments:** A If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.  
 B Use PID06 when necessary to refer to the product surface or layer being described in the segment.  
 C PID07 specifies the individual code list of the agency specified in PID03.  
**Notes:** Recommended by PIDX

**Data Element Summary**

REF. DIS.	DATA ELEMENT	NAME	ATTRIBUTES
PID01	349	<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. Not Used by PIDX	O ID 2/3
PID03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values. Not Used by PIDX	C ID 2/2

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

**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:** **This segment should be used only if "Attached" paperwork is applicable.**  
**The PWK segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both.**

**Data Element Summary**

REF. DES.	DATA ELEMENT NAME	ATTRIBUTES
PWK01	<b>Report Type Code</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 BM Bill of Material CT Certification IT Certified Inspection and Test Results MS Material Safety Data Sheet SI Seller Inventory Report	<b>M ID 2/2</b>
PWK02	<b>Report Transmission Code</b> Code defining timing, transmission method or format by which reports are to be sent <b>Required by PIDX</b> <b>The preferred method should always be first in an X12 transaction set, if available, but electronically never the less.</b> AE Electronically After Shipping BM By Mail	<b>O ID 2/2</b>

		<b>EL Electronically Only</b>	
		<b>FX By Fax</b>	
PWK03	<b>757 Report Copies Needed</b> The number of copies of a report that should be sent to the addressee. <b>Not Used by PIDX</b>	<b>O NO 1/2</b>	
PWK04	<b>98 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>	
PWK05	<b>66 Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67). <b>Not Used by PIDX</b>	<b>C ID 1/2</b>	
PWK06	<b>67 Identification Code</b> Code identifying a party or other code. <b>Not Used by PIDX</b>	<b>C AN 2/17</b>	
PWK07	<b>352 Description</b> A free-form description to clarify the related data elements and their content. <b>Not Used by PIDX</b>	<b>O AN 1/80</b>	
PWK08	<b>704 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>Not Used by PIDX</b>	<b>O ID 1/2</b>	

**Segment:** **PKG** Marking, Packaging, Loading  
**Level:** Detail  
**Loop:** PO1  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To describe marking, packaging, loading and unloading requirements.  
**Syntax:** 1 **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 only in international shipments.

**Data Element Summary**

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

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

FINAL

**Segment:** REF Reference Numbers  
**Level:** Detail  
**Loop:** 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 should be used when an EDI Purchase Order/Release Number is not issued by the trading partner.

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

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

REF segment is not commonly used at the header level and detail level. It is preferred to be used at the header level or detail level, not both. It may be used both at the header level and detail level where business issues dictate between trading partners.

#### Data Element Summary

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

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

#### Data Element Summary

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

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

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITA01	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified. <b>A Allowance</b> <b>C Charge</b>	M ID 1/1
ITA02	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values. <b>Required by PIDX</b> <b>AX ANSI Accredited Standards Committee, X12.</b>	C ID 2/2
ITA03	560	<b>Special Services Code</b> Code identifying the special service. <b>Not Recommended by PIDX</b>	C ID 2/10

ITA04	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2
Code indicating method of handling for an allowance or charge.					
02 Off Invoice					
06 Charge to be Paid by Customer					
ITA05	341	<b>Allowance or Charge Number</b>	O	AN	1/16
The number assigned by a vendor referencing an allowance, promotion, deal or charge.					
ITA06	359	<b>Allowance or Charge Rate</b>	O	R	1/9
Allowance or Charge Rate per Unit.					
ITA07	360	<b>Allowance or Charge Total Amount</b>	O	N2	1/9
Total dollar amount for the allowance or charge.					
Required by PIDX					
ITA08	378	<b>Allowance/ Charge Percent Qualifier</b>	O	ID	1/1
Code indicating on what basis allowance or charge percent is calculated.					
ITA09	332	<b>Allowance or Charge Percent</b>	C	R	1/6
Allowance or charge expressed as a percent.					
ITA10	339	<b>Allowance or Charge Quantity</b>	O	R	1/10
Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity.					
ITA11	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
ITA12	380	<b>Quantity</b>	O	R	1/15
Numeric value of quantity.					
ITA13	352	<b>Description</b>	C	AN	1/80
A free-form description to clarify the related data elements and their content.					
Recommended by PIDX					
If additional information is available in ITA14, ITA13 should contain that description.					
ITA14	150	<b>Special Charge or Allowance Code</b>	C	ID	3/3
Code identifying type of special charge or allowance.					
Recommended by PIDX					
These are recommended codes. Try to use these codes if possible. If not applicable, any relevant code in Table 150 may be used.					
400 Freight					
405 Fuel Surcharge					
690 Special Handling Service					
DSC Discount					
INC Insurance Surcharge					
LAE One-Time License Fee					
RAK Royalties					
ITA15	822	<b>Source Subqualifier</b>	O	AN	1/15
A reference that indicates the table or text maintained by the Source Qualifier.					
Not Recommended by PIDX					

ITA16	662	<b>Price Relationship Code</b>	O	ID	1/1
Code indicating the relationship of the price or amount to the associated segment.					
Not Recommended 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	Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.), often called a tax exemption number or certificate number.	C AN 1/20
TAX02	309	Location Qualifier Code identifying type of location.	C ID 1/2

TAX03	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX04	309	Location Qualifier Code identifying type of location.	C ID 1/2
TAX05	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX06	309	Location Qualifier Code identifying type of location.	C ID 1/2
TAX07	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX08	309	Location Qualifier Code identifying type of location.	C ID 1/2
TAX09	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX10	309	Location Qualifier Code identifying type of location.	C ID 1/2
TAX11	310	Location Identifier Code which identifies a specific location.	C AN 1/25
TAX12	441	Tax Exempt Code Code identifying exemption status from sales and use tax.	O ID 1/1

**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.

**Notes:** The DTM 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
DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time.	M ID 3/3
		069 Promised for Delivery	
		079 Promised for Shipment	
		150 Service Period Start	
		151 Service Period End	
DTM02	373	<b>Date</b> Date (YYMMDD).	C DT 6/6
		Required by PIDX	
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.	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.

**Set Notes:** 1 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.

**Syntax:** 1 C0304  
 If SCH03 is present, then SCH04 is required.  
 2 C0908  
 If SCH09 is present, then SCH08 is required.

**Comments:** A SCH05 specifies the interpretation to be used for SCH06 and SCH07.

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

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SCH01	380	<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
		Not Used by PIDX	
SCH04	93	<b>Name</b> Free-form name.	C AN 1/35
		Not Used by PIDX	
SCH05	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time.	M ID 3/3
		069 Promised for Delivery	
		079 Promised for Shipment	
		150 Service Period Start	
		151 Service Period End	
SCH06	373	<b>Date</b>	M DT 6/6

Date  
(YYMMDD).

<b>SCH07</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	<b>O TM 4/6</b>
<b>SCH08</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>
<b>SCH09</b>	<b>373</b>	<b>Date</b> Date (YYMMDD). <b>Not Used by PIDX</b>	<b>O DT 6/6</b>
<b>SCH10</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 TM 4/6</b>
<b>SCH11</b>	<b>326</b>	<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).	<b>O AN 1/45</b>

FINAL

**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 Origin/Delivery Carrier (Any Mode)</b> <b>O Origin Carrier (Air, Motor, or Ocean)</b>	<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 American Petroleum Institute Location Code</b> <b>6 Plant Code</b> <b>7 Dock</b>	<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 Air</b> <b>AE Air Express</b>	<b>C ID 1/2</b>

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

**Segment:** **ACK** Line Item Acknowledgment  
**Level:** Detail  
**Loop:** PO1/ACK **Repeat:** 104  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item.

**Syntax:**

- 1 C0203**  
If ACK02 is present, then ACK03 is required.
- 2 C0405**  
If ACK04 is present, then ACK05 is required.
- 3 C0708**  
If ACK07 is present, then ACK08 is required.
- 4 C0910**  
If ACK09 is present, then ACK10 is required.
- 5 C1112**  
If ACK11 is present, then ACK12 is required.
- 6 C1314**  
If ACK13 is present, then ACK14 is required.
- 7 C1516**  
If ACK15 is present, then ACK16 is required.
- 8 C1718**  
If ACK17 is present, then ACK18 is required.
- 9 C1920**  
If ACK19 is present, then ACK20 is required.
- 10 C2122**  
If ACK21 is present, then ACK22 is required.
- 11 C2324**  
If ACK23 is present, then ACK24 is required.
- 12 C2526**  
If ACK25 is present, then ACK26 is required.
- 13 P2728**  
If either ACK27 or ACK28 is present, then the other is required.
- 14 C282729**  
If ACK28 is present, then ACK27 and ACK29 are required.

**Semantic:** **1** ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ACK01	668	<b>Line Item Status Code</b> Code specifying the action taken by the seller on a line item requested by the buyer.	M ID 2/2
ACK02	380	<b>Quantity</b> Numeric value of quantity.	O R 1/15
ACK03	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
ACK04	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time.	O ID 3/3
		<b>069 Promised for Delivery</b>	
		<b>079 Promised for Shipment</b>	
		<b>150 Service Period Start</b>	
		<b>151 Service Period End</b>	
ACK05	373	<b>Date</b> Date (YYMMDD).	C DT 6/6
ACK06	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). <b>Not Used by PIDX</b>	O AN 1/45
ACK07	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>CB Buyer's Catalog Number</b> <b>CG Commodity Grouping</b> 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). <b>CQ Equipment Code per COPAS standard</b> <b>MG Manufacturer's Part Number</b> <b>MN Model Number</b> <b>VN Vendor's (Seller's) Item Number</b>	O ID 2/2
ACK08	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK09	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK10	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK11	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK12	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK13	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2

ACK14	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK15	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK16	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK17	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK18	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK19	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK20	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK21	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK22	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK23	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK24	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK25	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK26	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK27	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values.	C ID 2/2
ACK28	822	<b>Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier.	C AN 1/15
ACK29	1271	<b>Industry Code</b> Code indicating a code from a specific industry code list	C AN 1/20

**Segment: N1** Name  
**Level:** Detail  
**Loop:** PO1/N1 **Repeat:** 200  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name and code  
**Syntax:** 1 **R0203**  
 At least one of N102 or N103 is required.  
 2 **P0304**  
 If either N103 or N104 is present, then the other is required.  
**Comments:** A This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
**Notes:** This segment is not for additional "Ship To" information.  
 This segment is for the identification of the manufacturer of the item in the PO1 segment.

**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	M ID 2/2
		<b>MF Manufacturer of Goods</b>	
N102	93	<b>Name</b> Free-form name.	C AN 1/35
N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
		<b>Not Used by PIDX</b>	
N104	67	<b>Identification Code</b> Code identifying a party or other code.	C AN 2/17
		<b>Not Used by PIDX</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
N201	93	<b>Name</b> Free-form name.	M AN 1/35
N202	93	<b>Name</b> Free-form name.	O AN 1/35

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

**Data Element Summary**

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

FINAL

**Segment:** N4 Geographic Location  
**Level:** Detail  
**Loop:** PO1/N1  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax:** 1 R0105  
 At least one of N401 or N405 is required.  
 2 P0506  
 If either N405 or N406 is present, then the other is required.  
**Comments:** A A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.  
 B N402 is required only if city name (N401) is in the USA or Canada.

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N401	19	City Name Free-form text for city name.	C AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency. Refer to API Bulletin D12A. Code list in: STATES AND OUTLYING AREAS OF THE USA (SD) Catalog No. C52. 13:5-1 Available from: Superintendent of Documents U.S. Government Printing Office Washington, DC 20402	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O ID 3/9
N404	26	Country Code Code identifying the country. Refer to API Bulletin D12A. Code list in: CODES FOR REPRESENTATION OF NAMES OF COUNTRIES (iso-3166-1974 (E)) Available from: American National Standards Institute 1430 Broadway New York, NY 10018	O ID 2/3
N405	309	Location Qualifier Code identifying type of location.	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location.	C AN 1/25

**Segment:** **SLN** Subline Item Detail

**Level:** Detail

**Loop:** PO1/SLN **Repeat:** 1000

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify product subline detail item data

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

SLN23	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
SLN24	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
SLN25	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
SLN26	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30
SLN27	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
SLN28	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN	1/30

FINAL

**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. <b>F Free-form</b>	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.	C AN 1/12
<b>Not Used by PIDX</b>			
PID05	352	<b>Description</b> A free-form description to clarify the related data elements and their content.	C AN 1/80
<b>Recommended by PIDX</b>			
PID06	752	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described.	O ID 2/2
<b>Not Used by PIDX</b>			
PID07	822	<b>Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier.	O AN 1/15
<b>Not Used by PIDX</b>			
PID08	1073	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response.	O ID 1/1
<b>Not Used by PIDX</b>			

FINAL

**Segment:** **ACK** Line Item Acknowledgment  
**Level:** Detail  
**Loop:** PO1/SLN  
**Usage:** Optional  
**Max Use:** 104  
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item.

**Syntax:**

- 1 C0203**  
If ACK02 is present, then ACK03 is required.
- 2 C0405**  
If ACK04 is present, then ACK05 is required.
- 3 C0708**  
If ACK07 is present, then ACK08 is required.
- 4 C0910**  
If ACK09 is present, then ACK10 is required.
- 5 C1112**  
If ACK11 is present, then ACK12 is required.
- 6 C1314**  
If ACK13 is present, then ACK14 is required.
- 7 C1516**  
If ACK15 is present, then ACK16 is required.
- 8 C1718**  
If ACK17 is present, then ACK18 is required.
- 9 C1920**  
If ACK19 is present, then ACK20 is required.
- 10 C2122**  
If ACK21 is present, then ACK22 is required.
- 11 C2324**  
If ACK23 is present, then ACK24 is required.
- 12 C2526**  
If ACK25 is present, then ACK26 is required.
- 13 P2728**  
If either ACK27 or ACK28 is present, then the other is required.
- 14 C282729**  
If ACK28 is present, then ACK27 and ACK29 are required.

**Semantic:** 1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ACK01	668	<b>Line Item Status Code</b> Code specifying the action taken by the seller on a line item requested by the buyer.	M ID 2/2
ACK02	380	<b>Quantity</b> Numeric value of quantity.	O R 1/15
ACK03	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
ACK04	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time.	O ID 3/3
ACK05	373	<b>Date</b> Date (YYMMDD).	C DT 6/6
ACK06	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
ACK07	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK08	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK09	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK10	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK11	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK12	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK13	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK14	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK15	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK16	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK17	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK18	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK19	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK20	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK21	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2

ACK22	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK23	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK24	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK25	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK26	234	<b>Product/Service ID</b> Identifying number for a product or service.	C AN 1/30
ACK27	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values.	C ID 2/2
ACK28	822	<b>Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier.	C AN 1/15
ACK29	1271	<b>Industry Code</b> Code indicating a code from a specific industry code list	C AN 1/20

**Segment:** **CTT** Transaction Totals  
**Level:** Summary  
**Loop:** \_\_\_\_\_  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Set Notes:** 1 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.  
**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 Used by PIDX</b>			
CTT03	81	<b>Weight</b> Numeric value of weight.	O R 1/10
<b>Not Used 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 Used by PIDX</b>			
CTT05	183	<b>Volume</b> Value of volumetric measure.	O R 1/8
<b>Not Used by PIDX</b>			

**CTT06** 355 **Unit or Basis for Measurement Code** C ID 2/2  
 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  
**Not Used by PIDX**  
**CTT07** 352 **Description** O AN 1/80  
 A free-form description to clarify the related data elements and their content.  
**Not Used by PIDX**

FINAL

**Segment:** **AMT** Monetary Amount

**Level:** Summary

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

**Usage:** Optional

**Max Use:** 1

**Purpose:** To indicate the total monetary amount.

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

**Data Element Summary**

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

FINAL

**Segment:** **SE** Transaction Set Trailer

**Level:** Summary

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

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

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

**Data Element Summary**

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M NO 1/10
SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

FINAL