Johnson Controls
Power Solutions Division

EDI Implementation Guide For Direct and Third Party Suppliers v1.3

850 Purchase Order
Version 004010

Johnson Controls
2/18/2014

REVISIONS

Date Effective: 21/04/2014
Specification Version: 1.3

Date Effective	LOOP	SEGMENT	ELEMENT	CHANGE
02/14/2014		ISA	06	Added JCIPSMX – ID for Mexico
02/14/2014		GS	02	Added JCIPSMX – ID for Mexico
02/14/2014		BEG	01	Added qualifier 01 - Cancellation
02/14/2014		PER		Added segment
02/14/2014		N9		Added segment
02/14/2014	N9	MSG		Added segment
02/14/2014	N1	N4	04	Added element
02/14/2014	PO1	PO1	03	Added qualifier PC - Piece
02/14/2014	PO1	MSG		Added segment
04/21/2014	N1	N1	01	Added qualifiers: BT - Bill-To SO - Sold-To
04/21/2014		REF	01	Added qualifiers: CO - Customer Order Number DP - Department Number OQ - Order Number ST - Store Number
04/21/2014		PER	01	Added qualifiers: RE - Receiving
04/21/2014	PO1	PO1	14	Product Service ID VN - Customer Item Number
04/21/2014	PO1	PO1	15	Product Service ID

850 Purchase Order

Introduction:

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

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M		ISA	Interchange Control Header	M	1		
M		GS	Functional Group Header	M	1		

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	005	ISA	Interchange Control Header	M	1		
M	015	GS	Functional Group Header	M	1		
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
	050	REF	Reference Identification	O	>1		
	060	PER	Administrative Communications Contact	O	3		
	150	DTM	Date/Time Reference	O	10		
			LOOP ID - N9			1000	
	295	N9	Reference Identification	O	1		
	300	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
	310	N1	Name	O	1		
	330	N3	Address Information	O	2		
	340	N4	Geographic Location	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	010	PO1	Baseline Item Data	M	1		n1
	210	DTM	Date/Time Reference	O	10		
	289	MSG	Message Text	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n2
M	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. 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.

	Segment:		**ISA** **Interchange Control Header**		

Segment: **ISA** Interchange Control Header
Position: 005
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:
Business Rules: Variable Name: ISA1
Notes: EXAMPLES:
ISA*00* *00* *QLF*SENDER ID *QLF*RECEIVER ID *050404*0840*U*00401*000004145*1*P*>

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ISA01	I01	**Authorization Information Qualifier**	**M**	**ID 2/2**

Code to identify the type of information in the Authorization Information

    00   No Authorization Information Present (No Meaningful Information in I02)

M	ISA02	I02	**Authorization Information**	**M**	**AN 10/10**

Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

Blanks

M	ISA03	I03	**Security Information Qualifier**	**M**	**ID 2/2**

Code to identify the type of information in the Security Information

    00   No Security Information Present (No Meaningful Information in I04)

	ISA04	I04	**Security Information**	**O**	**AN 10/10**

This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

Blanks

M	ISA05	I05	**Interchange ID Qualifier**	**M**	**ID 2/2**

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

    ZZ   Mutually Defined

M	ISA06	I06	**Interchange Sender ID**	**M**	**AN 15/15**

Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

"JCIPSUS" for JCI USA
"JCIPSMX" for JCI Mexico

M	ISA07	I05	**Interchange ID Qualifier**	**M**	**ID 2/2**

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Supplier Preference:
Supplier ID Qualifier

Refer to 004010 Data Element Dictionary for acceptable code values.

M	ISA08	I07	**Interchange Receiver ID**	**M**	**AN 15/15**

Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

Supplier Preference:
Supplier Identification

M	ISA09	I08	**Interchange Date**	M	**DT 6/6**
			Date of the interchange		
			CCYYMMDD		
M	ISA10	I09	**Interchange Time**	M	**TM 4/4**
			Time of the interchange		
M	ISA11	I10	**Interchange Control Standards Identifier**	M	**ID 1/1**

Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

"U"

Refer to 004010 Data Element Dictionary for acceptable code values.

| M | ISA12 | I11 | **Interchange Control Version Number** | M | **ID 5/5** |

This version number covers the interchange control segments

| 00401 | Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 |

| M | ISA13 | I12 | **Interchange Control Number** | M | **N0 9/9** |

A control number assigned by the interchange sender

Identical to the IEA02 Control #

| M | ISA14 | I13 | **Acknowledgment Requested** | M | **ID 1/1** |

Code sent by the sender to request an interchange acknowledgment (TA1)

"1" for Ack Requested

Refer to 004010 Data Element Dictionary for acceptable code values.

| M | ISA15 | I14 | **Usage Indicator** | M | **ID 1/1** |

Code to indicate whether data enclosed by this interchange envelope is test, production or information

"T" for Test "P" for Prod

Refer to 004010 Data Element Dictionary for acceptable code values.

| M | ISA16 | I15 | **Component Element Separator** | M | **AN 1/1** |

Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

> (hex '6E')

Segment:	**GS** Functional Group Header	
Position:	015	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of a functional group and to provide control information	
Syntax Notes:		
Semantic Notes:	1 GS04 is the group date.	
	2 GS05 is the group time.	
	3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.	
Comments:	1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.	
Business Rules:	Variable Name: GSSG	
Notes:	Example:	
	GS*xx*SENDER ID*RECEIVER ID*20050405*0939*15617*X*004010	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	GS01	479	**Functional Identifier Code**	**M ID 2/2**
			Code identifying a group of application related transaction sets	
			PO Purchase Order (850)	
M	GS02	142	**Application Sender's Code**	**M AN 2/15**
			Code identifying party sending transmission; codes agreed to by trading partners	
			JCIPSUS for JCI USA	
			JCIPSMX for JCI Mexico	
M	GS03	124	**Application Receiver's Code**	**M AN 2/15**
			Code identifying party receiving transmission; codes agreed to by trading partners	
			Trading Partner ID	
M	GS04	373	**Date**	**M DT 8/8**
			Date expressed as CCYYMMDD	
M	GS05	337	**Time**	**M TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
M	GS06	28	**Group Control Number**	**M N0 1/9**
			Assigned number originated and maintained by the sender	
			Must match the Data Interchange Control Number contained in the GE02 segment.	
M	GS07	455	**Responsible Agency Code**	**M ID 1/2**
			Code used in conjunction with Data Element 480 to identify the issuer of the standard	
			X Accredited Standards Committee X12	
M	GS08	480	**Version / Release / Industry Identifier Code**	**M AN 1/12**
			Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed	
			004010 Draft Standards Approved for Publication by ASC X12	

Segment:		**ST** Transaction Set Header			

Segment: **ST** Transaction Set Header

Position: 010

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: 1   The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

Business Rules:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			850 Purchase Order		
M	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		

				Segment:	**BEG** Beginning Segment for Purchase Order
				Position:	020
				Loop:	
				Level:	Heading
				Usage:	Mandatory
				Max Use:	1
				Purpose:	To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates
				Syntax Notes:	
				Semantic Notes:	1 BEG05 is the date assigned by the purchaser to purchase order.
				Comments:	
				Notes:	Example: BEG*00*NE*217674**20100530

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	BEG01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
			01 Cancellation		
M	BEG02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			NE New Order		
M	BEG03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			This is the JCI's PO Number		
M	BEG05	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			This is the PO create date		

Segment: **REF** Reference Identification

Position:	050
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	Example: REF*VR*10000012

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

CO	Customer Order Number	
	3rd Party Supplier Only	
DP	Department Number	
	Customers dept number, 3rd Party Supplier Only	
OQ	Order Number	
	Qualifies a code that identifies the authorizing documentation for a household goods.	
	JCI´s Sales Order Number, 3rd Party Supplier Only	
ST	Store Number	
	Customer´s store number, 3rd Party Supplier Only	
VR	Vendor ID Number	
	JCI Supplier Number assigned to Direct Supplier	
	JCI´s supplier number for their customer in the case of 3rd Party Order	

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

			Segment:	**PER** Administrative Communications Contact
			Position:	060
			Loop:	
			Level:	Heading
			Usage:	Optional
			Max Use:	3
			Purpose:	To identify a person or office to whom administrative communications should be directed
			Syntax Notes:	**1** If either PER03 or PER04 is present, then the other is required.
				2 If either PER05 or PER06 is present, then the other is required.
				3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:
Notes: Example: PER*BC*RODRIGO NUNEZ*TE*528183299770

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**PER01**	**366**	**Contact Function Code**	**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			BD Buyer Name or Department		
			For Standard Orders this will be JCI Buyer Contact		
			For 3rd Party Orders This will be Sold-To Contact		
			RE Receiver		
			For 3rd Party Orders This will be Ship-To Contact		
	PER02	**93**	**Name**	**O**	**AN 1/60**
			Free-form name		
	PER03	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
			TE Telephone		
	PER04	**364**	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		

			Segment:	**DTM** Date/Time Reference		

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
             2   If DTM04 is present, then DTM03 is required.
             3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Example: DTM*002*20100530

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**

<table>
<tr><td>**M**</td><td>**DTM01**</td><td>**374**</td><td>**Date/Time Qualifier**</td><td>**M**</td><td>**ID 3/3**</td></tr>
<tr><td></td><td></td><td></td><td>Code specifying type of date or time, or both date and time</td><td></td><td></td></tr>
<tr><td></td><td></td><td></td><td>Required Date</td><td></td><td></td></tr>
<tr><td></td><td></td><td>002</td><td>Delivery Requested</td><td></td><td></td></tr>
<tr><td></td><td>**DTM02**</td><td>**373**</td><td>**Date**</td><td>**X**</td><td>**DT 8/8**</td></tr>
<tr><td></td><td></td><td></td><td>Date expressed as CCYYMMDD</td><td></td><td></td></tr>
</table>

Segment:	**N9** Reference Identification			
Position:	295			
Loop:	N9 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	1			
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier			
Syntax Notes:	1	At least one of N902 or N903 is required.		
	2	If N906 is present, then N905 is required.		
	3	If either C04003 or C04004 is present, then the other is required.		
	4	If either C04005 or C04006 is present, then the other is required.		
Semantic Notes:	1	N906 reflects the time zone which the time reflects.		
	2	N907 contains data relating to the value cited in N902.		
Comments:				
Notes:	Example: N9*ZZ*PO Text Header			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier**	**M ID 2/3**
			Code qualifying the Reference Identification	
			ZZ Mutually Defined	
	N903	**369**	**Free-form Description**	**X AN 1/45**
			Allways "PO Text Header"	

Segment:	**MSG** Message Text			
Position:	300			
Loop:	N9 Optional			
Level:	Heading			
Usage:	Optional			
Max Use:	1000			
Purpose:	To provide a free-form format that allows the transmission of text information			
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.			
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.			
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.			
	2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.			
Notes:	Example: MSG*Please Contact Buyer for further Delivery instructions			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**MSG01**	**933**	**Free-Form Message Text**	**M AN 1/264**
			Free-form message text for PO	

Segment:	**N1** Name
Position:	310
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 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.
	2 N105 and N106 further define the type of entity in N101.
Notes:	Example: N1*ST*Johnson Controls*92*919

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

BT	Bill-To 3rd Party Supplier Only
SO	Sold-To If Different from Bill-To 3rd Party Supplier Only
ST	Ship To
SU	Supplier/ Manufacturer

	Ref. Des.	Data Element	Name	Attributes	
	N102	93	**Name**	X	AN 1/60

Free-form name

	Ref. Des.	Data Element	Name	Attributes	
	N103	66	**Identification Code Qualifier**	X	ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

92	Assigned by Buyer or Buyer's Agent

	Ref. Des.	Data Element	Name	Attributes	
	N104	67	**Identification Code**	X	AN 2/80

Code identifying a party or other code

For N101 = "ST" N104 is the Johnson Controls Ordering Plant or DC
In the case of 3rd Party Orders, this is the Customer Ship-To Location/ Store Number

Segment: # N3 Address Information
Position: 330
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Example: N3*2640 EAST 45TH STREET

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N301	166	**Address Information**	M	AN 1/55
			Address information		
	N302	166	**Address Information**	O	AN 1/55
			Address information		

Segment: # N4 Geographic Location

Position:	340
Loop:	N1　　Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1　If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1　A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2　N402 is required only if city name (N401) is in the U.S. or Canada.
Notes:	Example: N4*LOS ANGELES*CA*90058*US

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	19	**City Name**	O	AN 2/30
		Free-form text for city name		
N402	156	**State or Province Code**	O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	**Postal Code**	O	ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
N404	26	**Country Code**	O	ID 2/3
		Code identifying the country		
		CA - Canada		
		MX - Mexico		
		US - USA		
N405	309	**Location Qualifier**	O	AN 2/30
		Code identifying type of location		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
		3rd Party Supplier Only		
N406	310	**Location Identifier**	O	ID 2/2
		Code which identifies a specific location		
		3rd Party Supplier Only		

Segment:	**PO1** Baseline Item Data
Position:	010
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data

Syntax Notes:	**1**	If PO103 is present, then PO102 is required.
	2	If PO105 is present, then PO104 is required.
	3	If either PO106 or PO107 is present, then the other is required.
	4	If either PO108 or PO109 is present, then the other is required.
	5	If either PO110 or PO111 is present, then the other is required.
	6	If either PO112 or PO113 is present, then the other is required.
	7	If either PO114 or PO115 is present, then the other is required.
	8	If either PO116 or PO117 is present, then the other is required.
	9	If either PO118 or PO119 is present, then the other is required.
	10	If either PO120 or PO121 is present, then the other is required.
	11	If either PO122 or PO123 is present, then the other is required.
	12	If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:	**1**	See the Data Element Dictionary for a complete list of IDs.
	2	PO101 is the line item identification.
	3	PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Example:
PO1*9*450000*LB***BP*08010904*VP*GTX14FAJ***PD*Oxide

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

	2W	Bin
		Storage container used as a unit of measurement
	BX	Box
	CA	Case
	CT	Carton
	DB	Dry Pounds
	DT	Dry Ton
	EA	Each
	FO	Fluid Ounce
	FT	Foot
	GA	Gallon
	GM	Grams per Sq. Meter
	KG	Kilogram
	LB	Pound
	LR	Layer(s)
	LT	Liter
	PC	Piece
	PL	Pallet/Unit Load
	RL	Roll

			SH	Sheet	
			UN	Base Unit	
			WB	Wet Pound	
			WE	Wetton	

>> **PO106** 235 **Product/Service ID Qualifier** **X** **ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

JCI's Part number

    BP   Buyer's Part Number

>> **PO107** 234 **Product/Service ID** **X** **AN 1/48**

Identifying number for a product or service

PO108 235 **Product/Service ID Qualifier** **X** **ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Supplier Part Number

    VP   Vendor's (Seller's) Part Number
For 3rd Party This is Customer Part Number

PO109 234 **Product/Service ID** **X** **AN 1/48**

Identifying number for a product or service

PO110 235 **Product/Service ID Qualifier** **X** **ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Customers UPC code

    UP   U.P.C. Consumer Package Code (1-5-5-1)

PO111 234 **Product/Service ID** **X** **AN 1/48**

Identifying number for a product or service

PO112 235 **Product/Service ID Qualifier** **X** **ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

    PD   Part Number Description

PO113 234 **Product/Service ID** **X** **AN 1/48**

Identifying number for a product or service

PO114 235 **Product/Service ID Qualifier** **X** **ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

For 3rd Party Supplier Only

    VN   Customer Item Number

PO115 **Product/Service ID** **X** **AN 1/48**

Identifying number for a product or service

For 3rd Party Supplier Only

				Segment:	**DTM** Date/Time Reference

Segment: **DTM** Date/Time Reference
Position: 210
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
2   If DTM04 is present, then DTM03 is required.
3   If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Examples: DTM*002*20100530*230059*CT or
DTM*002*20100530

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			002 Delivery Requested		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
	DTM03	337	**Time**	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMMSS		
	DTM04	623	**Time Code**	O	ID 2/2
			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		
			CT Central Time		
			ET Eastern Time		
			MT Mountain Time		
			PT Pacific Time		

Segment:		**MSG** Message Text			
Position:		289			
Loop:		PO1	Mandatory		
Level:		Detail			
Usage:		Optional			
Max Use:		>1			
Purpose:		To provide a free-form format that allows the transmission of text information			
Syntax Notes:		1	If MSG03 is present, then MSG02 is required.		
Semantic Notes:		1	MSG03 is the number of lines to advance before printing.		
Comments:		1	MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.		
		2	If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.		
Notes:		Example: MSG*Item text			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	MSG01	933	**Free-Form Message Text**	M AN 1/264
			Free-form message text	

Segment: **CTT** Transaction Totals
Position: 010
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1   If either CTT03 or CTT04 is present, then the other is required.
             2   If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: Example: CTT*5

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M **CTT01**	**354**	**Number of Line Items**	**M** **N0 1/6**
		Total number of line items in the transaction set	

Segment: **SE** **Transaction Set Trailer**
Position: 030
Loop:
Level: Summary
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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	**M**	**N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	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		