

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 #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
71	010	ST	Transaction Set Header	M	1	
72	020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1	
N/U	030	NTE	Note/Special Instruction	F	100	
73	040	CUR	Currency	O	1	
75	050	REF	Reference Numbers	O	12	
N/U	060	PER	Administrative Communications Contact	O	3	
N/U	070	TAX	Tax Reference	O	3	
76	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	1	
N/U	120	ITA	Allowance, Charge or Service	O	10	
78	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	
80	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	
81	210	PWK	Paperwork	O	25	
N/U	220	PKG	Marking, Packaging, Loading	O	25	
N/U	230	TD1	Carrier Details (Quantity and Weight)	O	2	
82	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	
LOOP ID - N9						1000
N/U	280	N9	Reference Number	O	1	
N/U	290	MSG	Message Text	O	1000	
LOOP ID - N1						200
84	300	N1	Name	O	1	
85	310	N2	Additional Name Information	O	2	
86	320	N3	Address Information	O	2	
87	330	N4	Geographic Location	O	1	

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N/U	335	NX2	Real Estate Property ID Component	O	3
N/U	340	REF	Reference Numbers	O	12
88	350	PER	Administrative Communications Contact	O	3
N/U	360	FOB	F.O.B. Related Instructions	O	1
N/U	370	TD1	Carrier Details (Quantity and Weight)	O	2
N/U	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
N/U	390	TD3	Carrier Details (Equipment)	O	12
N/U	400	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5
N/U	410	PKG	Marking, Packaging, Loading	O	25

Detail

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
		LOOP ID - PO1				10000
89	010	PO1	Baseline Item Data	O	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	
		LOOP ID - PO1/PID				1000
92	050	PID	Product/Item Description	O	1	
N/U	060	MEA	Measurements	O	10	
94	070	PWK	Paperwork	O	25	
96	080	PKG	Marking, Packaging, Loading	O	25	
97	090	PO4	Item Physical Details	O	1	
102	100	REF	Reference Numbers	O	12	
103	110	PER	Administrative Communications Contact	O	3	
104	120	SSS	Special Services	O	25	
105	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	
107	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	
109	200	DTM	Date/Time Reference	O	10	
N/U	210	LDT	Lead Time	O	12	
110	220	SCH	Line Item Schedule	O	200	
N/U	230	TD1	Carrier Details (Quantity and Weight)	O	1	
111	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	
		LOOP ID - PO1/ACK				104
113	270	ACK	Line Item Acknowledgment	O	1	
N/U	280	DTM	Date/Time Reference	O	1	
N/U	290	MAN	Marks and Numbers	O	10	

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N/U	300	AMT	Monetary Amount	O	1
LOOP ID - PO1/N9					1000
N/U	350	N9	Reference Number	O	1
N/U	360	MSG	Message Text	O	1000
LOOP ID - PO1/N1					200
116	370	N1	Name	O	1
117	380	N2	Additional Name Information	O	2
118	390	N3	Address Information	O	2
119	400	N4	Geographic Location	O	1
N/U	405	NX2	Real Estate Property ID Component	O	3
N/U	410	REF	Reference Numbers	O	12
N/U	420	PER	Administrative Communications Contact	O	3
N/U	430	FOB	F.O.B. Related Instructions	O	1
N/U	440	TD1	Carrier Details (Quantity and Weight)	O	2
N/U	450	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
N/U	460	TD3	Carrier Details (Equipment)	O	12
N/U	470	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5
N/U	480	PKG	Marking, Packaging, Loading	O	25
LOOP ID - PO1/SLN					1000
121	490	SLN	Subline Item Detail	O	1
N/U	500	SI	Service Characteristic Identification	O	5
124	510	PID	Product/Item Description	O	1000
N/U	520	PO3	Additional Item Detail	O	25
126	530	ACK	Line Item Acknowledgment	O	104
N/U	540	ITA	Allowance, Charge or Service	O	10
N/U	550	DTM	Date/Time Reference	O	10
LOOP ID - PO1/SLN/N1					10
N/U	560	N1	Name	O	1
N/U	570	N2	Additional Name Information	O	2
N/U	580	N3	Address Information	O	2
N/U	590	N4	Geographic Location	O	1
N/U	600	NX2	Real Estate Property ID Component	O	3
N/U	610	REF	Reference Numbers	O	12
N/U	620	PER	Administrative Communications Contact	O	3

Summary

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
129	010	CTT	Transaction Totals	M	1	
130	020	AMT	Monetary Amount	O	1	
131	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.

- 2/220** 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.
- 2/300** 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	Transaction Set Identifier Code Code uniquely identifying a Transaction Set. 855 X12.9 Purchase Order Acknowledgment	M ID 3/3
ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set 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.	M AN 4/9

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 Code identifying purpose of transaction set.	M ID 2/2
		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 Code specifying the type of acknowledgment.	M ID 2/2
BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser.	M AN 1/22
BAK04	323	Purchase Order Date Date assigned by the purchaser to Purchase Order.	M DT 6/6
BAK05	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	O AN 1/30
BAK06	326	Request Reference Number 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	O AN 1/45
BAK07	367	Contract Number Contract number.	O AN 1/30
BAK08	127	Reference Number 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	O AN 1/30
BAK09	588	Acknowledgment Date Date assigned by the sender to the acknowledgment. RECOMMENDED FOR USE BY PIDX	O DT 6/6

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

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

Segment: **REF** Reference Numbers

Level: Header

Loop:

Usage: Optional

Max Use: 12

Purpose: To specify identifying numbers.

Syntax: 1 R0203

At least one of REF02 or REF03 is required.

Notes: 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. AE Authorization for Expense (AFE) Number CR Customer Reference Number DJ Delivery Ticket Number KT Request for Quotation Reference LU Location Number PA Price Area Number RQ Purchase Requisition No. WN Well Number	M ID 2/2
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **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. 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	M ID 2/2
FOB02	309	Location Qualifier Code identifying type of location. DE Destination (Shipping) FE Freight Equalization Point OA Origin (After Loading on Equipment) OR Origin (Shipping Point) OV On Vessel (Free On Board [FOB] point) PL Plant WH Warehouse	C ID 1/2
FOB03	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms. NOT USED BY PIDX	O ID 2/2
FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility. NOT USED BY PIDX	C ID 3/3

FOB06	309	Location Qualifier Code identifying type of location. DE Destination (Shipping) FE Freight Equalization Point OA Origin (After Loading on Equipment) OR Origin (Shipping Point) OV On Vessel (Free On Board [FOB] point) PL Plant WH Warehouse	C ID 1/2
FOB07	352	Description A free-form description to clarify the related data elements and their content. NOT USED BY PIDX	O AN 1/80
FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes. NOT USED BY PIDX	O ID 2/2
FOB09	352	Description A free-form description to clarify the related data elements and their content. NOT USED BY PIDX	C AN 1/80

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	Terms Type Code Code identifying type of payment terms. NOT USED BY PIDX	O	ID	2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period. 2 Delivery Date 3 Invoice Date 5 Invoice Receipt Date	O	ID	1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. RECOMMENDED FOR USE BY PIDX	O	R	1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned. NOT USED BY PIDX	C	DT	6/6
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned. RECOMMENDED FOR USE BY PIDX If ITD03 is sent, ITD05 is required. ITD03 must be greater than zero (0).	C	N0	1/3
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due. NOT USED BY PIDX	O	DT	6/6
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable).	O	N0	1/3
ITD08	362	Terms Discount Amount Total amount of terms discount. NOT USED BY PIDX	O	N2	1/10
ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due. NOT USED BY PIDX	O	DT	6/6

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ITD10	389	Deferred Amount Due Deferred amount due for payment.	C N2	1/10
ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent.	C R	1/5
ITD12	352	Description A free-form description to clarify the related data elements and their content. ITD10 - ITD12 are to be used for any special terms; ie. Retainage.	O AN	1/80
ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced. NOT USED BY PIDX	C N0	1/2
ITD14	107	Payment Method Code Code identifying type of payment procedures. NOT USED BY PIDX	O ID	1/1
ITD15	954	Percent Percentage expressed as a decimal NOT USED BY PIDX	O R	1/10

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Segment: DTM Date/Time Reference

Level: Header

Loop: _____

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax: 1 R0203

At least one of DTM02 or DTM03 is required.

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

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 069 Promised for Delivery 079 Promised for Shipment 150 Service Period Start 151 Service Period End	M	ID	3/3
DTM02	373	Date Date (YYMMDD).	C	DT	6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	C	TM	4/6
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. See External Code Source 94 in Section III for reference document.	O	ID	2/2
DTM05	624	Century The first two characters in the designation of the year (CCYY).	O	NO	2/2

Segment: **PWK** Paperwork

Level: Header

Loop: _____

Usage: Optional

Max Use: 25

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

Syntax: 1 **P0506**

If either PWK05 or PWK06 is present, then the other is required.

Comments: **A** PWK05 and PWK06 may be used to identify the addressee by a code number.

B PWK07 may be used to indicate special information to be shown on the specified report.

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

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

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

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PWK01	755	Report Type Code	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		The business being conducted may require other Report Type Codes, but those listed below are recommended and will cover a large portion of the transactions.	
		12 Mechanical Properties	
		BM Bill of Material	
		CT Certification	
		IT Certified Inspection and Test Results	
		MS Material Safety Data Sheet	
		SI Seller Inventory Report	
PWK02	756	Report Transmission Code	O ID 2/2
		Code defining timing, transmission method or format by which reports are to be sent	
		The preferred method should be first in a X12 transaction set, if available, but electronically never the less.	
		AE Electronically After Shipping	
		BM By Mail	
		EL Electronically Only	
		FX By Fax	
PWK03	757	Report Copies Needed	O N0 1/2
		The number of copies of a report that should be sent to the addressee.	
PWK04	98	Entity Identifier Code	O ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
PWK05	66	Identification Code Qualifier	C ID 1/2
		Code designating the system/method of code structure used for Identification Code (67).	
PWK06	67	Identification Code	C AN 2/17
		Code identifying a party or other code.	
PWK07	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content.	
PWK08	704	Paperwork/Report Action Code	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.	

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	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement. B Origin/Delivery Carrier (Any Mode) O Origin Carrier (Air, Motor, or Ocean)	O ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). 30 PIDX Location Code 6 Plant Code 7 Dock	C ID 1/2
TD503	67	Identification Code Code identifying a party or other code.	C AN 2/17
TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment. A Air AE Air Express D Parcel Post E Expedited Truck H Customer Pickup M Motor (Common Carrier) R Rail S Ocean SR Supplier Truck T Best Way (Shippers Option)	C ID 1/2
TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	C AN 1/35

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

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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.

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 BS Bill and Ship To BT Party to be Billed For Other Than Freight(Bill To) SE Selling Party ST Ship To	M ID 2/2
N102	93	Name Free-form name.	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). RECOMMENDED FOR USE 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 PIDX Recommended Practice. 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	C ID 1/2
N104	67	Identification Code Code identifying a party or other code. RECOMMENDED FOR USE BY PIDX	C AN 2/17

**A PIDX CONVENTION FOR
 ELECTRONIC DATA INTERCHANGE**

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

**A PIDX CONVENTION FOR
 ELECTRONIC DATA INTERCHANGE**

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

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. See External Code Source 22 in Section III for reference document. Refer to PIDX Bulletin D12A for applicable values. Also refer to Code Source 22 in Appendix A for other applicable code values. If N404 is used, then the use of N401 - N403 is required.	O	ID	2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States). See External Code Source 51 in Section III for reference document.	O	ID	3/9
N404	26	Country Code Code identifying the country. See External Code Source 5 in Section III for reference document. Refer to PIDX Bulletin D12A for applicable values. Also refer to Code Source 22 in Appendix A for other applicable code values. If N404 is used, then the use of N401 - N403 is required. Refer to Code Source 51 in Appendix A for applicable code values. For Canadian Postal Codes: National Philatelic Centre 75 ST NINIAN ST Suite 100 ANIGONISH NS B2G 2R8 Canada E-mail: service@mailposte.ca	O	ID	2/3
N405	300	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

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

Segment: PER Administrative Communications Contact

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

Data Element Summary

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

Segment: **PO1** Baseline Item Data

Level: Detail

Loop: PO1 Usage: Optional 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 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/11
>	PO102	330 Quantity Ordered Quantity ordered.	C	R	1/9
>	PO103	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2
	PO104	212 Unit Price Price per unit of product, service, commodity, etc.	C	R	1/14
	PO105	639 Basis of Unit Price Code Code identifying the type of unit price for an item.	O	ID	2/2
	PO106	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2

RECOMMENDED FOR USE BY PIDX

CB Buyer's Catalog Number

CG Commodity Grouping

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).

CQ Equipment Code per COPAS standard

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

IN Buyer's Item Number

MG Manufacturer's Part Number

MN Model Number

TP Product Type Code

VN Vendor's (Seller's) Item Number

PO107	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
RECOMMENDED FOR USE BY PIDX				
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO109	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
PO110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO111	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
PO112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO113	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
PO114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO115	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
PO116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO117	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
PO118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO119	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
PO120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
PO121	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
PO122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

P0123	234	Product/Service ID Identifying number for a product or service.	C	AN	1130
P0124	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O	ID	2/2
P0125	234	Product/Service ID Identifying number for a product or service.	C	AN	1130

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

PIDOS	1073	Yes/No Condition or Response Code	O	ID	111
		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	755	Report Type Code	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		The business being conducted may require other Report Type Codes, but those listed below are recommended and will cover a large portion of the transactions.	
		12 Mechanical Properties	
		BM Bill of Material	
		CT Certification	
		IT Certified Inspection and Test Results	
		MS Material Safety Data Sheet	
		SI Seller Inventory Report	
PWK02	756	Report Transmission Code	O ID 2/2
		Code defining timing, transmission method or format by which reports are to be sent	
		The preferred method should always be first in an X12 transaction set, if available, but electronically never the less.	
		AE Electronically After Shipping	
		BM By Mail	
		EL Electronically Only	
		FX By Fax	
PWK03	757	Report Copies Needed	O NO 1/2
		The number of copies of a report that should be sent to the addressee.	
		NOT USED BY PIDX	
PWK04	98	Entity Identifier Code	O ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		NOT USED BY PIDX	
PWK05	66	Identification Code Qualifier	C ID 1/2
		Code designating the system/method of code structure used for Identification Code (67).	
		NOT USED BY PIDX	
PWK06	67	Identification Code	C AN 2/17
		Code identifying a party or other code.	
		NOT USED BY PIDX	

PWK07	352	Description	O AN	1/80
		A free-form description to clarify the related data elements and their content.		
		NOT USED BY PIDX		
PWK08	704	Paperwork/Report Action Code	O ID	112
		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.		
		NOT USED BY PIDX		

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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 Code indicating the format of a description. F Free-form	C ID 1/1
PKG02	753	Packaging Characteristic Code 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	Agency Qualifier Code Code identifying the agency assigning the code values. NOT USED BY PIDX	C ID 2/2
PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product. NOT USED BY PIDX	C AN 1/7
PKG05	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80
PKG06	400	Unit Load Option Code Code identifying loading or unloading a shipment NOT USED BY PIDX	O ID 2/2

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

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
- 1A Car Mile
- 1I Fixed Rate
- 23 Grams per Cubic Centimeter
- 28 Kilograms per Square Meter
- 2Z Millivolts
- 3C Manmonth
- 43 Super Bulk Bag

47 50 Pound Bag
4K Milliampere
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			
		UN Unit WK			
		Week YD			
		Yard YR			
		Years			
PO404	103	Packaging Code	O AN	5/5	
		Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.			
PO405	187	Weight Qualifier	O ID	1/2	
		Code defining the type of weight.			
PO406	384	Gross Weight per Pack	C R	1/9	
		Numeric value of gross weight per pack.			
PO407	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			
		See PO403 for applicable code values.			
PO408	385	Gross Volume per Pack	C R	1/9	
		Numeric value of gross volume per pack.			
PO409	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			
		See PO403 for applicable code values.			
PO410	82	Length	O R	1/8	
		Largest horizontal dimension of an object measured when the object is in the upright position.			
PO411	189	Width	O R	1/8	
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position.			
PO412	65	Height	O R	1/8	
		Vertical dimension of an object measured when the object is in the upright position.			
PO413	355	Unit or Basis for Measurement Code	C ID	2/2	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		See PO403 for applicable code values.			

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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

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

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified.	M	ID	1/1
SSS02	559	Agency Qualifier Code Code identifying the agency assigning the code values.	M	ID	2/2
SSS03	560	Special Services Code Code identifying the special service.	M	ID	2/10
SSS04	561	Service Marks and Numbers Data used to identify the performance of the service specified by Special Services Code (560).	O	AN	1/45
SSS05	359	Allowance or Charge Rate Allowance or Charge Rate per Unit.	O	R	1/9
SSS06	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	O	N2	1/9
SSS07	352	Description A free-form description to clarify the related data elements and their content.	O	AN	1/80
SSS08	380	Quantity Numeric value of quantity.	O	R	1/15
SSS09	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier.	O	AN	1/15

Segment: ITA Allowance, Charge or Service

- Level:** Detail
Loop: 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	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified. A Allowance C Charge	M	ID	1/1
>	ITA02 559	Agency Qualifier Code Code identifying the agency assigning the code values. AX ANSI Accredited Standards Committee, X12.	C	ID	2/2
	ITA03 560	Special Services Code Code identifying the special service. NOT RECOMMENDED FOR USE BY PIDX	C	ID	2/10
	ITA04 331	Allowance or Charge Method of Handling Code 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	Allowance or Charge Number The number assigned by a vendor referencing an allowance, promotion, deal or charge.	O	AN	1/16
	ITA06 359	Allowance or Charge Rate Allowance or Charge Rate per Unit.	O	R	1/9
>	ITA07 360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	O	N2	1/9
	ITA08 378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated.	O	ID	1/1
	ITA09 332	Allowance or Charge Percent Allowance or charge expressed as a percent.	C	R	1/6

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

ITA10	339	Allowance or Charge Quantity	O R	1/10
		Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity.		
ITA11	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		
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 that 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 in Table 150 may be used.				
		400 Freight		
		405 Fuel Surcharge		
		690 Special Handling Service		
		DSC Discount		
		INC Insurance Surcharge		
		LAE One-Time License Fee		
		RAK Royalties		
ITA15	822	Source Subqualifier	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	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 O ID 1/1
Code identifying exemption status from sales and use tax.

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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	Date/Time Qualifier Code specifying type of date or time, or both date and time. 069 Promised for Delivery 079 Promised for Shipment 150 Service Period Start 151 Service Period End	M ID 3/3
DTM02	373	Date Date (YYMMDD).	C DT 6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	C TM 4/6
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. See External Code Source 94 in Section III for reference document.	O ID 2/2
DTM05	624	Century The first two characters in the designation of the year (CCYY).	O NO 2/2

Segment: **SCH** Line Item Schedule

Level: Detail

Loop: 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 a DTM Segment. This segment is ONLY to be used when the line item requires multiple shipping quantities for specific dates.**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
SCH01	380	Quantity Numeric value of quantity.	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2
SCH03	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual NOT USED BY PIDX	O	ID	2/2
SCH04	93	Name Free-form name. NOT USED BY PIDX	C	AN	1/35
SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 069 Promised for Delivery 079 Promised for Shipment 150 Service Period Start 151 Service Period End	M	ID	3/3
SCH06	373	Date Date (YYMMDD).	M	DT	6/6
SCH07	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	O	TM	4/6
SCH08	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. NOT USED BY PIDX	C	ID	3/3
SCH09	373	Date Date (YYMMDD). NOT USED BY PIDX	O	DT	6/6
SCH10	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) NOT USED BY PIDX	O	TM	4/6
SCH11	326	Request Reference Number 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	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement. B Origin/Delivery Carrier (Any Mode) O Origin Carrier (Air, Motor, or Ocean)	O ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). 30 PIDX Location Code 6 Plant Code 7 Dock	C ID 1/2
TD503	67	Identification Code Code identifying a party or other code.	C AN 2/17
TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment. A Air AE Air Express D Parcel Post E Expedited Truck H Customer Pickup M Motor (Common Carrier) R Rail S Ocean SR Supplier Truck T Best Way (Shippers Option)	C ID 1/2
TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.	C AN 1/35

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

Segment: ACK Line Item Acknowledgment

Level: Detail

Loop: PO1/ACK **Usage:** Optional **Max Use:** 104

Usage: Mandatory

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	Line Item Status Code Code specifying the action taken by the seller on a line item requested by the buyer.	M ID 2/2
ACK02	380	Quantity Numeric value of quantity.	O R 1/15
ACK03	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2
ACK04	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 069 Promised for Delivery 079 Promised for Shipment 150 Service Period Start 151 Service Period End	O ID 3/3

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

ACK05	373	Date Date (YYMMDD).	C DT	6/6
ACK06	326	Request Reference Number 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
NOT USED BY PIDX				
ACK07	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). 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 VN Vendor's (Seller's) Item Number	O ID	2/2
ACK08	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK10	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK12	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK14	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK15	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK16	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK17	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK18	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK19	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK20	234	Product/Service ID Identifying number for a product or service.	C AN	1/30

ACK21	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK22	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
ACK23	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK24	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
ACK25	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
ACK26	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
ACK27	559	Agency Qualifier Code Code identifying the agency assigning the code values.	C ID 2/2
ACK28	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier.	C AN 1/15
ACK29	1271	Industry Code Code indicating a code from a specific industry code list See External Code Source 507 in Section III for reference document. See External Code Source 508 in Section III for reference document.	C AN 1/20

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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 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	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual MF Manufacturer of Goods	M	ID	2/2
N102	93	Name Free-form name.	C	AN	1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). NOT USED BY PIDX	C	ID	1/2
N104	67	Identification Code Code identifying a party or other code. NOT USED BY PIDX	C	AN	2/17

**A PIDX CONVENTION FOR
 ELECTRONIC DATA INTERCHANGE**

Segment: N2 Additional Name Information

Level: Detail

Loop: PO1/N1

Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Data Element Summary

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

**A PIDX CONVENTION FOR
 ELECTRONIC DATA INTERCHANGE**

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

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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. See External Code Source 22 in Section III for reference document. Refer to PIDX 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). See External Code Source 51 in Section III for reference document.	O ID 3/9
N404	26	Country Code Code identifying the country. See External Code Source 5 in Section III for reference document. Refer to PIDX Bulletin D12A. Refer to Code Source 51 in Appendix A for applicable code values. For Canadian Postal Codes: National Philatelic Centre 75 ST NINIAN ST Suite 100 ANIGONISH NS B2G 2R8 Canada E-mail: service@mailposte.ca 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	1125
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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	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	M AN 1/11
SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/11
SLN03	661	Configuration Code Code indicating the relationship of the subline item to the baseline item.	M ID 1/1
SLN04	380	Quantity Numeric value of quantity.	M R 1/15
SLN05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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

SLN28	234	Product/Service ID Identifying number for a product or service.	C AN	1130
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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	Item Description Type Code indicating the format of a description. F Free-form	M	ID	1/1
PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic NOT USED BY PIDX	O	ID	2/3
PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values. NOT USED BY PIDX	C	ID	2/2
PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic. NOT USED BY PIDX	C	AN	1/12
PID05	352	Description A free-form description to clarify the related data elements and their content. RECOMMENDED FOR USE BY PIDX	C	AN	1/80
PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described. NOT USED BY PIDX	O	ID	2/2
PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier. NOT USED BY PIDX	O	AN	1/15

PIDOS	1073	Yes/No Condition or Response Code	O	ID	111
		Code indicating a Yes or No condition or response.			
		NOT USED BY PIDX			

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	Line Item Status Code Code specifying the action taken by the seller on a line item requested by the buyer.	M	ID	2/2
ACK02	380	Quantity Numeric value of quantity.	O	R	1/15
ACK03	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2
ACK04	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	O	ID	3/3
ACK05	373	Date Date (YYMMDD).	C	DT	6/6

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ACK06	326	Request Reference Number 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	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK08	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK10	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK12	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK14	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK15	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK16	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK17	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK18	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK19	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK20	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK21	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK22	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK23	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK24	234	Product/Service ID Identifying number for a product or service.	C AN	1/30
ACK25	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID	2/2
ACK26	234	Product/Service ID Identifying number for a product or service.	C AN	1/30

ACK27	559	Agency Qualifier Code Code identifying the agency assigning the code values.	C	ID	2/2
ACK28	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier.	C	AN	1/15
ACK29	1271	Industry Code Code indicating a code from a specific industry code list	C	AN	1/20
See External Code Source 507 in Section III for reference document.					
See External Code Source 508 in Section III for reference document.					

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	Number of Line Items Total number of line items in the transaction set.	M NO 1/6
CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the leftmost digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. <u>18.01</u> Fourth occurrence of value being hashed. 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
		NOT USED BY PIDX	
CTT03	81	Weight Numeric value of weight.	O R 1/10
		NOT USED BY PIDX	
CTT04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2
		NOT USED BY PIDX	
CTT05	183	Volume Value of volumetric measure.	O R 1/8
		NOT USED BY PIDX	
CTT06	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C ID 2/2
		NOT USED BY PIDX	
CTT07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
		NOT USED BY PIDX	

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 ELECTRONIC DATA INTERCHANGE**

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		
AMT01	522	Amount Qualifier Code Code to qualify amount TT Total Transaction Amount	M	ID	1/2
AMT02	782	Monetary Amount Monetary amount.	M	R	1/15

**A PIDX CONVENTION FOR
ELECTRONIC DATA INTERCHANGE**

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