Wal-Mart Stores, Inc.

Electronic Data Interchange Implementation Guideline ANSI X12 Version 5010 (VICS)

5 0 1 0

850 Purchase Order

Business Usage:

Custom Contact Lens Orders

EDI Direction: From Wal-Mart

Implementation Guide Version 1.0 Published November 2004 Last Changed February 2005

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850 Purchase Order - Wal-Mart Stores, Inc. Introduction

The 850 Optical Purchase Order is used to transmit purchase orders for made-to-order contact lenses. This document varies from other purchase orders in that it provides information specifically related to contact lenses. In addition, information that does not relate to contact lens purchase orders, but does relate to other types of orders does not appear in this guide. As a result, this guide is to be used for made to order contact lenses only. It should not be used for any other type of purchase order.

Functional Acknowledgment

A *Functional Acknowledgment*, VICS/EDI transaction set 997 must be sent within 24 hours of receipt of originating transmission to acknowledge receipt of the 850 transmission or to notify Wal-Mart Stores, Inc. of format or syntax errors.

Business Changes

GTIN Support

To support our growing company, Wal-Mart Stores, Inc. will be incorporating the following business changes into this 4030 upgrade.

Support for the Global Trade Item Number (GTIN) has been added in version 5010. The GTIN will be sent in the PO1 Segment and the SLN Segment (where applicable), and will be preceded by a "UK" qualifier. All GTIN's will be sent using the UCC-14 format (Right Justified and zero padded to 13 characters, plus 1 check digit at the end). This will ensure that the GTIN is a globally unique number. In the Purchase Order, the GTIN that will be sent will correspond to the ordering quantity unit of measure. The Item UPC Code will continue to be sent in version 5010 as well. It will continue to be sent in the UCC-13 format.

Pack/Inner Pack Usage:

The PO4 Segment is used to transmit information about the packaging of the product being ordered. Two levels of packaging may be specified. PO401 (Data Element 356) is used to transmit the Pack, and PO414 (Data Element 810) is used to transmit the Inner Pack if needed. There may be two levels of packing in the PO4. The first level, specified using PO401 - Pack, may be actual items, e.g., consumer units, or may be the number of smaller containers within the case. The second level, specified using PO414, is the number of eaches in each inner container when PO401 is the number of smaller containers within the case. PO414 will only be used when inner packs are actually present.

Payment Terms Based on an Effective Date

When the payment terms specified are based on an effective date, there will be a code of "7" in the ITD03 data element. There will also be a DTM segment sent with "007" in the DTM01 element. If the Payment Terms in the ITD segment are not based on an effective date, there will be no DTM01 with "007" sent.

Cross Dock Orders

All Wal-Mart purchase orders for made to order contact lenses are cross dock orders. In a cross dock order, merchandise is shipped to a distribution center, but the store location that the merchandise is ultimately destined for has already been predetermined and the merchandise is to be labeled with the identification number of the store location. **NOTE: Cross dock orders are not to be shipped directly to the stores.**

In order to transmit the necessary information in the purchase order, the following segments will be used:

- There will be an N1 segment with a "ST" qualifier in the N101 element to transmit the Ship To information.
- There will be an N1 segment with a "BT" qualifier in the N101 element to transmit the Bill To information.
- There will be an SDQ segment for each line item in the order, containing the identification of the ultimate store location(s).

Service, Promotion, Allowance, or Charge Code Usage

The following table shows the Wal-Mart internal Allowance Codes vs. the corresponding X12 Codes:

Wal-Mart Code	Wal-Mart Code Description	X12 Code	X12 Code Description
AA	Advertising Allowance	A260	Advertising Allowance
CB	Central Buy	B000	Central Buy
TR	TV/Radio Media Allowance	B720	Cooperative Advertising/ Merchandis ing Allowance (Performance)
SD	Soft Goods Defective Allow	C000	Defective Allowance
WC	VC Wholesale Club Allowance C310 Discount		Discount
DA	Display/Endcap Allowance	C320	Display Allowance
EB	Early Buy Allowance	C540	Early Buy Allowance
FG	Free Goods	D170	Free Goods
FA	Freight Allowance	D240	Freight
HA	Handling Allowance	D500	Handling
ND	New Distribution Center	E720	New Distribution Allowance
NW	New Distribution Center	E720	New Distribution Allowance
SA	New Store/Club Discount – Detail Level	E740	New Store Allowance
OL	New Store/Club Discount – Header Level	E750	New Store Discount
BH	Backhaul Allowance	F330	Pick-up and Delivery
PM	Price Marketing	F670	Price and Marketing Allowance
PA	Promotional Allowance	F800	Promotional Allowance
QD	Warehouse Distribution Allow – Order Type 33 Only	F910	Quantity Discount
PR	Purchase Rebate	F970	Rebate
SB	Special Buy	H010	Special Buy
TL	Truckload Allowance	I310	Truckload Discount
DM	Defective/Returned Merchandise Allowance	I410	Unsaleable Merchandise Allowance
VD	Volume Discount	1530	Volume Discount
WA	Warehouse Allowance	I570	Warehouse

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850 Purchase Order – Wal-Mart Stores, Inc. Implementation (Optical)

Functional Group ID= \mathbf{PO}

Heading:

М	Pos. <u>No.</u> 0100	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
М	0200	BEG	Beginning Segment for Purchase Order M		1		
	0400	CUR	Currency	0	1		
	0500	REF	Reference Information - Department Number	0	>1		
	0500	REF	Reference Information - Order Type	0	>1		
	0500	REF	Reference Information - Event Code	0	>1		
	0500	REF	Reference Information - Vendor Number	Ο	>1		
	0800	FOB	F.O.B. Related Instructions	0	>1		
			LOOP ID - SAC			25	
	1200	SAC	Service, Promotion, Allowance, or Ch arge Information	0	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	0	>1		
	1500	DTM	Date/Time Reference - Cancel After	0	10		
	1500	DTM	Date/Time Reference - Delivery Requested	0	10		
	1500	DTM	Date/Time Reference - Effective Date	0	10		
	1500	DTM	Date/Time Reference - Requested Ship	0	10		
	1500	DTM	Date/Time Reference - Ship Not Before	0	10		
	1500	DTM	Date/Time Reference - Ship No Later	0	10		
	1500	DTM	Date/Time Reference - Do Not Deliver After	0	10		
	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	sit O >1			
			LOOP ID - N9			1000	
	2950	N9	Extended Reference Information	0	1		
	3000	MTX	Text	0	>1		
			LOOP ID - N1			200	
	3100	N1	Party Identification - Ship To	0	1		
			LOOP ID - N1			200	
	3100	N1	Party Identification - Bill To	0	1		
			LOOP ID - N1			200	
	3100	N1	Party Identification - Supplier Identification	0	1		
			LOOP ID - N1			200	
	3100	N1	Party Identification - Wal-Mart Store Identification	0	1		
	3300	N3	Party Location	Ο	2		
	3400	N4	Geographic Location	0	>1		
	3600	PER	Administrative Communications Contact	0	>1		

Detail:

Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u> LOOP ID - PO1		Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u> 100000	Notes and <u>Comments</u>

0100	PO1	Baseline Item Data	М	1		n1
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Base Curve	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Diameter	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Sphere	0	1	1000	
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Cylinder	0	1	1000	
0600	MEA	Measurements	0	10		
0000	101273			10	1000	
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Axis Degree	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Add Power	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Color	0	1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Trial Indicator	0	1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Dot in Eye	0	1	1000	
		LOOP ID - PID	-		1000	
0500	DID		0		1000	
0500	PID	Product/Item Description - Right Eye/Left Eye	0	1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Lens Type	0	1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Curve 1	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Degree 1	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Curve 2	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Degree 2	0	1	1000	
0500	MEA	Measurements	0	10		
5000			-	••	1000	
0500	סים	LOOP ID - PID	0	1	1000	
0500 0600	PID MEA	Product/Item Description - Vertex Measurements	0	1 10		
0000	MEA		0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Optical Zone	0	1		
	1.0					

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0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Thickness	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Truncation	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Segment Height	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Secondary Curves	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Peripheral Curves	0	1		
0600	MEA	Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Lenticular Optical	0	1		
0600	MEA	Zone Measurements	0	10		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Segment Height Measured After Truncation	0	1		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description - Prism	0	1		
0600	MEA	Measurements	0	10		
1000	REF	Reference Information	0	>1		
		LOOP ID - SAC	-		25	
1300	SAC	Service, Promotion, Allowance, or Charge Information	0	1		
1900	SDQ	Destination Quantity	0	500		
		LOOP ID - N9			1000	
3300	N9	Extended Reference Information - Store Number	0	1		
		LOOP ID - N9			1000	
3300	N9	Extended Reference Information - Notes	0	1		
3400	MTX	Text	0	>1		
		LOOP ID - AMT			>1	
6000	AMT	Monetary Amount Information	0	1		

Summary:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	0	1		n2
	0200	AMT	Monetary Amount Information	0	1		n3
М	0300	SE	Transaction Set Trailer	М	1		

EDI TRANSMISSION DATA	EXPLANATION
ST*850*0001	850 is the Transaction Set Identifier Code for the
	Purchase Order Transaction Set.
	0001 is the Transaction Set Control Number.
BEG*00*SA*2401266136**20041111	00 is the Transaction Set Purpose Code. The "00"
	indicates "Original".
	SA is the Purchase Order Type Code. "SA" indicates
	"Stand-Alone Order".
	2401266136 is the Purchase Order Number.
	20041111 is the Purchase Order Date.
CUR*BY*USD	BY is the Entity Identifier Code . "BY" indicates "Buying
	Party (Purchaser)".
	USD is the Currency Code . "USD" indicates "U.S.
DEE+DD+00040	Dollars".
REF*DP*00049	DP is the Reference Identification Qualifier . "DP"
	indicates "Department Number". 00049 is the Reference Identification .
REF*LU*305290000	
KEF ~ LU ~ 303290000	LU is the Reference Identification Qualifier . "LU" indicates "Location Number".
	305290000 is the Reference Identification .
REF*MR*0073	MR is the Reference Identification Qualifier. "MR"
KEF MR 0075	indicates "Merchandise Type Code".
	0073 is the Reference Identification .
REF*PD*QUICK RESP	PD is the Reference Identification Qualifier. "PD"
	indicates "Promotion/Deal Number".
	QUICK RESP is the Description
REF*IA*027623496	IA is the Reference Identification Qualifier . "IA"
KHT IN 027023490	indicates "Internal Vendor Number".
	027623496 is the Reference Identification and represents
	the Wal-Mart assigned Vendor Number.
FOB*PP*OR*LYNCHBURG VA	PP is the Shipment Method of Payment . "PP" indicates
	"Prepaid (by Seller)".
	OR is the Location Identifier . "OR" indicates "Origin
	(Shipping Point)".
	LYNCHBURG VA is the Description and represents the
	Name of transportation responsibility location.
ITD*08*15*2**15**30	08 is the Terms Type Code. "08" indicates "Basic
	Discount Offered".
	15 is the Terms Basis Date Code . "15" indicates "Receipt
	of Goods".
	2 is the Terms Discount Percent . "2" indicates a 2%
	discount if an invoice is paid on or before the terms discount
	due date.
	15 is the Terms Discount Days Due . The discount will
	apply if an invoice is paid on or before the 15 th day after the Receipt of Goods.
	30 is the Terms Net Days . The Invoice will be due 30 days
	after the Receipt of Goods.
DTM*001*20041118	001 is the Date/Time Qualifier . "001" Indicates "Cancel
	After".
	20041118 is the Date .
DTM*010*20041111	010 is the Date/Time Qualifier . "010" Indicates
	"Requested Ship".
	20041111 is the Date.

Wal-Mart Business Example – Optical (Cross-Dock) Order

TD5*O****VEND	O is the Routing Sequence Code . "O" indicates "Origin
	Carrier (Air, Motor, or Ocean)".
	VEND is the Routing .
N9*L1*SPECIAL INSTRUCTIONS	L1 is the Reference Identification Qualifier. "L1"
NY HI SPECIAL INSTRUCTIONS	represents "Letters or Notes".
	SPECIAL INSTRUCTIONS is the Reference
	Identification . This will always contain the literal "Special
	Instructions".
MTX**NO PRETICKET	NO PRETICKET is the Free-Form Message Text .
N1*ST*WAL-MART OPTICAL DC	ST is the Entity Identifier Code . "ST" indicates "Ship-
7054*UL*0078742039541	To".
/034-01-00/8/42039341	WAL-MART OPTICAL DC 7054 is the Name.
	UL is the Identification Code Qualifier . "UL" indicates a
	UCC/EAN Location (GLN).
	0078742039541 is the Identification Code.
N1*BT*WAL-MART STORES, INC.*UL*0078742039541	BT is the Entity Identifier Code . "BT" indicates "Bill-To".
INC. * 0L* 00/8/42039541	WAL-MART STORES, INC. is the Name.
	UL is the Identification Code Qualifier . "UL" indicates a
	UCC/EAN Location (GLN).
	0078742039541 is the Identification Code.
N1*SU*SUPPLIER NAME	SU is the Entity Identifier Code. "SU" indicates
	"Supplier/Manufacturer".
	SUPPLIER NAME is the Name.
PO1*001*1*EA*27*LE*IN*004956920*UP*78581	001 is the Assignment Identification . It contains the PO
0686339*VN*012588*BO*VISI*IZ*14.5*	Line Number.
UK*07858106863394	1 is the Quantity Ordered.
	EA is the Unit or Basis for Measurement Code. "EA"
	indicates "Eaches".
	27 is the Unit Price . This indicates the price of 150.00.
	LE is the Basis of Unit Price Code . LE indicates "Catalog
	Price per Each".
	IN is the Product/Service ID Qualifier . "IN" indicates
	"Buyer's Item Number".
	004956920 is the Product/Service ID.
	UP is the Product/Service ID Qualifier . "UP" indicates
	"U.P.C. Consumer Package Code (1-5-5-1)".
	785810686339 is the Product/Service ID.
	VN is the Product/Service ID Qualifier . "VN" indicates
	"Vendor (Seller's) Item Number.".
	012588 is the Product/Service ID.
	BO is the Product/Service ID Qualifier . "BO" indicates
	"Color".
	VISI is the Product/Service ID .
	IZ is the Product/Service ID Qualifier . "IZ" indicates
	"Size".
	14.5 is the Product/Service ID.
	UK is the Product/Service ID Qualifier. "UK" indicates
	"GTIN 14-digit Data Structure".
	07858106863394 is the GTIN formatted in 14-digit
	structure.
PID*S**AB*OP03CLENBC	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENBC is the Product Description Code .
	This value can be understood as follows:
	OP – Optical
	03 – Structured Description/Measurement (04 – Free Form
	•• Stractured Description/medsurement (0+ 110010111

	Description)
	CLEN – Contact Lens
	BC – Measurement Abbreviation. Base Curve in this case.
MEA*OD**8.8	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	8.8 is the Measurement Value.
PID*S**AB*OP03CLENDI	s is the Item Description Type. "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLEND1 is the Product Description Code
VD1+0D++14 F	(Diameter).
MEA*OD**14.5	OD is the Measurement Reference ID Code . "OD" indicates "Ordered Dimensions".
	14.5 is the Measurement Value.
PID*S**AB*OP03CLENSP	S is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENSP is the Product Description Code . (Sphere)
MEA*OD*****1.25	OD is the Measurement Reference ID Code. "OD"
	indicates "Ordered Dimensions".
	1.25 is the Range Maximum In this type of
	measurement, a value in MEA05 (Range Minimum)
	indicates a negative value (or zero), while a value in
	MEA06 (Range Maximum) indicates a positive value.
	This value was in MEA06 so it is positive.
PID*S**AB*OP03CLENCL	s is the Item Description Type . "S" indicates "Structured (From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENCL is the Product Description Code.
	(Cylinder)
MEA*OD****0	OD is the Measurement Reference ID Code. "OD"
	indicates "Ordered Dimensions".
	0 is the Range Minimum
PID*S**AB*OP03CLENAD	s is the Item Description Type. "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENAD is the Product Description Code . (Axis
MEA*OD**0	Degree) OD is the Measurement Reference ID Code. "OD"
MEA®OD®®O	indicates "Ordered Dimensions".
	0 is the Measurement Value.
PID*S**AB*OP03CLENAP	S is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OPO3CLENAP is the Product Description Code . (Add
	Power)
MEA*OD**0	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value .
PID*X**AB*OP04CLENCO*VISI	x is the Item Description Type . "X" indicates "Semi -
	Structured (Code and Text)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".

	OP04CLENCO is the Product Description Code . (Add
	Power)
	VISI is the Description .
PID*S**AB*OP03CLENTI****N	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)". AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENTI is the Product Description Code . (Trial
	Indicator)
	N is the Yes/No Condition or Response Code. "N"
	indicates No.
PID*X**AB*OP04CLENLT*SL MULTIFOCAL LOW	x is the Item Description Type . "X" indicates "Semi -
	Structured (Code and Text)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP04CLENLT is the Product Description Code . (Lens
	Type)
	SL MULTIFOCAL LOW is the Description.
PID*X**AB*OP04CLENEI*R	x is the Item Description Type . "X" indicates "Semi-
	Structured (Code and Text)". AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP04CLENEI is the Product Description Code . (Lens
	Type)
	R is the Description .
PID*S**AB*OP03CLENC1	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code. "AB" indicates
	"Assigned by Buyer".
	OP03CLENC1 is the Product Description Code . (Curve 1)
MEA*OD**0	OD is the Measurement Reference ID Code. "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value.
PID*S**AB*OP03CLEND1	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)". AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLEND1 is the Product Description Code. (Degree
MEA*OD**0	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value .
PID*S**AB*OP03CLENC2	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENC2 is the Product Description Code . (Curve 2)
MEA*OD**0	OD is the Measurement Reference ID Code. "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value.
PID*S**AB*OP03CLEND2	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates "Assigned by Buyer".
	OP03CLEND2 is the Product Description Code. (Degree
	2)
MEA*OD**0	OD is the Measurement Reference ID Code. "OD"

	0 is the Measurement Value .
PID*S**AB*OP03CLENVT	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code. "AB" indicates
	"Assigned by Buyer".
	OP03CLENVT is the Product Description Code . (Vertex)
MEA*OD**0	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value .
PID*S**AB*OP03CLENOZ	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENOZ is the Product Description Code . (Optical
MEA*OD**0	Zone) OD is the Measurement Reference ID Code. "OD"
MER*OD**0	indicates "Ordered Dimensions".
	0 is the Measurement Value .
PID*S**AB*OP03CLENTK	s is the Item Description Type . "S" indicates "Structured
FID 5 AD OF USCHEMIK	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENTK is the Product Description Code .
	(Thickness)
MEA*OD**0	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value .
PID*S**AB*OP03CLENTR	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENTR is the Product Description Code.
	(Truncation)
MEA*OD**0	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	o is the Measurement Value .
PID*S**AB*OP03CLENSH	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code Lis t)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENSH is the Product Description Code . (Segment
	Height)
MEA*OD**0	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value.
PID*S**AB*OP03CLENSC	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)". AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENSC is the Product Description Code.
	(Secondary Curvea)
MEA*OD**0	OD is the Measurement Reference ID Code. "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value .
PID*S**AB*OP03CLENPC	s is the Item Description Type . "S" indicates "Structured
TTP 5 AD OF03CHENEC	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
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	OP03CLENPC is the Product Description Code.
	(Peripheral Curves)
MEA*OD**0	OD is the Measurement Reference ID Code . "OD"
	indicates "Ordered Dimensions".
	o is the Measurement Value .
PID*S**AB*OP03CLENLZ	S is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code . "AB" indicates
	"Assigned by Buyer".
	OP03CLENLZ is the Product Description Code .
	(Lenticular Optical Zone)
MEA*OD**0	OD is the Measurement Reference ID Code. "OD"
	indicates "Ordered Dimensions".
	o is the Measurement Value .
PID*S**AB*OP03CLENST****N	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code. "AB" indicates
	"Assigned by Buyer".
	OP03CLENST is the Product Description Code . (Segment
	Height After Truncation)
	N is the Yes/No Condition or Response Code. "N"
	indicates No.
PID*S**AB*OP03CLENPM	s is the Item Description Type . "S" indicates "Structured
	(From Industry Code List)".
	AB is the Agency Qualifier Code. "AB" indicates
	"Assigned by Buyer".
	OP03CLENPM is the Prism. (Segment Height After
	Truncation)
MEA*OD**0	OD is the Measurement Reference ID Code. "OD"
	indicates "Ordered Dimensions".
	0 is the Measurement Value .
PO4*1	1 is the Pack . In this example, it represents the number of
	packs to a case.
REF*CR*001035695	CR is the Reference Identification Qualifier. "CR"
	indicates "Customer Reference".
	001035695 is the Description
SDQ*EA*UL*0078742000039*1	EA is the Unit of Basis for Measurement Code. "EA"
	indicates "Each".
	UL is the Identification Code Qualifier . "UL" indicates
	"UCC/EAN Location Code."
	0078742000039 is the Identification Code.
	1 is the Quantity.
AMT*1*27	1 is the Amount Qualifier Code. "1" Indicates "Line Item
	Total".
	27 is the Monetary Amount.
CTT*1	1 is the Number of Line Items
011 1	TT is the Amount Qualifier Code. "TT" indicates "Total
AMT*TT*27	11 Is the Amount Quannet Couc. 11 Indicates 10tal
	Transaction Amount".
	Transaction Amount".
	Transaction Amount". 27 is the Monetary Amount.
AMT*TT*27	Transaction Amount".

Segment:	ST т	ransaction Set Header		
Position:	0100			
Loop: Level:	Heading			
Usage:	Mandato	rv		
Max Use:	1	- 5		
Purpose:	To indica	ate the start of a transaction set and to assign a control num	ber	
Syntax Notes:				
Semantic Notes: Comments:	inter selec 2 The of th mate	transaction set identifier (ST01) is used by the translation r rchange partners to select the appropriate transaction set def cts the Invoice Transaction Set). implementation convention reference (ST03) is used by the re interchange partners to select the appropriate implementation the transaction set definition. When used, this implement rence takes precedence over the implementation reference s Data Element Summary	finition (e., e translatic ation conve ntation con	g., 810 on routines ention to vention
Ref.	Data	Data Element Summary		
Des.	<u>Element</u>	Name	Att	ributes
ST01	143	Transaction Set Identifier Code	M	1 ID 3/3
		Code uniquely identifying a Transaction Set		
		850 Purchase Order		
ST02	329	Transaction Set Control Number	Μ	1 AN 4/9
		Identifying control number that must be unique within the functional group assigned by the originator for a transacti The number is sequentially assigned by the sender, sta within each functional group. For each functional grou transaction set control number will be 0001 and increa- each additional transaction set within the group.	on set arting with up, the fir mented by	t one st v one for
ST03	1705	Implementation Convention Reference	0	1 AN 1/35

Reference assigned to identify Implementation Convention

М

М

BEG Beginning Segment for Purchase Order

Segment:	${f BEG}$ Beginning Segment for Purchase Order
Position:	0200
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:	If BEG02 contains code RL, then BEG04 is required. BEG03 contains the purchase
	order number which is being released against and BEG04 contains the release
	number.
	Booking Purchase Order Description - original order sent to the supplier to
	<u>manufacture / produce goods.</u>
	Allocation Purchase Order Description - Once the goods have been produced from
	the Booking Order then the allocation order is sent to relay distribution
	information.
	If BEG02 contains BE, then the Booking Purchase Order is being sent in BEG03.
	If BEG02 contains RL, then the Booking Purchase Order is being sent in BEG03
	and the Allocation Purchase Order is being sent in BEG04.

Data Element	Summary
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			Data	Liement Summary			
	Ref.	Data					
	Des.	<u>Element</u>	<u>Name</u>			ribut	
Μ	BEG01	353		Set Purpose Code	Μ	1	ID 2/2
				ying purpose of transaction set			
			Normally thi	is qualifier is used for parallel testing EI	<u> DI versions.</u>		
			00	Original			
			22	Information Copy			
				This code is used to notify anyon	e other that	n the	
				seller about this order.			
Μ	BEG02	92		der Type Code	Μ	1	ID 2/2
				ing the type of Purchase Order			
			This code wi	ill be used for the booking purchase orde	<u>er.</u>		
			SA	Stand-alone Order			
Μ	BEG03	324		der Number	Μ		AN 1/22
			Identifying n	umber for Purchase Order assigned by the	orderer/purc	chaser	•
			Retailer's or	iginal purchase order number			
	BEG04	328	Release Num	ber	0	1	AN 1/30
				tifying a release against a Purchase Order	· previously	placed	d by
			· ·	volved in the transaction			
				lease against the purchase order, if used			
Μ	BEG05	373	Date		Μ		DT 8/8
			*	ed as CCYYMMDD where CC represents	the first two	digits	of
			the calendar				
	DECOC	267		iginal purchase order date	0	7	AN 1/20
	BEG06	367	Contract Nu		0	1	AN 1/30
			Contract num				
	BEG07	587	Acknowledg		0	1	ID 2/2
			Code specify	ing the type of acknowledgment			
	BEG08	1019	Invoice Type	Code	0	1	ID 3/3
			Code definin	g the method by which invoices are to be p	rocessed		
	BEG09	1166	Contract Typ	pe Code	0	1	ID 2/2
850 Optio	cal (005010)		Wal-Ma	art Confidential		15	

		Code identifying a contract type		
BEG10	1232	Purchase Category	0	1 ID 2/2
		Code identifying the broad category of products or service.	s being a	cquired
BEG11	786	Security Level Code	0	1 ID 2/2
		Code indicating the level of confidentiality assigned by the information following	sender t	o the
BEG12	640	Transaction Type Code	0	1 ID 2/2
		Code specifying the type of transaction		

Segment: CUR Current

Segment:	
Position:	0400
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	1 If CUR08 is present, then CUR07 is required.
	2 If CUR09 is present, then CUR07 is required.
	3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
	4 If CUR11 is present, then CUR10 is required.
	5 If CUR12 is present, then CUR10 is required.
	6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
	7 If CUR14 is present, then CUR13 is required.
	8 If CUR15 is present, then CUR13 is required.
	9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
	10 If CUR17 is present, then CUR16 is required.
	11 If CUR18 is present, then CUR16 is required.
	12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
	13 If CUR20 is present, then CUR19 is required.
	14 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	1 See Figures Appendix for examples detailing the use of the CUR segment.

	Ref.	Data	Data Elei	nent Summary		
	Des.	Element	Name		Att	ributes
Μ	CUR01	<u>98</u>	Entity Identifier	Code	M	1 ID 2/3
1,1	CCROI			n organizational entity, a physical location		
			individual			-
			All PO's are deno	ominated in the currency of the buying c	ompan	<u>y.</u>
			BY	Buying Party (Purchaser)		
Μ	CUR02	100	Currency Code		Μ	1 ID 3/3
				O) for country in whose currency the char	ges are	specified
			ARS	Argentine Peso		
			BRL	Brazilian Real		
			CAD	Canadian Dollar		
			CNY	Chinese Yuan Renminbi		
			EUR	Euro [EAN Code]		
			GBP	Great British Pound Sterling		
			MXN	Mexican Peso		
			USD	U.S. Dollars		
	CUR03	280	Exchange Rate		0	1 R 4/10
			Value to be used a	s a multiplier conversion factor to conver	t monet	ary value
			from one currency			
	CUR04	98	Entity Identifier C		0	1 ID 2/3
				n organizational entity, a physical locatio	n, prop	erty or an
	CUR05	100	individual Currency Code		0	1 ID 3/3
	COROS	100	2	(O) for a constant in order on a company on the share	-	
	CUDOC	660		O) for country in whose currency the char Each analy Code		- ·
	CUR06	669	Currency Market/	ő	0	1 ID 3/3
	CLID 07	27.4		he market upon which the currency exchan	-	
	CUR07	374	Date/Time Qualifi		X	1 ID 3/3
				pe of date or time, or both date and time		
	CUR08	373	Date		0	1 DT 8/8
850 Optic	al (005010)		Wal-Mart Co	nfidential		17

		Date expressed as CCYYMMDD where CC represents the fin calendar year	st two	digits	s of the
CUR09	337	Time	0	1	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSSD, or HHMMSSDD, where $H =$ hours (00-23), M S = integer seconds (00-59) and DD = decimal seconds; dec expressed as follows: D = tenths (0-9) and DD = hundredths	= minu imal se	tes (l cond	00-59),
CUR10	374	Date/Time Qualifier	X		ID 3/3
		Code specifying type of date or time, or both date and time			
CUR11	373	Date	X	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the fin calendar year		-	
CUR12	337	Time	X		TM 4/8
CUR13	374	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSSD, or HHMMSSDD, where $H = hours$ (00-23), M S = integer seconds (00-59) and $DD = decimal seconds; decexpressed as follows: D = tenths (0-9) and DD = hundredthsDate/Time Qualifier$	= minu imal se	tes ((cond 9)	00-59),
		Code specifying type of date or time, or both date and time			
CUR14	373	Date	X	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the fin calendar year	st two	digits	s of the
CUR15	337	Time	X	1	TM 4/8
CUR16	374	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSSD, or HHMMSSDD, where $H = hours$ (00-23), M S = integer seconds (00-59) and $DD = decimal seconds; decexpressed as follows: D = tenths (0-9) and DD = hundredthsDate/Time Qualifier$	= minu imal se	tes ((cond 9)	00-59),
		Code specifying type of date or time, or both date and time			
CUR17	373	Date	X	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the fin calendar year	st two	digits	s of the
CUR18	337	Time	X	1	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSSD, or HHMMSSDD, where $H = hours (00-23)$, M S = integer seconds (00-59) and DD = decimal seconds; decexpressed as follows: $D = tenths (0-9)$ and $DD = hundredths$	= minu simal se	tes ((econa Ə)	00-59), ls are
CUR19	374	Date/Time Qualifier	X	1	ID 3/3
a		Code specifying type of date or time, or both date and time		_	
CUR20	373	Date	X		DT 8/8
		Date expressed as CCYYMMDD where CC represents the fir calendar year			•
CUR21	337	Time	X		TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSSD, or HHMMSSDD, where $H =$ hours (00-23), M S = integer seconds (00-59) and $DD =$ decimal seconds; dec expressed as follows: $D =$ tenths (0-9) and $DD =$ hundredths	= minu imal se	tes (l cond	00-59),

REF Reference Information - Department Number

Segment:	Kelerence information - Department Number
Position:	0500
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:	-

When REF01 contains code PG, REF02 is used to specify the alphanumeric description of the product group or selling zone required on the shipping label. The maximum length is 18 characters. See UCC6 Appl ication Standard for Shipping Container Codes for specific guidance.

This instance of the REF Segment will contain the Wal-Mart Department Number.

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	Name	A ++	ributes
<u>DCS.</u> REF01	128	Reference Identification Qualifier	M	1 ID 2/3
		Code qualifying the Reference Identification		/
		DP Department Number		
		This code may be used in the hea detail area, but not both.		the
REF02	127	Reference Identification	Х	1 AN 1/50
REF03	352	Reference information as defined for a particular Transa specified by the Reference Identification Qualifier <i>Description</i>	action Set or	as 1 AN 1/80
		A free -form description to clarify the related data eleme		
REF04	<i>C040</i>	Reference Identifier	0	1
(EI 07	0010	To identify one or more reference numbers or identificat	Ũ	
C04001	128	specified by the Reference Qualifier Reference Identification Qualifier	М	ID 2/3
		Code qualifying the Reference Identification		
04002	127	Reference Identification	М	AN 1/50
C04003	128	Reference information as defined for a particular Trans specified by the Reference Identification Qualifier Reference Identification Qualifier	action Set o X	r as ID 2/3
		Code qualifying the Reference Identification		
C04004	127	Reference Identification	X	AN 1/50
		Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set of	r as
C04005	128	Reference Identification Qualifier	X	ID 2/3
		Code qualifying the Reference Identification		
C04006	127	Reference Identification	X	AN 1/50
		<i>Reference information as defined for a particular Trans specified by the Reference Identification Qualifier</i>	action Set of	r as

Segment.

Notes:

REF Reference Information - Order Type

Segment:	REF Reference Information - Order Type
Position:	0500
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:	This instance of the REF Segment will contain the Wal-Mart Order Type code.

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>	<u>Att</u>	ribu	<u>tes</u>
Μ	REF01	128	Reference Identification Qualifier	Μ	1	ID 2/3
			Code qualifying the Reference Identification			
			MR Merchandise Type Code			
	REF02	127	Reference Identification	Х	1	AN 1/50
			Reference information as defined for a particular Transa specified by the Reference Identification Qualifier	ction Set or	as	
	REF03	352	Description	X	1	AN 1/80
			A free-form description to clarify the related data element	nts and thei	r con	tent
	REF04	C040	Reference Identifier	0	1	
			To identify one or more reference numbers or identificant	tion number	s as	
	C04001	128	specified by the Reference Qualifier Reference Identification Qualifier	М		ID 2/3
			Code qualifying the Reference Identification			
	<i>C04002</i>	127	Reference Identification	М		AN 1/50
			Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set o	r as	
	C04003	128	Reference Identification Qualifier	X		ID 2/3
			Code qualifying the Reference Identification			
	<i>C04004</i>	127	Reference Identification	X		AN 1/50
			Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set o	r as	
	<i>C04005</i>	128	Reference Identification Qualifier	X		ID 2/3
			Code qualifying the Reference Identification			
	<i>C04006</i>	127	Reference Identification	X		AN 1/50
			Reference information as defined for a particular Transference information as defined for a particular Transference Identification Qualifier	action Set o	r as	

REF Reference Information - Event Code

Segment:	REF Reference Information - Event Code
Position:	0500
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:	-

This instance of the REF Segment will contain the Wal-Mart Promotion Event Code.

Data Element Summary

Ref.	Data	Data Element Summary			
Des.	Element	Name		ribu	
REF01	128	Reference Identification Qualifier	Μ	1	ID 2/3
		Code qualifying the Reference Identification			
		PD Promotion/Deal Number			
REF02	127	Reference Identification	Х	_	AN 1/50
		Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion Set or	r as	
REF03	352	Description	X	1	AN 1/80
		A free-form description to clarify the related data element.	s and thei	r con	tent
REF04	C040	Reference Identifier	0	1	
		To identify one or more reference numbers or identification specified by the Reference Qualifier		rs as	
C04001	128	Reference Identification Qualifier	М		ID 2/3
		Code qualifying the Reference Identification			
<i>C04002</i>	127	Reference Identification	M		AN 1/50
		Reference information as defined for a particular Transac specified by the Reference Identification Qualifier		r as	
<i>C04003</i>	128	Reference Identification Qualifier	X		ID 2/3
		Code qualifying the Reference Identification			
<i>C04004</i>	127	Reference Identification	X		AN 1/50
		Reference information as defined for a particular Transac specified by the Reference Identification Qualifier	tion Set o	r as	
<i>C04005</i>	128	Reference Identification Qualifier	X		ID 2/3
		Code qualifying the Reference Identification			
<i>C04006</i>	127	Reference Identification	X		AN 1/50
		Reference information as defined for a particular Transac specified by the Reference Identification Qualifier	tion Set o	er as	

Notes:

REF Reference Information - Vendor Number

Segment:	REF Reference Information - Vendor Number
Position:	0500
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.
Commenter	

Comments: Notes:

This instance of the REF Segment will contain the supplier's nine-digit Wal-Mart Vendor Number.

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		ributes	
Μ	REF01	128	Reference Identification Qualifier	Μ	1 ID 2/	3
			Code qualifying the Reference Identification			
			IA Internal Vendor Number			
			Identification number assigned to the	ie vendo	r, by the	
			retailer, for use within the retailer's	system		
	REF02	127	Reference Identification	Х	1 AN 1	/50
			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier	on Set o	r as	
	REF03	352	Description	X	1 AN 1/	/80
			A free-form description to clarify the related data elements	and the	r content	
	REF04	C040	Reference Identifier	0	1	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	ı number	rs as	
	C04001	128	Reference Identification Qualifier	М	ID 2/.	3
			Code qualifying the Reference Identification			
	<i>C04002</i>	127	Reference Identification	М	AN 1/	/50
			<i>Reference information as defined for a particular Transact specified by the Reference Identification Qualifier</i>	ion Set c	or as	
	<i>C04003</i>	128	Reference Identification Qualifier	X	ID 2/.	3
			Code qualifying the Reference Identification			
	C04004	127	Reference Identification	X	AN 1/	/50
			<i>Reference information as defined for a particular Transact specified by the Reference Identification Qualifier</i>	ion Set c	er as	
	C04005	128	Reference Identification Qualifier	X	ID 2/.	3
			Code qualifying the Reference Identification			
	C04006	127	Reference Identification	X	AN 1/	/50
			<i>Reference information as defined for a particular Transact specified by the Reference Identification Qualifier</i>	ion Set c	or as	

FOR FOR Related Instructions

Segment:	FOB F.O.B. Related Instructions
Position:	0800
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify transportation instructions relating to shipment
Syntax Notes:	1 If FOB03 is present, then FOB02 is required.
	2 If FOB04 is present, then FOB05 is required.
	3 If FOB07 is present, then FOB06 is required.
	4 If FOB08 is present, then FOB09 is required.
Semantic Notes:	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.

Comments:

			Data El	cilicit Sullimary			
	Ref. Des.	Data <u>Element</u>	<u>Name</u>		Attı	ribu	tes
Μ	FOB01	146	Shipment Meth	od of Payment	Μ	1	ID 2/2
				g payment terms for transportation charges			
			CC	Collect			
			PP	Prepaid (by Seller)			
	FOB02	309	Location Qualif	ïer	X	1	ID 1/2
			Code identifying	type of location			
			DE	Destination (Shipping)			
			OR	Origin (Shipping Point)			
	FOB03	352	Description		0	1	AN 1/80
			_	cription to clarify the related data elements a	and their	con	itent
				e of transportation responsibility location			
	FOB04	334		Terms Qualifier Code	0	1	ID 2/2
			Code identifying	the source of the transportation terms			
	FOB05	335	Transportation T	Terms Code	X	1	ID 3/3
			Code identifying	the trade terms which apply to the shipmen	t transp	orta	tion
			responsibility				
	FOB06	309	Location Qualifi	er	X	1	ID 1/2
			Code identifying	type of location			
	FOB07	352	Description		0	1	AN 1/80
			A free-form desc	ription to clarify the related data elements a	and their	cor	ntent
	FOB08	54	Risk of Loss Cod	le	0	1	ID 2/2
			Code specifying	where responsibility for risk of loss passes			
	FOB09	352	Description		X	1	AN 1/80
			A free-form desc	ription to clarify the related data elements a	und their	· cor	itent

Segment: SAC Service, Promotion, Allowance, or Charge Information

Segment:	SAC	Service, Pro	omotion, Allowance, or Charge Informatio	n
Position:	1200			
Loop:	SAC			
Level:	Heading			
Usage:	Optional			
Max Use: Purpose:] To reque	st or identify a	service, promotion, allowance, or charge; to	specify the amount
i ui pose.			rvice, promotion, allowance, or charge	specify the amount
Syntax Notes:			CO2 or SACO3 is required.	
e e			SAC04 is present, then the other is required.	
			SAC07 is present, then the other is required.	
			SAC10 is present, then the other is required.	
			t, then SAC10 is required.	
			t, then SAC13 is required. t, then SAC15 is required.	
Semantic Notes:			"C", then at least one of SAC05, SAC07, or	SAC08 is required.
			amount for the service, promotion, allowance	
			t with SAC07 or SAC08, then SAC05 takes	
			ance or charge rate per unit.	
			l is the quantity basis when the allowance or	charge quantity is
			purchase order or invoice quantity.	ah aguld ha a dallar
			l used together indicate a quantity range, whi licable to service, promotion, allowance, or c	
			onjunction with SAC02 or SAC04 to provide	
			ed by the code used.	
			onjunction with SAC13 to identify an option	when there is more
			the promotion.	
Commentar			dentify the language being used in SAC15.	-11
Comments:			d to uniquely identify the service, promotion, it may be used in conjunction with SAC03 t	
	SAC		, it may be used in conjunction with briceos (o further define
			pplications, it is necessary to advise the tradi	ng partner of the
			nt that a particular allowance, charge, or pro-	
			y. This amount is commonly referred to as "I	
		ount". It is repr ars in SAC09.	esented in the SAC segment in SAC10 using	the qualifier "DO" -
Notes:			for each Allowance, Charge, Service, or Pr	omotion being
			ent appears in the header area of the trans	
			ansaction set. If this segment appears in th	
			ta applies only to that line item. The data s	-
			ve of the data specified in the detail area; it	t is not the sum of
	the data	in the detail a	rea, i.e., allowances or charges.	
		Data	Element Summary	
Ref.	Data		·	
Des.	<u>Element</u>	<u>Name</u>		Attributes
M SAC01	248		r Charge Indicator	M 1 ID 1/1
			ndicates an allowance or charge for the servi	ce specified
		Α	Allowance	
		С	Charge	
SAC02	1300		motion, Allowance, or Charge Code	X 1 ID 4/4
		-	ying the service, promotion, allowance, or cha	arge
		A260	Advertising Allowance	
		B000	Central Buy	
		B010	Cents Off	
		B270	Collect Surcharge	
		B320	Competitive Allowance	
		B690	Controlled Atmosphere	
850 Optical (005010)		Wal-Ma	rt Confidential	24

D720	Cooperative Advertising/Merchandising Allowance
B720	(Performance)
B860	Customs Broker Fee
B870	Customs Charge
B940	Cutting Charge
B950	Damaged Merchandise
C000	Defective Allowance
C300	Discount - Special
C310	Discount
C320	Display Allowance
C490	Drum Deposit
C530	Duty Charge
C540	Early Buy Allowance
C550	Early Payment Allowance
C580	Emergency Service
D170	Free Goods
D240	Freight
D430	Gross Receipts Surcharge
D500	Handling
D870	Inspection
E720	New Distribution Allowance
E740	New Store Allowance
E750	New Store Discount
E760	New Warehouse Discount
F050	Other (See related description)
F180	Pallet
F210	Parish/County Sales Tax (only)
F330	Pickup and Delivery
F580	Preparation and Delivery
F670	Price and Marketing Allowance
F800	Promotional Allowance
F910	Quantity Discount
F920	Quantity Surcharge
F970	Rebate
G220	Refrigeration
G470	Restocking Charge
H010	Special Buy
H090	Special Handling
H420	Storage in Transit
H750	Tax - Sales Tax (State and Local)
H770	Tax - State Tax
H780	Tax - Super Fund Excise Tax
H910	Temperature Protection
H920	Temporary Allowance
I000	Testing
I170	Trade Discount
I310	Truckload Discount
I390	Unloading
I410	Unsaleable Merchandise Allowance
1530	Volume Discount
1570	Warehouse

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SAC03	559	Agency Qualifie Code identifyin	er Code g the agency assigning the code values	X	1	ID 2/2
SAC04	1301		Promotion, Allowance, or Charge Code	X	1	AN 1/10
5AC04	1501	Agency maintai	ned code identifying the service, promotion,			
SAC05	610	charge Amount		0	1	N2 1/15
SACUS	010	Monetary amou	nt	U	1	112 1/13
		When SAC01 c required. This receiver's syste allowances or c	contains code A or code C, then this data will resolve any differences between the s em calculations of amounts, i.e., rounding charges are expressed in percentages or r	ender's errors v ates.	and vhen	
SAC06	378		rge Percent Qualifier	Х	-	ID 1/1
		-	on what basis allowance or charge percent	is calcul	ated	
		6	Base Price Amount			
SAC07	332	Percent, Decim	al Format	Х	1	R 1/6
		100%)	a decimal format (e.g., 0.0 through 100.0 reports sent with a decimal point only when need			
			and 2% is sent as "2".	, e.g.,	1010	/015
SAC08	118	Rate		0	1	R 1/9
		Rate expressed	in the standard monetary denomination for	the curre	ncy	
SAC09	355		or Measurement Code	X	-	ID 2/2
			g the units in which a value is being express	ed, or ma	annei	r in
		CA which a measur	ement has been taken Case			
		EA				
G 4 G 1 0	200		Each	\$7	1	D 1/15
SAC10	380	Quantity	C	Х	I	R 1/15
		Numeric value				
		contain the qua	contains code D170, this data element is r antity of free goods. The unit of measure s used to indicate a specific quantity whic	is in SA	C09.	
		amount, that is	applicable to the service, promotion, allo	owance,	or cl	narge.
SAC11	380	Quantity		0	1	R 1/15
		Numeric value o	of quantity			
SAC12	331	Allowance or C	Charge Method of Handling Code	0	1	ID 2/2
		Code indicating	method of handling for an allowance or cha	arge		
		01	Bill Back			
			The allowance or charge amount wi as a separate item, i.e., a debit/credi separate invoice. The amount will no the invoice total amount.	t memo	or a	
		02	Off Invoice			
			The allowance or charge amount wi the total transaction amount, e.g., T Amount = Merchandise Price + Cha	otal Invo		d in
		02	Allowances. Vander Chack to Customer			
		03	Vendor Check to Customer			
			The vendor will issue a check direct customer of the retailer, or end cons allowance or charge amount. The a	sumer, fo nount is		e
		0.4	reflected in the total invoice amount	•		
		04	Credit Customer Account			
			The retailer's account will be credite amount of the allowance or charge.	The am		is
05010)		117_7 1 1 4	not reflected in the total invoice amo Confidential	ount.	26	
130101		wai-wart			/h	

SAC13	127	Reference Identification	X	1	AN 1/50
		Reference information as defined for a particular Transa	iction Set o	r as	
		specified by the Reference Identification Qualifier			
SAC14	770	Option Number	0	1	AN 1/20
		A unique number identifying available promotion or allo more than one is offered	owance opt	ions	when
SAC15	352	Description	X	1	AN 1/80
		A free-form description to clarify the related data elemen	nts and thei	r con	tent
SAC16	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a stand maintained by the International Standards Organization		ist	

ITD Terms of Sale/Deferred Terms of Sale

Segment:	ITD Terms of Sale/Deferred Terms of Sale
Position:	1300
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify terms of sale
Syntax Notes:	1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
	3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	1 ITD15 is the percentage applied to a base amount used to determine a late payment
~	charge.
Comments:	1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or
	ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	This segment may be used in the header area or the detail area, but not both.
	Many times, deferred terms are specified on the purchase order with only the
	knowledge that the terms are to be based on a date value which is not known, e.g.,
	invoice or delivery date. What is known is the percentage or dollar amount of each
	deferred installment, and the number of days after the date the terms are based on,
	that each installment will be due. In these cases, ITD01 will contain code 04,
	indicating deferred or installment terms, and ITD02 will contain the appropriate
	terms date basis code (most typically code 2 for Delivery Date, code 3 for Invoice
	Date, or code 15 for Receipt of Goods Date). ITD07 will contain the number of days often the terms begin date that this installment is due. ITD10 or ITD11 will be used
	after the terms basis date that this installment is due. ITD10 or ITD11 will be used
	to indicate a dollar amount (ITD10) for that installment or the percent (ITD11) for

that installment. Use one ITD segment for each installment. When specifying deferred terms and the exact terms basis date is known, e.g., invoice date, ITD09 should be used to specify the exact deferred or installment date.

Ref.	Data					
Des.	<u>Element</u>	<u>Name</u>		Att	ribu	tes
ITD01	336	Terms Type Code		0	1	ID 2/2
		Code identifying ty	pe of payment terms			
		02	End of Month (EOM)			
		05	Discount Not Applicable			
		08	Basic Discount Offered			
ITD02	333	Terms Basis Date	Code	0	1	ID 1/2
		Code identifying th	e beginning of the terms period			
		3	Invoice Date			
		7	Effective Date			
			The date is specified in the DTM segn header area using code 007 in DTM02		the	
		15	Receipt of Goods			
ITD03	338	Terms Discount P	ercent	0	1	R 1/6
			centage, expressed as a percent, available		ourch	naser if
			n or before the Terms Discount Due Date		10.	
			t with a decimal point only when neede l 2% is sent as "2".	a, e.g.,	10.5	0%0 IS
ITD04	370	Terms Discount Du	e Date	X	1	DT 8/8
			e if discount is to be earned expressed in j e CC represents the first two digits of the		ar y	ear
ITD05	351	Terms Discount D	ays Due	Х	1	N0 1/3
		Number of days in discount is earned	the terms discount period by which payme	ent is d	ue if	terms
			m period is derived by adding this value , as qualified by ITD02.	e to the	beg	inning
(005010)		Wal-Mart Con	, <u> </u>		28	

ITD06	446	Terms Net Due Date	0	1	DT 8/8
		Date when total invoice amount becomes due expressed in	format		
		CCYYMMDD where CC represents the first two digits of t	he calena	-	
ITD07	386	Terms Net Days	0	1	N0 1/3
		Number of days until total invoice amount is due (discount	t not appl	icabl	e)
		The end of the term period is derived by adding this va of the term period, as qualified by ITD02.	lue to the	e beg	inning
ITD08	362	Terms Discount Amount	0	1	N2 1/10
		Total amount of terms discount			
ITD09	388	Terms Deferred Due Date	0	1	DT 8/8
		Date deferred payment or percent of invoice payable is du format CCYYMMDD where CC represents the first two dig year			
ITD10	389	Deferred Amount Due	X	1	N2 1/10
		Deferred amount due for payment			
ITD11	342	Percent of Invoice Payable	X	1	R 1/5
		Amount of invoice payable expressed in percent			
ITD12	352	Description	0	1	AN 1/80
		A free-form description to clarify the related data element.	s and thei	r con	tent
ITD13	765	Day of Month	Χ		NO 1/2
		The numeric value of the day of the month between 1 and t the month being referenced	he maxin	ит с	lay of
ITD14	107	Payment Method Type Code	0	1	ID 1/2
		Code identifying type of payment procedures			
ITD15	954	Percentage as Decimal	0	1	R 1/10
		Percentage expressed as a decimal (e.g., 0.0 through 1.0 r through 100%)	epresents	s 0%	

DTM Date/Time Reference - Cancel After

Segment.	D L T L D ate /Time Kelerence - Cancer Arter
Position:	1500
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:

Segment.

This segment is used to specify order processing dates. <u>This instance of the DTM segment will cease to be used once a supplier begins to</u> <u>receive a ''Must Arrive By Date'' (MABD).</u>

Data Element Summary

Ref. <u>Des.</u> DTM01	Data <u>Element</u> 374	<u>Name</u> Date/Time Q Code specifyi	Pualifier ing type of date or time, or both date and time	<u>At</u> M	<u>tribu</u> 1	<u>ites</u> ID 3/3
		001	Cancel After			
			If the order has not been shipped by order is considered canceled	this da	te, th	ie
DTM02	373	Date		Х	1	DT 8/8
		Date exp resse the calendar y	ed as CCYYMMDD where CC represents the f	ïrst two	o digi	ts of
DTM03	337	Time		X	1	TM 4/8
DTM04	623	S = integer se	or HHMMSSDD, where $H =$ hours (00-23), M econds (00-59) and DD = decimal seconds; de follows: D = tenths (0-9) and DD = hundredth	cimal s	econo 9)	
		Organization indication in	ing the time. In accordance with International standard 8601, time can be specified by a + o hours in relation to Universal Time Coordinat ted character, + and - are substituted by P and	r - and e (UTC	an) time	
DTM05	1250	•	riod Format Qualifier	X	1	ID 2/3
		Code indicati	ng the date format, time format, or date and tim	me forn	ıat	
DTM06	1251	Date Time Pe	riod	X	1	AN 1/3
		Expression of	f a date, a time, or range of dates, times or date	es and t	imes	

М

DTM Date/Time Reference - Delivery Requested

Segment:	DTM Date/Time Reference - Delivery Requested
Position:	1500
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:

	Ref.	Data	Duta Elenent Stimmary			
	Des.	<u>Element</u>	<u>Name</u>	At	tribute	<u>es</u>
Μ	DTM01	374	Date/Time Qualifier	Μ	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			002 Delivery Requested			
	DTM02	373	Date	Х	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the the calendar year	first two	digits	of
	DTM03	337	Time	X	1	TM 4/8
	DTM04	623	Time expressed in 24-hour clock time as follows: HHMM, of HHMMSSD, or HHMMSSDD, where $H =$ hours (00-23), M S = integer seconds (00-59) and DD = decimal seconds; de expressed as follows: D = tenths (0-9) and DD = hundredth Time Code	! = minı cimal s	ites (00 econds 9)	0-59),
	D1M04	025		0		ID Z/Z
			Code identifying the time. In accordance with International Organization standard 8601, time can be specified by a + o indication in hours in relation to Universal Time Coordinan + is a restricted character, + and - are substituted by P and that follow	or - and e (UTC	an) time;	
	DTM05	1250	Date Time Period Format Qualifier	X	1.	ID 2/3
			Code indicating the date format, time format, or date and ti	me form	at	
	DTM06	1251	Date Time Period	X	1.	AN 1/35
			Expression of a date, a time, or range of dates, times or dat	es and t	imes	

DTM Date/Time Reference - Effective Date

Segment:	DTM Date/Time Reference - Effective Date
Position:	1500
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:

This segment will be sent only when ITD02 contains code '7'.

			Data E	Element Summary			
М	Ref. <u>Des.</u> DTM01	Data <u>Element</u> 374	<u>Name</u> Date/Time Qu	alifier g type of date or time, or both date and time	<u>At</u> M	<u>tribu</u> 1	<u>tes</u> ID 3/3
			007	Effective			
			007	For terms			
	DTM02	373	Date		X	1	DT 8/8
			Date expressed the calendar ye	as CCYYMMDD where CC represents the firear	rst two	digit	s of
	DTM03	337	Time		X	1	TM 4/8
	DTM04	623	HHMMSSD, or S = integer sec	I in 24-hour clock time as follows: HHMM, or r HHMMSSDD, where $H = hours (00-23)$, $M = conds (00-59)$ and $DD = decimal seconds; decollows: D = tenths (0-9) and DD = hundredths$	= minu imal se	ites (l econa 9)	00-59),
	DTM05	1250	Organization s indication in he + is a restricted that follow	ng the time. In accordance with International S tandard 8601, time can be specified by a + or ours in relation to Universal Time Coordinate d character, + and - are substituted by P and iod Format Qualifier	- and (UTC)	an) time he coo	
				g the date format, time format, or date and tim	ne form	ıat	
	DTM06	1251	Date Time Peri		X		AN 1/35
			Expression of a	a date, a time, or range of dates, times or dates	s and t	imes	

DTM Date/Time Reference - Requested Ship

Segment:	${f DTM}$ Date/Time Reference - Requested Ship
Position:	1500
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:

This instance of the DTM segment will cease to be used once a supplier begins to receive a "Must Arrive By Date" (MABD).

			Data Element Summary		
	Ref.	Data			
	Des.	Element	<u>Name</u>	At	tributes_
Μ	DTM01	374	Date/Time Qualifier	Μ	1 ID 3/3
			Code specifying type of date or time, or both date and time		
			010 Requested Ship		
	DTM02	373	Date	Х	1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the fit the calendar year	rst two	digits of
	DTM03	337	Time	X	1 TM 4/8
	DTM04	623	Time expressed in 24-hour clock time as follows: HHMM, or HHMMSSD, or HHMMSSDD, where $H =$ hours (00-23), M S = integer seconds (00-59) and DD = decimal seconds; dec expressed as follows: $D =$ tenths (0-9) and $DD =$ hundredth Time Code	= minu cimal se	ites (00-59), econds are
			Code identifying the time. In accordance with International Organization standard 8601, time can be specified by $a + onindication in hours in relation to Universal Time Coordinate+ is a restricted character, + and - are substituted by P andthat follow$	r - and e (UTC)	an) time; since
	DTM05	1250	Date Time Period Format Qualifier	X	1 ID 2/3
			Code indicating the date format, time format, or date and time	ne form	nat
	DTM06	1251	Date Time Period	X	1 AN 1/35
			Expression of a date, a time, or range of dates, times or date	s and t	imes

DTM Date/Time Reference - Ship Not Before

Segment:	${f DTM}$ Date/Time Reference - Ship Not Before					
Position:	1500					
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:

This instance of a DTM segment will be sent once a supplier starts receiving "Must Arrive By Date'' (MABD).

Μ	Ref. <u>Des.</u> DTM01	Data <u>Element</u> 374	<u>Name</u> Date/Time Quali	fier	<u>Att</u> M	<u>ribu</u> 1	<u>tes</u> ID 3/3
			Code specifying t	ype of date or time, or both date and time			
			037	Ship Not Before			
				If the retailer allows shipment before	the ree	quest	ted
				ship date, this is the earliest date ship	- 0		
	DTM02	373	Date		Х	1	DT 8/8
	DTM03	337	Date expressed as the calendar year Time	CCYYMMDD where CC represents the fi	rst two X	digit	
	DTM04	623	HHMMSSD, or H 59), $S = integer set$	24-hour clock time as follows: HHMM, of HMMSSDD, where $H = hours$ (00-23), M conds (00-59) and DD = decimal seconds ollows: D = tenths (0-9) and DD = hundred	= minu ; decim	ites (al sec -99)	00-
			Organization star indication in hour + is a restricted c that follow	he time. In accordance with International a dard 8601, time can be specified by a + or is in relation to Universal Time Coordinate haracter, + and - are substituted by P and	r - and e (UTC)	an time	
	DTM05	1250	Date Time Period	Format Qualifier	X	1	ID 2/3
			Code indicating the	he date format, time format, or date and tim	ne form	at	
	DTM06	1251	Date Time Period	,	X	1	AN 1/35
			Expression of a de	ate, a time, or range of dates, times or date	s and ti	mes	

DTM Date/Time Reference - Ship No Later

Segment:	${f DTM}$ Date/Time Reference - Ship No Later					
Position:	1500					
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:

This instance of a DTM segment will be sent once a supplier starts receiving "Must Arrive By Date'' (MABD).

	Ref.	Data				
	Des.	Element	<u>Name</u>	At	<u>tributes</u>	
Μ	DTM01	374	Date/Time Qualifier	Μ	1 ID 3/3	
			Code specifying type of date or time, or both date and time			
			038 Ship No Later			
	DTM02	373	Date	Х	1 DT 8/8	
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	DTM03	337	Time	X	1 TM 4/8	
	DTM04	623	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 $DD = decimal seconds; decimal seconds areexpressed as follows: D = tenths (0-9) and DD = hundredths (00-99)Time Code O 1 ID 2/2$			
			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			
	DTM05	1250	Date Time Period Format Qualifier	X	1 ID 2/3	
			Code indicating the date format, time format, or date and ti	me forn	ıat	
	DTM06	1251	Date Time Period	X	1 AN 1/35	
			Expression of a date, a time, or range of dates, times or dat	es and t	imes	

DTM Date/Time Reference - Do Not Deliver After

Segment:	${f DTM}$ Date/Time Reference - Do Not Deliver After					
Position:	1500					
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:

This instance of the DTM Segment will be used to transmit the "Must Arrive By Date" (MABD).

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>	Att	ributes	
Μ	DTM01	374	Date/Time Qualifier	Μ	1 ID 3/3	
			Code specifying type of date or time, or both date and time			
			063 Do Not Deliver After			
	DTM02	373	Date	Х	1 DT 8/8	
			Date expressed as CCYYMMDD where CC represents the fi the calendar year	rst two	digits of	
	DTM03	337	Time	Х	1 TM 4/8	
	DTM04	623	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) <i>Time Code</i> O 1 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			
	DTM05	1250	Date Time Period Format Qualifier	X	1 ID 2/3	
			Code indicating the date format, time format, or date and time format			
	DTM06	1251	Date Time Period	X	1 AN 1/35	
			Expression of a date, a time, or range of dates, times or dates	s and ti	imes	

TD5 Carrier Details (Routing Sequence/Transit Time)

Segment:	${f TD5}$ Carrier Details (Routing Sequence/Transit Time)					
Position:	2400					
Loop:						
Level:	Heading					
Usage:	Optional					
Max Use:	>1					
Purpose:	To specify the carrier and sequence of routing and provide transit time information					
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.					
	2 If TD502 is present, then TD503 is required.					
	3 If TD507 is present, then TD508 is required.					
	4 If TD510 is present, then TD511 is required.					
	5 If TD513 is present, then TD512 is required.					
	6 If TD514 is present, then TD513 is required.					
	7 If TD515 is present, then TD512 is required.					
Semantic Notes:	1 TD515 is the country where the service is to be performed.					
Comments:	1 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, and use TD503 to identify the actual					
	routing sequence, specified by the party identified in TD502.					
Notes:	This segment is used to specify every carrier in the routing sequence or a specific					
	routing sequence that has been previously identified (usually from a routing guide).					
	The segment can also be used to indicate estimated transit time in days. Only use					
	TD501 if needed for clarity; this is not a requirement in most retail applications.					
	When referring to a pre-established routing guide, use code 91 or 92 in TD502, and					
	identify the routing sequence, from the routing guide, in TD503. To identify a					
	specific private parcel service, TD502 will contain code 2, and TD503 will contain					
	the corresponding SCAC. TD510 and TD511 are used to specify transit time.					

Ref.	Data			
Des.	<u>Element</u>	<u>Name</u>	Att	<u>ributes</u>
TD501	133	Routing Sequence Code	0	1 ID 1/2
		Code describing the relationship of a carrier to a specific ship	pment n	novement
		O Origin Carrier (Air, Motor, or Ocean)		
TD502	66	Identification Code Qualifier	X	1 ID 1/2
		Code designating the system/method of code structure used j	or Ident	tification
		<i>Code</i> (67)		
TD503	67	Identification Code	X	1 AN 2/80
		Code identifying a party or other code		
TD504	91	Transportation Method/Type Code	X	1 ID 1/2
		Code specifying the method or type of transportation for the	shipme	nt
TD505	387	Routing	Х	1 AN 1/35
		Free-form description of the routing or requested routing for originating carrier's identity	shipme	nt, or the
TD506	368	Shipment/Order Status Code	X	1 ID 2/2
		Code indicating the status of an order or shipment or the dis difference between the quantity ordered and the quantity ship	•	0 2
TD507	309	item or transaction Location Qualifier	0	1 ID 1/2
12007	200	Code identifying type of location	U	
TD508	310	Location Identifier	X	1 AN 1/30
		Code which identifies a specific location		
TD509	731	Transit Direction Code	0	1 ID 2/2
		The point of origin and point of direction		
TD510	732	Transit Time Direction Qualifier	0	1 ID 2/2
		Code specifying the value of time used to measure the transit	t time	

TD511	733	Transit Time	X	1	R 1/4
		The numeric amount of transit time			
TD512	284	Service Level Code	X	1	ID 2/2
		Code indicating the level of transportation service or the bill	ing servi	ice	offered
		by the transportation carrier			
TD513	284	Service Level Code	X	1	ID 2/2
		Code indicating the level of transportation service or the bill	ing servi	ice	offered
		by the transportation carrier			
TD514	284	Service Level Code	0	1	ID 2/2
		Code indicating the level of transportation service or the bill	ing servi	ice	offered
		by the transportation carrier			
TD515	26	Country Code	0	1	ID 2/3
		Code identifying the country			

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes:	2950 N9 Heading Optional 1 To transu 1 At le 2 If N 3 If eiu	nit identifying information as specified by the Reference east one of N902 or N903 is required. 906 is present, then N905 is required. ther C04003 or C04004 is present, then the other is required.	red.	n Qu	alifier
Semantic Notes:	1 N90	ther C04005 or C04006 is present, then the other is requir 6 reflects the time zone which the time reflects. 7 contains data relating to the value cited in N902.	red.		
Comments:	- 100	Data Element Summary			
Ref.	Data	Duta Diement Summary			
<u>Des.</u> N901	Element 128	<u>Name</u> Reference Identification Qualifier Code qualifying the Reference Identification	<u>Attı</u> M		<u>tes</u> ID 2/3
		L1 Letters or Notes			
N902	127	Reference Identification	Х	1	AN 1/50
		Reference information as defined for a particular Trans specified by the Reference Identification Qualifier <u>This will always contain the literal, "Special Instruc</u>			
N903	369	Free-form Description	X	1	AN 1/45
		Free-form descriptive text			
N904	373	Date	0	1	DT 8/8
N905	337	Date expressed as CCYYMMDD where CC represents t calendar year Time	X	1	s of the TM 4/8
N906	623	Time expressed in 24-hour clock time as follows: HHMM, HHMMSSD, or HHMMSSDD, where $H =$ hours (00-23), 1 integer seconds (00-59) and DD = decimal seconds; decin expressed as follows: D = tenths (0-9) and DD = hundred Time Code Code identifying the time. In accordance with International Organization standard 8601, time can be specified by a + hours in relation to Universal Time Coordinate (UTC) time	M = minutes (nal seconds an ths (00-99) O al Standards or - and an in he; since + is o	00-5 re 1 dica	ID 2/2 tion in
N007	C040	character, + and - are substituted by P and M in the codes		1	
N907	<i>C040</i>	Reference Identifier To identify one or more reference numbers or identifica specified by the Reference Qualifier		l s as	
<i>C04001</i>	128	Reference Identification Qualifier Code qualifying the Reference Identification	М		ID 2/3
<i>C04002</i>	127	Reference Identification	М		AN 1/50
004002	12/	Reference information as defined for a particular Transac by the Reference Identification Qualifier		spec	
<i>C04003</i>	128	Reference Identification Qualifier Code qualifying the Reference Identification	X		ID 2/3
<i>C04004</i>	127	Reference Identification	X		AN 1/50
		Reference information as defined for a particular Transac by the Reference Identification Qualifier	tion Set or as	spe	
<i>C04005</i>	128	Reference Identification Qualifier	X		ID 2/3
C0400C	107	Code qualifying the Reference Identification	v		AN 1/50
<i>C</i> 04006	127	Reference Identification Reference information as defined for a particular Transac by the Reference Identification Qualifier	X tion Set or as	spee	AN 1/50 cified

Segment: MTX Text

Segment:	IVI I A Text
Position:	3000
Loop:	N9
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05
	is required.
Notes:	This segment will contain any text clauses for the agreement referenced in the
	previous N9 segment.

Ref.	Data				
Des.	<u>Element</u>	<u>Name</u>	<u>Attr</u>	ibu	tes
MTX01	363	Note Reference Code	0	1	ID 3/3
		Code identifying the functional area or purpose for which the	e note ap	opli	es
MTX02	1551	Textual Data	Х	1	AN 1/4096
		To transmit large volumes of message text			
		Wal-Mart will send no more than 80 characters in a single	e instan	ce	
MTX03	1551	Textual Data	0	1	AN 1/4096
		To transmit large volumes of message text			
MTX04	934	Printer Carriage Control Code	X	1	ID 2/2
		A field to be used for the control of the line feed of the receiv	ing prin	ter	
MTX05	1470	Number	0	1	NO 1/9
		A generic number			
MTX06	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (ISO		t	

S	egment:	N1 P	arty Identification -	· Ship To	
Р	Position:	3100		-	
	Loop:	N1			
	Level:	Heading			
м	Usage: lax Use:	Optional 1			
	urpose:	-	fy a party by type of	organization, name, and code	
	x Notes:		east one of N102 or N		
a		2 If eit	her N103 or N104 is	s present, then the other is required.	
Semantio Con	c Notes: nments:	orga: prov	nizational identificat ide a key to the table	e, provides the most efficient method of pro- cion. To obtain this efficiency the "ID Code e maintained by the transaction processing lefine the type of entity in N101.	e" (N104) must
	Notes:			tify the retailer's locations as they perta	in to the order.
		detail ar N103 and for direct In some receiver will cont contain of For spre destinati ship-to lo CAUTIO segment(goods for ST, may ship to th segment(For direct	ea, but not both. d N104 are required et-to-consumer when EDI implementatio of the transaction s ain code FR. To idd code TO. adsheet orders, the fons. When necessar ocation. Only one it DN, this will overrid (s). For example, wh r cross docking, ond be used to indicate nat is normally asso (s).	code ST) may be identified in the header d except when N101 contains code CT, L n N101 contains code ST. ns, it may be necessary to identify the se et. To identify the sender of the transact entify the receiver of the transaction set, SDQ segment identifies the retailer's ul- ry, the N1 segment may be used to identifier eration of each of the bill-to or ship-to is le every bill to or ship to for every location en the buyer is instructing the supplier e iteration of the N1 segment, with N101 the ship-to location. The ship-to location ociated with the locations identified in the ers, there must be at least one occurrence	25, MA or OB, or ender and/or tion set, N101 N101 will timate ify the bill-to or s allowed. on in the SDQ to package containing code n overrides the he SDQ
		When th	e ship to (N101 con	iler (N101 contains code BT or SN). tains code ST) is the end consumer (cust	tomer of
		retailer),	, N103 and N104 ar	e not required.	
				purchase order contains multiple ship-t used to identify the shipto locations.	to locations, the
			Data Elem	nent Summary	
	Ref.	Data Flomont	Nomo		Attuihatas
Μ	<u>Des.</u> N101	<u>Element</u> 98	<u>Name</u> Entity Identifier C	ode	<u>Attributes</u> M 1 ID 2/3
171	11101	20		n organizational entity, a physical location	
			individual ST	Ship To	
	N102	93	Name	L	X 1 AN 1/60
			Free-form name		
	N103	66	Identification Cod	le Qualifier	X 1 ID 1/2
				he system/method of code structure used for Global Location Number (GLN)	or Identification
850 Optical (00)	5010)		Wal Mart Con		41

Wal-Mart Confidential

		legal, functional or ph Code Council (UCC)	digit code for the identification of a hysical location within the Uniform and International Article Number
		Association (EAN) nu This is the 13-digit (Imbering system Global Location Number (GLN).
N104	67	Identification Code	X 1 AN 2/80
		Code identifying a party or other code	
		This is the location code as defined by N formal number, e.g., DUNS, or it may be seller. The location refers to a store, war etc. Location codes are used to alleviate to and addresses.	e assigned by either the buyer or ehouse, distribution center, plant,
N105	706	Entity Relationship Code Code describing entity relationship	O 1 ID 2/2
N106	98	Entity Identifier Code Code identifying an organizational entity, individual	<i>O 1 ID 2/3</i> a physical location, property or an

N1 Party Identification - Bill To

Segment:	N1 Party Identification - Bill To
Position:	3100
Loop:	N1
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

2	N105	and N	106	further	define	the typ	pe of o	entity i	n N	10	1.
---	------	-------	-----	---------	--------	---------	---------	----------	-----	----	----

	Ref.	Data	Data Elenio	ent Summary			
	Des.	Element	Name		Att	ribu	tes
Μ	N101	98	Entity Identifier Co	ode	M		ID 2/3
			v	organizational entity, a physical location Bill-to-Party	, prope	rty o	or an
	N102	93	Name		X	1	AN 1/60
			Free-form name			_	
	N103	66	Identification Code	e Qualifier	Х	1	ID 1/2
			Code (67)	e system/method of code structure used f	or Iden	tifica	ation
			UL	Global Location Number (GLN)			
				A globally unique 13 digit code for the i legal, functional or physical location wit Code Council (UCC) and International Association (EAN) numbering system	thin the Article	Uni Num	form iber
				This is the 13-digit Global Location N	umber	(GI	LN).
	N104	67	Identification Code		X	1	AN 2/80
			Code identifying a p	party or other code			
			formal number, e.g seller. The location	code as defined by N103. The location a, DUNS, or it may be assigned by either refers to a store, warehouse, distribution are used to alleviate the need to send of	er the l on cen	ouye ter,	r or plant,
	N105	706	Entity Relationship	Code	0	1	ID 2/2
			Code describing ent	ity relationship			
	N106	98	Entity Identifier Cod	· ·	0	1	ID 2/3
			Code identifying an individual	organizational entity, a physical location	ı, prop	erty	or an

N1 Porty Identification - Supplier Identification

Segment:	${f N1}$ Party Identification - Supplier Identification
Position:	3100
Loop:	N1
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.

			Data Element Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	Name	Att	<u>ributes</u>
Μ	N101	98	Entity Identifier Code	Μ	1 ID 2/3
			Code identifying an organizational entity, a physical location individual	a, prope	erty or an
			SU Supplier/Manufacturer		
	N102	93	Name	Х	1 AN 1/60
			Free-form name		
	N103	66	Identification Code Qualifier	X	1 ID 1/2
			Code designating the system/method of code structure used Code (67)	for Ider	ntification
	N104	67	Identification Code	X	1 AN 2/80
			Code identifying a party or other code		
	N105	706	Entity Relationship Code	0	1 ID 2/2
			Code describing entity relationship		
	N106	98	Entity Identifier Code	0	1 ID 2/3
			Code identifying an organizational entity, a physical location individual	on, prop	erty or an

850 Optical (005010)

$\mathbf{N1}$ Party Identification - Wal-Mart Store Identification Segment: 3100 **Position:** N1 Loop: Level: Heading Usage: Optional Max Use: 1 **Purpose:** To identify a party by type of organization, name, and code At least one of N102 or N103 is required. Syntax Notes: 1 2 If either N103 or N104 is present, then the other is required. Semantic Notes: **Comments:** This segment, used alone, provides the most efficient method of providing 1 organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101. 2 This instance of the N1 Segment will be used to transmit the Global Location Notes: Number (GLN) of any new Wal-Mart or Sam's locations that may have New Store Discounts applied on for this purchase order. There may be N3 and N4 segments present for this group. **Data Element Summary** Ref. Data Des. Element Name Attributes N101 98 **Entity Identifier Code** Μ 1 ID 2/3 Code identifying an organizational entity, a physical location, property or an individual SN Store N102 93 Х Name 1 AN 1/60 Free-form name N103 66 **Identification Code Oualifier** Х 1 ID 1/2 Code designating the system/method of code structure used for Identification Code (67) UL Global Location Number (GLN) A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system This is the 13-digit Global Location Number (GLN). N104 **Identification Code** Х 67 1 AN 2/80 Code identifying a party or other code N105 706 Entity Relationship Code 0 1 ID 2/2Code describing entity relationship N106 98 Entity Identifier Code 0 1 ID 2/3 Code identifying an organizational entity, a physical location, property or an

individual

N3 Party Location Segment: 3300 **Position:** Loop: N1 Level: Heading Usage: Optional Max Use: 2 To specify the location of the named party **Purpose:** Syntax Notes: Semantic Notes: **Comments:**

Data Element Summary

	Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Μ	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55

850 Optical (005010)

4	Coographia	1

Segment:	N4 Geographic Location
Position:	3400
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 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.

Ref. Des.DataNameAttributesM40119City Name City Name Free-form text for city nameO1A N 2/30N402156State or Province CodeX1ID 2/2Code (Standard State/Province) as defined by appropriate government agencyO1ID 3/15N403116Postal CodeO1ID 3/15Code defining intermational postal zone code excluding punctuationJl ID 3/15Code defining intermational postal zone code excluding punctuationN40426Country CodeX1ID 2/3Code identifying the countryCode identifying the countryX1ID 1/2N405309Location QualifierX1ID 1/2R406310Location Identifier Code which identifies a specific locationO1A N 1/30N4071715Country Subdivision CodeX1ID 1/3			Data Element Summary			
N40119City Name Free-form text for city nameO1AN 2/30N402156State or Province CodeX1ID 2/2Code (Standard State/Province) as defined by appropriate government agencyN403116Postal CodeO1ID 3/15Code defining international postal zone code excluding punctuation and blanks (zip code for United States)O1ID 2/3N40426Country CodeX1ID 2/3Code identifying the countryCode identifying the countryX1ID 1/2N405309Location QualifierX1ID 1/2Code identifying type of location BSPlace of Business HHome AddressAN 1/30N406310Location Identifier Code which identifies a specific location Code which identifies a specific locationX1ID 1/3N4071715Country Subdivision CodeX1ID 1/3	Ref.	Data				
Free-form text for city nameN402156State or Province CodeX1ID 2/2Code (Standard State/Province) as defined by appropriate government agencyN403116Postal CodeO1ID 3/15Code defining international postal zone code excluding punctuation and blanks (zip code for United States)Code defining international postal zone code excluding punctuation and blanks (zip code for United States)X1ID 2/3N40426Country CodeX1ID 2/3Code identifying the countryCode identifying the countryX1ID 1/2N405309Location QualifierX1ID 1/2Code identifying the countryBSPlace of Business HHome AddressN406310Location Identifier Code which identifies a specific location01AN 1/30N4071715Country Subdivisior CodeX1ID 1/3	Des.	<u>Element</u>	<u>Name</u>	Att	<u>Attributes</u>	
N402156State or Province CodeX1ID 2/2Code (Standard State/Province) as defined by appropriate government agencyN403116Postal CodeO1ID 3/15Code defining international postal zone code excluding purctationCode defining international postal zone code excluding purctationN40426Country CodeX1ID 2/3Code identifying the countryCode identifying the countryX1ID 1/2N405309Location QualifierX1ID 1/2Code identifying type of locationBSPlace of BusinessX1ID 1/2N406310Location Identifier a specific locationO1AN 1/30N4071715Country Subdivisro CodeX1ID 1/3	N401	19	City Name	0	1 AN 2/30	
N403116Postal CodeO1ID 3/15N403116Postal CodeO1ID 3/15Code defining international postal zone code excluding punctuation and blanks (zip code for United States)Code defining international postal zone code excluding punctuation and blanks (zip code for United States)N40426Country CodeX1ID 2/3Code identifying the countryCode identifying the countryX1ID 1/2N405309Location QualifierX1ID 1/2Code identifying type of location BSPlace of Business HHome AddressX1AN 1/30N406310Location Identifier a specific location Code which identifies a specific locationX1ID 1/3N4071715Country Subdivision CodeX1ID 1/3			Free-form text for city name			
N403116Postal CodeO1ID 3/15Code defining international postal zone code excluding punctuation and blanks (zip code for United States)Code defining international postal zone code excluding punctuation and blanks (zip code for United States)N40426Country CodeX1ID 2/3Code identifying the countryCode identifying the countryX1ID 1/2N405309Location QualifierX1ID 1/2Code identifying type of location BS HBSPlace of Business HIID 1/2N406310Location Identifier Code which identifies a specific locationO1AN 1/30N4071715Country Subdivision CodeX1ID 1/3	N402	156	State or Province Code	X	1 ID 2/2	
N404Code defining international postal zone code excluding punctuation and blanks (zip code for United States)N40426Country CodeX1ID 2/3Code identifying the countryX1ID 1/2N405309Location QualifierX1ID 1/2Code identifying type of locationSPlace of BusinessX1ID 1/2N406310Location IdentifierO1AN 1/30N4071715Country Subdivision CodeX1ID 1/3			Code (Standard State/Province) as defined by appropriate	governme	ent agency	
N40426Country Code Country CodeX1ID 2/3N405309Location Qualifier Code identifying the countryX1ID 1/2N405309Location Qualifier Code identifying type of location BS HX1ID 1/2N406310Location Identifier Code which identifies a specific location Code which identifies a specific locationO1AN 1/30N4071715Country Subdivision CodeX1ID 1/3	N403	116	Postal Code	0	1 ID 3/15	
N40426Country Code Code identifying the countryX1ID 2/3N405309Location Qualifier Code identifying type of location BSX1ID 1/2N405309Location Qualifier (Code identifying type of location) BSPlace of Business HX1ID 1/2N406310Location Identifier Code which identifies a specific locationO1AN 1/30N4071715Country Subdivision CodeX1ID 1/3				inctuation	and blanks	
N405309Location Qualifier Code identifying type of location BS HX1ID 1/2N406310Location Identifier Code which identifies a specific locationO1 $AN 1/30$ N4071715Country Subdivision CodeX1 $ID 1/3$	N404	26	· · ·	x	1 ID 2/3	
N405309Location QualifierX1ID 1/2Code identifying type of location BS Place of Business I I I BSPlace of Business H Home Address I I I N406310Location Identifier O 1 $AN 1/30$ Code which identifies a specific location X 1 $ID 1/3$			•		/-	
BS Place of Business H Home Address N406 310 Location Identifier Code which identifies a specific location O 1 N407 1715 Country Subdivision Code X 1	N405	309	Location Qualifier	X	1 ID 1/2	
H Home Address N406 310 Location Identifier O 1 AN 1/30 Code which identifies a specific location Code which identifies a specific location X 1 ID 1/3			Code identifying type of location			
N406310Location Identifier Code which identifies a specific locationO1 AN 1/30N4071715Country Subdivision CodeX1 ID 1/3			BS Place of Business			
Code which identifies a specific locationN4071715Country Subdivision CodeXX1 ID 1/3			H Home Address			
N4071715Country Subdivision CodeX1ID 1/3	N406	310	Location Identifier	0	1 AN 1/30	
			Code which identifies a specific location			
Code identifying the country subdivision	N407	1715	Country Subdivision Code	X	1 ID 1/3	
			Code identifying the country subdivision			

PER Administrative Communications Contact

Segment:	PER Administrative Communications Contact
Position:	3600
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
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:

This segment is used to specify appropriate telephone numbers for the entity identified in the previous N1 segment in a direct-to-consumer environment.

Data Element Summary

Def	Dete	Data Element Summary			
Ref.	Data Element	Nome	A 44		tog
Des. PER01	<u>Element</u> 366	<u>Name</u> Contact Function Code	M Au	ribu 1	ID 2/2
I L'NUI	500	Code identifying the major duty or responsibility of the p		-	
			erson or gr	oup	nameu
		OC Order Contact	0		
PER02	93	Name	0	1	AN 1/60
		Free-form name			
PER03	365	Communication Number Qualifier	X	1	ID 2/2
		Code identifying the type of communication number			
PER04	364	Communication Number	X	1	AN 1/256
		Complete communications number including country or applicable	area code	when	l
PER05	365	Communication Number Qualifier	X	1	ID 2/2
		Code identifying the type of communication number			
PER06	364	Communication Number	X	1	AN 1/256
		Complete communications number including country or applicable	area code	when	l
PER07	365	Communication Number Qualifier	X	1	ID 2/2
		Code identifying the type of communication number			
PER08	364	Communication Number	X	1	AN 1/256
		Complete communications number including country or applicable	area code	when	l
PER09	443	Contact Inquiry Reference	0	1	AN 1/20
		Additional reference number or description to clarify a c	ontact nun	ıber	

Μ

PO1 Raseline Item Data

Segment:	PO1 Baseline Item Data
Position:	0100
Loop:	PO1
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.
Syntax 1 (Step)	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:	1 PO102 is quantity ordered.
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:	The multi-SKU case pack is used by retailers to order cases packed with specific
	items, each with a specific quantity. This is similar to the dynamic assortment,
	however, the unit of measurement code in PO103 is different for each use. For
	dynamic assortments, PO103 will contain code AS. This identifies the item listed in
	the Product/Service IDs as an assortment and the contents of the assortment are
	listed in subsequent SLN segments. For assortments, at least one occurrence of the
	Product/Service ID Qualifier and the Product/Service ID are required to identify
	the assortment. This may be a U.P.C., a vendor assigned number, or a retailer
	assigned number. There is no implication of packaging for assortments; this is part
	of the trading partners' business practices. Assortments are primarily used as an
	ordering tool. For the multi-SKU case pack, PO103 will contain code CA, and there
	is no requirement to send a Product/Service ID in the PO1 segment. The use of code
	CA in PO103, and the presence of the SLN segments, informs the receiver to pack
	the cases with the SKUs and quantities in the SLN segments. The quantity in PO102 is the number of energy being ordered. Each SLN segments that follows the PO1
	is the number of cases being ordered. Each SLN segment, that follows the PO1
	segment, lists the Product ID, e.g., U.P.C., and the quantity of the SKU that is to be in the case. The total units in each case is the sum of the quantities in the SLN
	segment.
	organeur.

Data Element Summary

Ref.	Data	Data Element Summary				
Des.	<u>Element</u>	<u>Name</u>	<u>Attr</u>	<u>Attributes</u>		
PO101	350	Assigned Identification	0	1 AN 1/20		
		Alphanumeric characters assigned for differentiation	ı within a transac	ction set		
		Purchase Order Line Number				
PO102	380	Quantity	X	1 R 1/15		
		Numeric value of quantity				
PO103	355	Unit or Basis for Measurement Code	0	1 ID 2/2		
		Code specifying the units in which a value is being e which a measurement has been taken	xpressed, or man	nner in		
		CA Case				
		EA Each				
PO104	212	Unit Price	X	1 R 1/17		
		Price per unit of product, service, commodity, etc.				

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			ent with a decimal point only when needed .95'', and \$29.00 would be sent as ''29''.	d, e.g., \$15	5.95	would
			no charge item or free goods, PO104 will O105 will contains code NC.	contain a	sing	gle
PO105	639	Basis of Unit F	Price Code	0	1	ID 2/2
		Code identifyir	ng the type of unit price for an item			
		price expresse	nent is used to clarify or alter the basis of d in PO104 is always in the same terms a D103, unless otherwise specified in PO105 Catalog Price per Each	s the unit		ne unit
		NC	No Charge			
PO106	235			х	1	ID 2/2
F0100	235		ce ID Qualifier		I	ID 2/2
		Product/Servic	ng the type/source of the descriptive numbe e ID (234) Buyer's Item Number	r used in		
PO107	234	Product/Servio	-	X	1	AN 1/48
		Identifying nur	nber for a product or service			
PO108	235		ce ID Qualifier	X	1	ID 2/2
			ng the type/source of the descriptive numbe			
		UA	Data structure for the 13 digit EAN.U International.Uniform Code Council) Identification Number (GTIN) U.P.C./EAN Case Code (2-5-5)			
		UP	UCC - 12			
			Data structure for the 12 digit EAN.U International.Uniform Code Council) Identification Number (GTIN). Also Universal Product Code (U.P.C.)	Global Tr	ade	
PO109	234	Product/Servic	. , ,	X	1	AN 1/48
		Identifying nur	nber for a product or service			
PO110	235		ce ID Qualifier	X	1	ID 2/2
			ng the type/s ource of the descriptive numbe	r used in		
PO111	234	Product/Servio		Х	1	AN 1/48
		Identifying nur	nber for a product or service			
PO112	235		ce ID Qualifier	Х	1	ID 2/2
		Code identifyir Product/Servic BO	ng the type/source of the descriptive numbe e ID (234) Buyers Color	r used in		
PO113	234	Product/Servio	ce ID	Х	1	AN 1/48
		Identifying nur	nber for a product or service			
PO114	235	Product/Servi	ce ID Qualifier	X	1	ID 2/2
		Code identifyin Product/Servic IZ	ng the type/source of the descriptive numbe e ID (234) Buyer's Size Code	r used in		
PO115	234	Product/Servic		х	1	AN 1/48
			nber for a product or service		-	
PO116	235		ce ID Qualifier	X	1	ID 2/2
			ng the type/source of the descriptive numbe		•	=

Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN) PO117 234 **Product/Service ID** Х 1 AN 1/48 Identifying number for a product or service PO118 235 Product/Service ID Qualifier Χ 1 ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO119 234 Product/Service ID Χ 1 AN 1/48 Identifying number for a product or service PO120 235 Product/Service ID Qualifier Χ 1 ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234) 234 PO121 Product/Service ID Χ 1 AN 1/48 Identifying number for a product or service PO122 235 Product/Service ID Qualifier Χ 1 ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO123 234 Product/Service ID Χ 1 AN 1/48 Identifying number for a product or service PO124 235 Product/Service ID Qualifier Χ 1 ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO125 234 Product/Service ID Χ 1 AN 1/48 *Identifying number for a product or service*

PID Product/Item Description - Base Cu

Segment:	PID Product/Item Description - Base Curve
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	The PID segment is used to provide product/item descriptions in text and or coded
	formats. The codes in PID04 are published only in this guideline.
	This segment may be used to transmit semi-custom product descriptions, such as made-to-order window coverings, jewelry, furniture, apparel, automotive parts, and other customer specific products. When used for this purpose, PID04 will contain the multi-part VICS EDI Semi-Custom Product Description Code. The complete code list is contained in Section III. In addition to the VICS EDI Semi-Custom Product Descriptions, PID06 for relative placement, and additional MEA segment(s) for actual measurement values. Details about the VICS EDI Semi-Custom Product Description Code are found in the "Data Element 751 - VICS EDI Semi-Custom Product Description Code Matrix" which is in the Appendix section of this Guide.

This PID Loop is used to specify Base Curve information.

			Data Element Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	Name	Att	ributes
Μ	PID01	349	Item Description Type	Μ	1 ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
			The description will be found in PI)04.	
	PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
			Code identifying the general class of a product or process	characte	ristic
	PID03	559	Agency Qualifier Code	Х	1 ID 2/2
			Code identifying the agency assigning the code values		
			AB Assigned by Buyer		
	PID04	751	Product Description Code	X	1 AN 1/12
			A code from an industry code list which provides specific of characteristic OP03CLENBC	lata aboı	it a product
			Base Curve		
	PID05	352	Description	X	1 AN 1/80
			A free -form description to clarify the related data elements	and thei	r content
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PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that	is being	desc	ribed
PID07	822	Source Subqualifier	0	1	AN 1/15
		A reference that indicates the table or text maintained by th	ne Source	e Qu	alifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standar maintained by the International Standards Organization (I		st	

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA 04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u> O	ribu 1	<u>tes</u> ID 2/2
MLAUI	151		U		10 4/4
		Code identifying the broad category to which a measuremen OD Ordered Dimensions	it applie	3	
MEA02	738	Measurement Qualifier	0	1	ID 1/3
MLA02	750	Code identifying a specific product or process characteristi	U	-	ID 1/5
		measurement applies	c io wiu	спи	
MEA03	739	Measurement Value	X	1	R 1/20
		The value of the measurement			
		<u>Format of 99.99</u>			
MEA04	C001	Composite Unit of Measure	X	1	
		To identify a composite unit of measure (See Figures Apper	ıdix for	exan	ples of
		use)			
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expresse	ed, or m	anne	r in
<i>C00102</i>	1018	which a measurement has been taken Exponent	0		R 1/15
000102	1010	Power to which a unit is raised	U		K 1/15
C00103	649	Multiplier	0		R 1/10
000105	047	Value to be used as a multiplier to obtain a new value	0		<i>K</i> 1/10
<i>C00104</i>	355	Unit or Basis for Measurement Code	0		ID 2/2
00010.		Code specifying the units in which a value is being expresse		anne	/-
		which a measurement has been taken	<i>a</i> , <i>or m</i>	unne	
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or m	anne	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description Diamot

Segment:	PID Product/Item Description - Diameter
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Diameter information.

Data Element Summary

		Data Element Summary			
Ref. Des.	Data Element	Name	A ++	ribu	tos
<u>Des.</u> PID01	<u>349</u>	Item Description Type	M	<u>1 10 u</u> 1	ID 1/1
1 1001	547	Code indicating the format of a description	IVI	1	ID 1/1
		S Structured (From Industry Code List)			
		The description will be found in PID	04		
PID02	750	Product/Process Characteristic Code	0 0	1	ID 2/3
TID02	750		•	-	/-
DIDAA	550	Code identifying the general class of a product or process c			
PID03	559	Agency Qualifier Code	Х	I	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1	AN 1/1
		characteristic OP03CLENDI			
		Diameter			
PID05	352	Description	X	-	AN 1/8
		A free-form description to clarify the related data elements of	ind thei	r coi	itent
PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being	desc	ribed
PID07	822	Source Subqualifier	0	1	AN 1/1
		A reference that indicates the table or text maintained by the	Source	Qu	alifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		st	

М

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u>	ribu 1	<u>tes</u> ID 2/2
MLAUI	151		U tomalio	_	ID 2/2
		Code identifying the broad category to which a measuremen OD Ordered Dimensions	appne	s	
MEA02	738		0	1	ID 1/3
MEA02	/30	Measurement Qualifier	U	-	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	to whi	icn a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 99.9			
MEA04	C001	Composite Unit of Measure	X	1	
		<i>To identify a composite unit of measure (See Figures Appenuse)</i>	dix for	exam	ples of
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or ma	nner	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measure	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description - Sphere

Segment:	PID Product/Item Description - Sphere
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Sphere information.

Data Element Summary

		Data Element Summary			
Ref.	Data				
Des.	<u>Element</u>	<u>Name</u>		ribu	
PID01	349	Item Description Type	Μ	1	ID 1/1
		Code indicating the format of a description			
		S Structured (From Industry Code List)			
		The description will be found in PII	004.		
PID02	750	Product/Process Characteristic Code	0	1	ID 2/3
		Code identifying the general class of a product or process of	characte	ristic	•
PID03	559	Agency Qualifier Code	Х	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Χ	1	AN 1/1
		characteristic OP03CLENSP			
		Sphere			
PID05	352	Description	X		AN 1/8
		A free-form description to clarify the related data elements	and thei	r con	tent
PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that	is being	desci	ribed
PID07	822	Source Subqualifier	0	1	AN 1/1
		A reference that indicates the table or text maintained by the	e Source	e Qua	ılifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standar maintained by the International Standards Organization (I.		ist	

 \mathbf{M}

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

		Data Element Summary		
Ref. <u>Des.</u> MEA01	Data <u>Element</u> 737	<u>Name</u> Measurement Reference ID Code	<u>Attr</u> O	<u>ributes</u> 1 ID 2/2
		Code identifying the broad category to which a measu	rement applies	5
		OD Ordered Dimensions		
MEA02	738	Measurement Qualifier	0	1 ID 1/3
		Code identifying a specific product or process character measurement applies	cteristic to whic	ch a
MEA03	739	Measurement Value	X	1 R 1/20
		The value of the measurement		
MEA04	C001	Composite Unit of Measure	X	1
		To identify a composite unit of measure (See Figures use)	Appendix for e	examples of
C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
		Code specifying the units in which a value is being ex which a measurement has been taken	-	
<i>C00102</i>	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00103	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value	2	
C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being ex which a measurement has been taken	pressed, or ma	ınner in
C00105	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value	2	
<i>C00107</i>	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being ex which a measurement has been taken	pressed, or ma	inner in
<i>C00108</i>	1018	Exponent	0	R 1/15
(005010)		Wal-Mart Confidential		60

		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ed, or m	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ed, or m	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	Х	1	R 1/20
		The value specifying the minimum of the measurement range	ge		
		This element will contain the measurement if the value i	<u>s negati</u>	<u>ve.</u>	
MEA06	741	Range Maximum	Х	1	R 1/20
		The value specifying the maximum of the measurement ran	ge		
		1 0 0	•		
		This element will contain the measurement if the value is	•	<u>'e.</u>	
MEA07	935	1 0 0	•		ID 2/2
MEA07	935	This element will contain the measurement if the value is	s positiv O	1	ID 2/2
MEA07 MEA08	935 936	<u>This element will contain the measurement if the value is</u> Measurement Significance Code	s positiv O	l alue	ID 2/2 ID 2/2
		This element will contain the measurement if the value is Measurement Significance Code Code used to benchmark, qualify or further define a measure	<mark>s positiv</mark> O rement v X	l alue 1	ID 2/2
		This element will contain the measurement if the value is Measurement Significance Code Code used to benchmark, qualify or further define a measur Measurement Attribute Code Code used to express an attribute response when a numeric	<mark>s positiv</mark> O rement v X	l alue l emen	ID 2/2
MEA08	936	This element will contain the measurement if the value isMeasurement Significance CodeCode used to benchmark, qualify or further define a measureMeasurement Attribute CodeCode used to express an attribute response when a numericcannot be determined	s positiv O rement v X measur O	1 alue 1 eemer 1	ID 2/2 nt value ID 2/2
MEA08	936	This element will contain the measurement if the value isMeasurement Significance CodeCode used to benchmark, qualify or further define a measureMeasurement Attribute CodeCode used to express an attribute response when a numericcannot be determinedSurface/Layer/Position Code	s positiv O rement v X measur O	1 alue 1 semer 1 desci	ID 2/2 nt value ID 2/2
MEA08 MEA09	936 752	This element will contain the measurement if the value isMeasurement Significance CodeCode used to benchmark, qualify or further define a measureMeasurement Attribute CodeCode used to express an attribute response when a numericcannot be determinedSurface/Layer/Position CodeCode indicating the product surface, layer or position that a	s positiv O rement v X measur O is being	1 alue 1 semer 1 desci	ID 2/2 nt value ID 2/2 ribed
MEA08 MEA09	936 752	This element will contain the measurement if the value isMeasurement Significance CodeCode used to benchmark, qualify or further define a measureMeasurement Attribute CodeCode used to express an attribute response when a numericcannot be determinedSurface/Layer/Position CodeCode indicating the product surface, layer or position that aMeasurement Method or Device	s positiv O rement v X measur O is being	1 alue 1 remer 1 desci	ID 2/2 nt value ID 2/2 ribed
MEA08 MEA09 MEA10	936 752 1373	This element will contain the measurement if the value isMeasurement Significance CodeCode used to benchmark, qualify or further define a measureMeasurement Attribute CodeCode used to express an attribute response when a numericcannot be determinedSurface/Layer/Position CodeCode indicating the product surface, layer or position that aMeasurement Method or DeviceThe method or device used to record the measurement	s positiv O rement v X r measur O is being O	1 alue 1 remer 1 desci	ID 2/2 at value ID 2/2 ribed ID 2/4
MEA08 MEA09 MEA10	936 752 1373	This element will contain the measurement if the value isMeasurement Significance CodeCode used to benchmark, qualify or further define a measureMeasurement Attribute CodeCode used to express an attribute response when a numericcannot be determinedSurface/Layer/Position CodeCode indicating the product surface, layer or position that aMeasurement Method or DeviceThe method or device used to record the measurementCode List Qualifier Code	s positiv O rement v X r measur O is being O	I alue I eemer I desci 1	ID 2/2 at value ID 2/2 ribed ID 2/4

PID Product/Item Description - Cylinder

Segment:	PID Product/Item Description - Cylinder
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Cylinder information.

	_	Data Element Summary		
Ref.	Data	N		
Des.	Element	<u>Name</u>		ributes
PID01	349	Item Description Type	Μ	1 ID 1/1
		Code indicating the format of a description		
		S Structured (From Industry Code List)		
		The description will be found in PID		
PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
		Code identifying the general class of a product or process c	haracte	ristic
PID03	559	Agency Qualifier Code	Х	1 ID 2/2
		Code identifying the agency assigning the code values		
		AB Assigned by Buyer		
PID04	751	Product Description Code	Х	1 AN 1/2
		characteristic OP03CLENCL		-
		Cylinder		
PID05	352	Description	X	1 AN 1/8
		A free-form description to clarify the related data elements of	and thei	r content
PID06	752	Surface/Layer/Position Code	0	1 ID 2/2
		Code indicating the product surface, layer or position that i	s being	described
PID07	822	Source Subqualifier	0	1 AN 1/1
		A reference that indicates the table or text maintained by the	e Source	e Qualifier
PID08	1073	Yes/No Condition or Response Code	0	1 ID 1/1
		Code indicating a Yes or No condition or response		
PID09	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		ist

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data			
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u>	<u>ributes</u> 1 ID 2/2
10112/101	151	Code identifying the broad category to which a measurem	ent annlie	
		OD Ordered Dimensions	ent appries	5
MEA02	738	Measurement Qualifier	0	1 ID 1/3
		Code identifying a specific product or process characteri measurement applies	stic to whi	ch a
MEA03	739	Measurement Value	X	1 R 1/20
		The value of the measurement		
MEA04	C001	Composite Unit of Measure	X	1
		<i>To identify a composite unit of measure (See Figures Appuse)</i>	oendix for a	examples of
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ssed, or ma	anner in
C00102	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00103	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
<i>C00104</i>	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ssed, or ma	anner in
C00105	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ssed, or ma	anner in
<i>C00108</i>	1018	Exponent	0	R 1/15
(005010)		Wal-Mart Confidential		63

		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ed, or m	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ed, or m	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	Х	1	R 1/20
		The value specifying the minimum of the measurement range	ge		
		This element will contain the measurement if the value i	<u>s negati</u>	ve.	
MEA06	741	Range Maximum	Х	1	R 1/20
MEA06	741	Range Maximum The value specifying the maximum of the measurement ran		1	R 1/20
MEA06	741	0	ge		R 1/20
MEA06 <i>MEA07</i>	741 935	The value specifying the maximum of the measurement ran	ge	<u>'e.</u>	R 1/20 <i>ID 2/2</i>
		The value specifying the maximum of the measurement ran This element will contain the measurement if the value is	ge <u>s positiv</u> O	<u>re.</u> 1	
		The value specifying the maximum of the measurement ran <u>This element will contain the measurement if the value is</u> <i>Measurement Significance Code</i>	ge <u>s positiv</u> O	r <mark>e.</mark> 1 alue	
MEA07	935	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measure</i>	ge s positiv O rement v X	r <mark>e.</mark> 1 alue 1	ID 2/2 ID 2/2
MEA07	935	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measure</i> <i>Measurement Attribute Code</i> <i>Code used to express an attribute response when a numerice</i>	ge s positiv O rement v X	r <mark>e.</mark> 1 alue 1 semer	ID 2/2 ID 2/2
MEA07 MEA08	935 936	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measurement Attribute Code</i> <i>Code used to express an attribute response when a numerico</i> <i>cannot be determined</i>	ge s positiv O rement v X r measur O	r <mark>e.</mark> 1 alue 1 remer 1	ID 2/2 ID 2/2 nt value ID 2/2
MEA07 MEA08	935 936	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measure</i> <i>Measurement Attribute Code</i> <i>Code used to express an attribute response when a numeric</i> <i>cannot be determined</i> <i>Surface/Layer/Position Code</i> <i>Code indicating the product surface, layer or position that a</i> <i>Measurement Method or Device</i>	ge s positiv O rement v X r measur O	r <mark>e.</mark> 1 alue 1 remer 1 desci	ID 2/2 ID 2/2 nt value ID 2/2
MEA07 MEA08 MEA09	935 936 752	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measure</i> <i>Measurement Attribute Code</i> <i>Code used to express an attribute response when a numeric</i> <i>cannot be determined</i> <i>Surface/Layer/Position Code</i> <i>Code indicating the product surface, layer or position that be</i>	ge s positiv O rement v X measur O is being	r <mark>e.</mark> 1 alue 1 remer 1 desci	ID 2/2 ID 2/2 nt value ID 2/2 ribed
MEA07 MEA08 MEA09	935 936 752	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measure</i> <i>Measurement Attribute Code</i> <i>Code used to express an attribute response when a numeric</i> <i>cannot be determined</i> <i>Surface/Layer/Position Code</i> <i>Code indicating the product surface, layer or position that a</i> <i>Measurement Method or Device</i>	ge s positiv O rement v X measur O is being	r <mark>e.</mark> 1 alue 1 remer 1 descr 1	ID 2/2 ID 2/2 nt value ID 2/2 ribed
MEA07 MEA08 MEA09 MEA10	935 936 752 1373 1270	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measure</i> <i>Measurement Attribute Code</i> <i>Code used to express an attribute response when a numerico</i> <i>cannot be determined</i> <i>Surface/Layer/Position Code</i> <i>Code indicating the product surface, layer or position that a</i> <i>Measurement Method or Device</i> <i>The method or device used to record the measurement</i>	ge s positiv O rement v X remeasur O is being O X	r <mark>e.</mark> 1 alue 1 remer 1 descr 1	ID 2/2 ID 2/2 at value ID 2/2 ribed ID 2/4
MEA07 MEA08 MEA09 MEA10	935 936 752 1373	The value specifying the maximum of the measurement ran This element will contain the measurement if the value is <i>Measurement Significance Code</i> <i>Code used to benchmark, qualify or further define a measure</i> <i>Measurement Attribute Code</i> <i>Code used to express an attribute response when a numerice</i> <i>cannot be determined</i> <i>Surface/Layer/Position Code</i> <i>Code indicating the product surface, layer or position that a</i> <i>Measurement Method or Device</i> <i>The method or device used to record the measurement</i> <i>Code List Qualifier Code</i>	ge s positiv O rement v X measur O is being O	r <mark>e.</mark> 1 alue 1 eemer 1 descu 1 1	ID 2/2 ID 2/2 at value ID 2/2 ribed ID 2/4

PID Product/Item Descriptio Avic D

Segment:	PID Product/Item Description - Axis Degree
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Axis Degree information.

Data Element Summary

		Data Element Summary		
Ref. Des.	Data Element	Name	A ++	ributes
	<u>349</u>		M ALL	<u>1 ID 1/1</u>
PID01	549	Item Description Type Code indicating the format of a description	IVI	I ID 1/1
		S Structured (From Industry Code List)	A A	
		The description will be found in PID		
PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
		Code identifying the general class of a product or process c	haracte	ristic
PID03	559	Agency Qualifier Code	Х	1 ID 2/2
		Code identifying the agency assigning the code values		
		AB Assigned by Buyer		
PID04	751	Product Description Code	Χ	1 AN 1/
		characteristic OP03CLENAD		
		Axis Degree		
PID05	352	Description	X	1 AN 1/
		A free-form description to clarify the related data elements of	and thei	r content
PID06	752	Surface/Layer/Position Code	0	1 ID 2/2
		Code indicating the product surface, layer or position that i	s being	described
PID07	822	Source Subqualifier	0	1 AN 1/
		A reference that indicates the table or text maintained by the	e Source	e Qualifier
PID08	1073	Yes/No Condition or Response Code	0	1 ID 1/1
		Code indicating a Yes or No condition or response		
PID09	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		ist

М

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
Des.	<u>Element</u>	<u>Name</u>	Att	ribu	
MEA01	737	Measurement Reference ID Code	0	-	ID 2/2
		Code identifying the broad category to which a measurement	applie	s	
		OD Ordered Dimensions			
MEA02	738	Measurement Qualifier	0	1	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	to whi	ich a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 999			
MEA04	C001	Composite Unit of Measure	X	1	
		<i>To identify a composite unit of measure (See Figures Appenuse)</i>	dix for	exam	ples of
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or m	annei	r in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or m	annei	r in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or m	annei	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or ma	inne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range			
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement range	2		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measure	ement vo	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric to cannot be determined	neasure	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item De corintic

Segment:	PID Product/Item Description - Add Power
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Add Power information.

Data Element Summary

		Data Element Summary				
Ref.	Data					
Des.	Element	<u>Name</u>	tribu			
PID01	349	Item Description Type	Μ	1	ID 1/1	
		Code indicating the format of a description	`			
		S Structured (From Industry Code List	·			
		The description will be found in P				
PID02	750	Product/Process Characteristic Code	0	1	ID 2/3	
		Code identifying the general class of a product or process	characte	risti	С	
PID03	559	Agency Qualifier Code	Х	1	ID 2/2	
		Code identifying the agency assigning the code values				
		AB Assigned by Buyer				
PID04	751	Product Description Code	X	1	AN 1/1	
		characteristic OP03CLENAP Add Power				
PID05	352	Description	X	1	AN 1/8	
11200	002	A free-form description to clarify the related data element		-		
PID06	752	Surface/Layer/Position Code	0 and mei		ID 2/2	
11000 752		Code indicating the product surface, layer or position that is being describe				
PID07	822	Source Subqualifier	0 is being		AN 1/1	
TID07	022	A reference that indicates the table or text maintained by	U	-		
PID08	1073	Yes/No Condition or Response Code	O		ID 1/1	
I ID00	1075	-	U	1	ID 1/1	
	<u> </u>	Code indicating a Yes or No condition or response	0	1	ID 2/3	
PID09	819	Language Code	0	-	ID 2/3	
		Code designating the language used in text, from a standar maintained by the International Standards Organization (

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Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data			
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u>	<u>ributes</u> 1 ID 2/2
MLAUI	151		onnlia	
		Code identifying the broad category to which a measurement OD Ordered Dimensions	appne	8
MEA02	738	Measurement Qualifier	0	1 ID 1/3
MLA02	750		U	1 12 1/0
		Code identifying a specific product or process characteristic measurement applies	lo whi	cn a
MEA03	739	Measurement Value	Х	1 R 1/20
		The value of the measurement		
		Format of 9.99		
MEA04	C001	Composite Unit of Measure	Χ	1
		<i>To identify a composite unit of measure (See Figures Appenduse)</i>	lix for a	examples of
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	anner in
C00102	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00103	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	anner in
C00105	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	anner in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	е		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description - Color Segment: **Position:** 0500 PO1-PID Loop: Level: Detail Usage: Optional Max Use: 1 To describe a product or process in coded or free-form format **Purpose:** Syntax Notes: If PID04 is present, then PID03 is required. 1 2 At least one of PID04 or PID05 is required. If PID07 is present, then PID03 is required. 3 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required. Semantic Notes: 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; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05. **Comments:** If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If 1 PID01 equals "X", then both PID04 and PID05 are used. Use PID06 when necessary to refer to the product surface or layer being described in 2 the segment. PID07 specifies the individual code list of the agency specified in PID03. 3

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Notes:

Ref.

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Data Element Summary

This PID Loop is used to specify Color information.

Des.	<u>Element</u>	<u>Name</u>	Att	<u>ributes</u>
PID01	349	Item Description Type	Μ	1 ID 1/1
		Code indicating the format of a description		
		X Semi-structured (Code and Text)		
		The description will be found in PII	004 and	PID05.
PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
		Code identifying the general class of a product or process	characte	ristic
PID03	559	Agency Qualifier Code	Х	1 ID 2/2
		Code identifying the agency assigning the code values		
		AB Assigned by Buyer		
PID04	751	Product Description Code	X	1 AN 1/12
		A code from an industry code list which provides specific of characteristic OP04CLENCO	lata abou	it a product
		Color		
PID05	352	Description	Х	1 AN 1/80
		A free-form description to clarify the related data elements	and their	r content
		The color description can be up to 20 characters in leng	<u>th.</u>	
PID06	752	Surface/Layer/Position Code	0	1 ID 2/2
		Code indicating the product surface, layer or position that	is being	described
PID07	822	Source Subqualifier	0	1 AN 1/15
		A reference that indicates the table or text maintained by the	ne Source	e Qualifier
PID08	1073	Yes/No Condition or Response Code	0	1 ID 1/1
		Code indicating a Yes or No condition or response		
PID09	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standar maintained by the International Standards Organization (I		ist

PID Product/Item Description Trial Indicat

Segment:	PID Product/Item Description - Trial Indicator
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Trial Indicator information.

Ref.	Data	Data	Element Summary			
Des.	<u>Element</u>	<u>Name</u>		Att	ribu	tes_
PID01	349	Item Descrip		Μ	1	ID 1/1
			ng the format of a description			
		S	Structured (From Industry Code			
			The description will be found	in PID04.		
PID02	750	Product/Proc	cess Characteristic Code	0	1	ID 2/3
		Code identify	ving the general class of a product or pro	ocess character	risti	c
PID03	559	Agency Qua	lifier Code	X	1	ID 2/2
		Code identify	ving the agency assigning the code value	S		
		AB	Assigned by Buyer			
PID04	751	Product Des	cription Code	Х	1	AN 1/12
		characteristic OP03CLE				
PID05	352	Description		X	1	AN 1/80
		-	escription to clarify the related data ele	ments and their	· coi	itent
PID06	752		r/Position Code	0		ID 2/2
		Code indicat	ing the product surface, layer or positio	n that is being a	lesc	ribed
PID07	822	Source Subqu	• • • • •	0		AN 1/15
		-	hat indicates the table or text maintaine	d by the Source	Qu	alifier
PID08	1073		lition or Response Code	0		ID 1/1
		Code indicati	ing a Yes or No condition or response			
		Ν	No			
		Y	Yes			
PID09	819	Language Co	ode	0	1	ID 2/3
			ating the language used in text, from a s y the International Standards Organiza		st	

PIN Breads -n. tin E

Segment:	PID Product/Item Description - Dot in Eye
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Dot in Eye information.

Data Element Summary

Ref.	Data Flore or f		a Element Summary			4.0.0
<u>Des.</u> PID01	<u>Element</u> 349	<u>Name</u> Itam Dagari	ntion Trmo	<u>Au</u> M	ribu 1	ID 1/1
PIDUI	549	Item Descri	ting the format of a description	IVI	I	ID 1/1
		S	Structured (From Industry Code	List)		
		5	The description will be found i	,		
PID02	750	Product/Pro	ocess Characteristic Code	0	1	ID 2/3
11202	750		fying the general class of a product or pro	•		
PID03	559	•	alifier Code	X		ID 2/2
11005	557		fying the agency assigning the code values		T	10 4/4
		AB	Assigned by Buyer	5		
PID04	751			х	1	AN 1/1
PID04	/51		scription Code an industry code list which provides spe			
		characteristi OP03CLI			-	
DID05	250	Description	•	V	1	AN 1/8
PID05	352	Description		X	-	
DIDOC	750		description to clarify the related data eler			
PID06	752	<i>v v</i>	per/Position Code	0	-	ID 2/2
			ting the product surface, layer or position	-		
PID07	822	Source Sub		0		AN 1/1
		v	that indicates the table or text maintained	l by the Source	~	U
PID08	1073	Yes/No Cor	ndition or Response Code	0	1	ID 1/1
		Code indica	ting a Yes or No condition or response			
		Ν	No			
		Y	Yes			
PID09	819	Language C	Code	0	1	ID 2/3
		•	nating the language used in text, from a st by the International Standards Organizat		st	

PID Product/Item Description - Right Eve/Left Eve

Segment:	PID Product/Item Description - Right Eye/Left Eye
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify which eye the lens is for (Right/Left).

Data Element Summary

Ref.	Data Flows and	Nerre		A 44		4
Des.	Element	<u>Name</u>	T		ribu 1	
PID01	349	Item Description	he format of a description	Μ	I	ID 1/1
		X	Semi-structured (Code and Text)			
		Λ	, , ,	04 and	DID	0 <i>5</i>
DIDAG	750		The description will be found in PII			
PID02	750		Characteristic Code	0		ID 2/3
			the general class of a product or process of			
PID03	559	Agency Qualifier		X	1	ID 2/2
		Code identifying	the agency assigning the code values			
		AB	Assigned by Buyer			
PID04	751	Product Descrip	tion Code	Χ	1	AN 1/12
		A code from an in	ndustry code list which provides specific o	lata abou	it a p	roduct
		characteristic				
		OP04CLENEI				
			Right Eye / Left Eye Indicator			
PID05	352	Description		Х	1	AN 1/80
		A free-form descr	ription to clarify the related data elements	and their	r con	tent
		L	Left Eye			
		R	Right Eye			
PID06	752	Surface/Layer/Pa	osition Code	0	1	ID 2/2
		Code indicating t	he product surface, layer or position that	is being	desci	ribed
PID07	822	Source Subqualif	ïer	0	1	AN 1/15
		A reference that i	indicates the table or text maintained by th	ne Source	e Que	ılifier
PID08	1073	•	i or Response Code	0		ID 1/1
		Code indicating a	a Yes or No condition or response			
PID09	819	Language Code	1	0	1	ID 2/3
		0 0	g the language used in text, from a standar	·d code l	ist	
			e International Standards Organization (I			
		-				

PID Product/Item Description - Lens Type

Segment:	PID Product/Item Description - Lens Type
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Lens Type information.

Data Element Summary

Ref. Des.	Data <u>Element</u>	Name	Att	ribut	es
PID01	349	Item Description Type	Μ	1	ID 1/1
		Code indicating the format of a description			
		X Semi-structured (Code and Text)			
		The description will be found in F	'ID04 and	PID(95.
PID02	750	Product/Process Characteristic Code	0	1	ID 2/3
		Code identifying the general class of a product or proces	s characte	ristic	
PID03	559	Agency Qualifier Code	Х	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1	AN 1/12
		A code from an industry code list which provides specific characteristic OP04CLENLT	c data abou	it a pi	oduct
DIDAS	252	Lens Type	N7	1	A NT 1/00
PID05	352	Description	X		AN 1/80
		A free-form description to clarify the related data elemen			
		This element will contain the lens type. It can be up to length.	<u>) 20 charac</u>	eters	<u>in</u>
PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position th	at is being		
PID07	822	Source Subqualifier	0		AN 1/15
		A reference that indicates the table or text maintained by	the Source	e Qua	lifier
PID08	1073	Yes/No Condition or Response Code	0		, ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a stand maintained by the International Standards Organization		ist	

PID Product/Item Descriptio C. wo 1

Segment:	PID Product/Item Description - Curve 1
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Curve 1 information.

Data Element Summary

		Data Element Summary			
Ref.	Data	N.		•••	
Des.	<u>Element</u>	<u>Name</u>		<u>ribut</u>	
PID01	349	Item Description Type	Μ	1	ID 1/1
		Code indicating the format of a description			
		S Structured (From Industry Code Lis t)			
		The description will be found in PID	04.		
PID02	750	Product/Process Characteristic Code	0	1	ID 2/3
		Code identifying the general class of a product or process c	haracte	ristic	
PID03	559	Agency Qualifier Code	Х	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	X	1	AN 1/1
		characteristic OP03CLENC1			
		Curve 1			
PID05	352	Description	X	1	AN 1/8
		A free-form description to clarify the related data elements of	and thei	r cont	tent
PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being	descr	ibed
PID07	822	Source Subqualifier	0	1	AN 1/1
		A reference that indicates the table or text maintained by the	e Source	Qual	lifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		st	

М

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
Des.	<u>Element</u>	Name	Att	tribu	
MEA01	737	Measurement Reference ID Code	0	-	ID 2/2
		Code identifying the broad category to which a measuremen	t applie	s	
		OD Ordered Dimensions			
MEA02	738	Measurement Qualifier	0	1	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	c to wh	ich a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 99.99			
MEA04	C001	Composite Unit of Measure	X	1	
		<i>To identify a composite unit of measure (See Figures Appenuse)</i>	dix for	exam	ples of
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	<u>ę</u>		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X		ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PIN Brad -Б

Segment:	PID Product/Item Description - Degree 1
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Degree 1 information.

Data Element Summary

		Data Element Summary			
Ref.	Data Element	Name	A ++	ribu	toc
<u>Des.</u> PID01	<u>Element</u> 349		M <u>Au</u>	<u>FIDU</u> 1	ID 1/1
PIDUI	549	Item Description Type Code indicating the format of a description	IVI	1	ID 1/1
		S Structured (From Industry Code List)			
		· · · ·	0.4		
DID 02	750	The description will be found in PID		1	ID 2/2
PID02	750	Product/Process Characteristic Code	0	-	ID 2/3
		Code identifying the general class of a product or process c			
PID03	559	Agency Qualifier Code	X	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1	AN 1/1
		characteristic OP03CLEND1			
		Degree 1			
PID05	352	Description	X	-	AN 1/8
		A free-form description to clarify the related data elements of	ind thei	r coi	itent
PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being	desc	ribed
PID07	822	Source Subqualifier	0	1	AN 1/1
		A reference that indicates the table or text maintained by the	e Source	Qu	alifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		st	

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA 06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data			
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u>	<u>ributes</u> 1 ID 2/2
MLAUI	151		onnlia	
		Code identifying the broad category to which a measurement OD Ordered Dimensions	appne	8
MEA02	738	Measurement Qualifier	0	1 ID 1/3
MLA02	750		U	1 12 1/0
		Code identifying a specific product or process characteristic measurement applies	to whi	cn a
MEA03	739	Measurement Value	Х	1 R 1/20
		The value of the measurement		
		Format of 999		
MEA04	C001	Composite Unit of Measure	Χ	1
		<i>To identify a composite unit of measure (See Figures Appenduse)</i>	lix for	examples of
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or m	anner in
C00102	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00103	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or m	anner in
C00105	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or m	anner in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		<i>Code used to express an attribute response when a numeric cannot be determined</i>	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			
		~ ~ ~ ~ *			

PIN Brad -_

Segment:	PID Product/Item Description - Curve 2
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Curve 2 information.

Data Element Summary

		Data Element Summary			
Ref. Des.	Data Element	Name	A +4	ribu	toc
Des. PID01	<u>349</u>	Item Description Type	M		ID 1/1
FID01	349	Code indicating the format of a description	IVI	I	ID 1/1
		S Structured (From Industry Code List)			
			04		
מחות	750	The description will be found in PID Product/Process Characteristic Code	04.	1	ID 2/3
PID02	/30			-	/-
		Code identifying the general class of a product or process c			
PID03	559	Agency Qualifier Code	Х	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1	AN 1/1
		OP03CLENC2 Curve 2			
PID05	352	Description	X	1	AN 1/8
11005	552	A free-form description to clarify the related data elements a		-	
PID06	752		$\frac{1}{0}$		ID 2/2
PID00	132	Surface/Layer/Position Code	U		
DIDOT		Code indicating the product surface, layer or position that i			
PID07	822	Source Subqualifier	0	-	AN 1/1
		A reference that indicates the table or text maintained by the		~	•
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		ist	

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data		• · · ·		
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Atti</u>	ribut 1	tes ID 2/2
MLAUI	131		U annliae	_	ID 2/2
		Code identifying the broad category to which a measurement OD Ordered Dimensions	appnes	5	
MEA02	738		0	1	ID 1/3
MEA02	/30	Measurement Qualifier	U	-	ID 1/5
		Code identifying a specific product or process characteristic measurement applies	to whic	ch a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 99.99			
MEA04	C001	Composite Unit of Measure	X	1	
		To identify a composite unit of measure (See Figures Appenduse)	lix for e	exam	ples of
C00101	355	Unit or Basis for Measurement Code	Μ		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	nner	· in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	nner	· in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	inner	· in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description - Degree 2

Segment:	PID Product/Item Description - Degree 2
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Degree 2 information.

-		Data Element Summary			
Ref.	Data	NT .		•••	
Des.	Element	Name		ributes	1 /1
PID01	349	Item Description Type	Μ	1 ID 1	1/1
		Code indicating the format of a description	(- T :-4)		
		S Structured (From Industry Cod			
		The description will be found		1 15 4	
PID02	750	Product/Process Characteristic Code	0	1 ID 2	2/3
		Code identifying the general class of a product or pr	rocess characte	ristic	
PID03	559	Agency Qualifier Code	Х	1 ID 2	2/2
		Code identifying the agency assigning the code value	es		
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1 AN	1/1
		characteristic OP03CLEND2 Degree 2			
PID05	352	Description	X	1 AN	1/8
11005	552	A free-form description to clarify the related data ele	21		1/0
PID06	752	Surface/Layer/Position Code	emenis una inei O	1 ID 2	ר <i>ו</i> ר
TID00	152	Code indicating the product surface, layer or position	Ũ		-,
PID07	822		O in that is being O	l AN	
PID0/	022	Source Subqualifier	0		
	1072	A reference that indicates the table or text maintaine	•		
PID08	1073	Yes/No Condition or Response Code	0	1 ID 1	!/1
D I D 00	0.1.0	Code indicating a Yes or No condition or response			• • •
PID09	819	Language Code	0	1 ID 2	2/3
		Code designating the language used in text, from a s maintained by the International Standards Organiza		st	

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA 12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
Des.	<u>Element</u>	<u>Name</u>	Att	<u>ribu</u>	
MEA01	737	Measurement Reference ID Code	0	-	ID 2/2
		Code identifying the broad category to which a measurement	t applie	s	
		OD Ordered Dimensions			
MEA02	738	Measurement Qualifier	0	1	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	c to wh	ich a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 999			
MEA04	C001	Composite Unit of Measure	X	1	
		<i>To identify a composite unit of measure (See Figures Appen use)</i>	dix for	exam	ples of
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or m	annei	r in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	nt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			
		~ ~ ~ ~ ~			

PID Product/Item Description - Vertex

Segment:	PID Product/Item Description - Vertex
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Vertex information.

		Data Element Summary			
Ref. Des.	Data Element	Name	A ##	ribu	toc
<u>Des.</u> PID01	<u>349</u>	Item Description Type	M	<u>1 10 u</u> 1	ID 1/1
1 1001	549	Code indicating the format of a description	IVI	1	10 1/1
		S Structured (From Industry Code List)			
		The description will be found in PID	04		
PID02	750	Product/Process Characteristic Code	0 0	1	ID 2/3
TID02	750				
DIDAA	550	Code identifying the general class of a product or process cl			
PID03	559	Agency Qualifier Code	Х	I	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1	AN 1/1
		characteristic OP03CLENVT			
		Vertex			
PID05	352	Description	X	-	AN 1/8
		A free-form description to clarify the related data elements a	ind thei	r cor	itent
PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being	desc	ribed
PID07	822	Source Subqualifier	0	1	AN 1/1
		A reference that indicates the table or text maintained by the	Source	Qu	alifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		st	

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

		Data Element Summary			
Ref. <u>Des.</u> MEA01	Data <u>Element</u> 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u> O	<u>ribu</u> 1	<u>tes</u> ID 2/2
		Code identifying the broad category to which a measurement	applie	s	
		OD Ordered Dimensions			
MEA02	738	Measurement Qualifier	0	1	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	to whi	ch a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 99.9			
MEA04	C001	Composite Unit of Measure	Χ	1	
		<i>To identify a composite unit of measure (See Figures Appenduse)</i>	dix for	exam	ples of
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or m	anne	r in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or m	anne	r in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or m	anne	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	e		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measu rement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description - Optical Z

Segment:	PID Product/Item Description - Optical Zone
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Optical Zone information.

Data Element Summary

DC					
Ref.	Data Element	Name	A ++-	ribut	too
<u>Des.</u> PID01	<u>349</u>	Item Description Type	M Att		ID 1/1
FIDUI	349	Code indicating the format of a description	IVI	T	ID 1/1
		S Structured (From Industry Code List)			
		· · · ·	0.4		
DID())	750	The description will be found in PID		1	ID 2/3
PID02	750	Product/Process Characteristic Code	0	-	/-
		Code identifying the general class of a product or process cl			
PID03	559	Agency Qualifier Code	Х	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Χ	1	AN 1/1
		characteristic OP03CLENOZ			
		Optical Zone		_	
PID05	352	Description	X	-	AN 1/8
		A free-form description to clarify the related data elements a	ind their	r con	tent
PID06	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desci	ribed
PID07	822	Source Subqualifier	0	1	AN 1/1
		A reference that indicates the table or text maintained by the	e Source	Qua	lifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		st	

М

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Attı</u>	ribut	<u>es</u> ID 2/2
MEAUI	151		0	-	ID 2/2
		Code identifying the broad category to which a measurement OD Ordered Dimensions	applies		
MEA02	738		0	1	ID 1/3
MEA02	/38	Measurement Qualifier	0	-	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	to whic	ch a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 99.9			
MEA04	C001	Composite Unit of Measure	Χ	1	
		<i>To identify a composite unit of measure (See Figures Appenduse)</i>	lix for e	examp	oles of
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	inner	in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	!, or ma	inner	in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
<i>C00107</i>	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	!, or ma	inner	in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		<i>Code used to express an attribute response when a numeric cannot be determined</i>	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Descriptio Thick

Segment:	PID Product/Item Description - Thickness
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Thickness information.

Data Element Summary

		Data Element Summary		
Ref. <u>Des.</u>	Data Element	Name	A +1	ributes
<u>Des.</u> PID01	<u>Element</u> 349		M Au	<u>1 ID 1/1</u>
PID01	549	Item Description Type Code indicating the format of a description	IVI	I ID 1/1
		The description will be found in PID		
PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
		Code identifying the general class of a product or process c	haracte	ristic
PID03	559	Agency Qualifier Code	Х	1 ID 2/2
		Code identifying the agency assigning the code values		
		AB Assigned by Buyer		
PID04	751	Product Description Code	Χ	1 AN 1/1
		characteristic OP03CLENTK Thickness		
DIDOS	252		17	1 4 1 7 1 /6
PID05	352	Description	X	1 AN 1/8
		A free -form description to clarify the related data elements		
PID06	752	Surface/Layer/Position Code	0	1 ID 2/2
		Code indicating the product surface, layer or position that i	s being	described
PID07	822	Source Subqualifier	0	1 AN 1/1
		A reference that indicates the table or text maintained by th	e Source	e Qualifier
PID08	1073	Yes/No Condition or Response Code	0	1 ID 1/1
		Code indicating a Yes or No condition or response		
PID09	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		ist

М

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA 05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data			
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	Att	<u>ributes</u> 1 ID 2/2
MEAUI	131		0	
		Code identifying the broad category to which a measurement OD Ordered Dimensions	appne	S
MEA02	738		0	1 ID 1/3
MEA02	/30	Measurement Qualifier	U	1 12 1/0
		Code identifying a specific product or process characteristic measurement applies	to whi	cn a
MEA03	739	Measurement Value	Х	1 R 1/20
		The value of the measurement		
		Format of 9.99		
MEA04	C001	Composite Unit of Measure	X	1
		<i>To identify a composite unit of measure (See Figures Appenduse)</i>	lix for a	examples of
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	anner in
C00102	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00103	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	anner in
C00105	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
<i>C00107</i>	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	anner in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or me	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	е		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description - Truncation

Segment:	PID Product/Item Description - Truncation
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Truncation information.

Data Element Summary

	_	Data Element Summary			
Ref.	Data	N		••	
Des.	Element	<u>Name</u>		tribu	
PID01	349	Item Description Type	Μ	1	ID 1/1
		Code indicating the format of a description			
		S Structured (From Industry Code List)			_
		The description will be found in PII			
PID02	750	Product/Process Characteristic Code	0	-	ID 2/3
		Code identifying the general class of a product or process of	characte	ristic	;
PID03	559	Agency Qualifier Code	Х	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1	AN 1/1
		characteristic OP03CLENTR		-	
DID 05	250	Truncation	V	,	ANT 1/0
PID05	352	Description	X	-	AN 1/8
D T D A C		A free-form description to clarify the related data elements			
PID06	752	Surface/Layer/Position Code	0	-	ID 2/2
		Code indicating the product surface, layer or position that	-		
PID07	822	Source Subqualifier	0	-	AN 1/1.
		A reference that indicates the table or text maintained by th			
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standar maintained by the International Standards Organization (I		ist	

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u>	tribu 1	<u>tes</u> ID 2/2
MLAUI	151		t annlia	_	ID 2/2
		Code identifying the broad category to which a measuremen OD Ordered Dimensions	t appne	s	
MEA02	738	Measurement Qualifier	0	1	ID 1/3
MEA02	/30		U	-	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	to whi	icn a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 9.9			
MEA04	C001	Composite Unit of Measure	Χ	1	
		<i>To identify a composite unit of measure (See Figures Appenuse)</i>	dix for	exan	ples of
C00101	355	Unit or Basis for Measurement Code	М		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
<i>C00107</i>	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anne	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or me	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement rang	e		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	e		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item De corintic Sogmont Hoight

Segment:	PID Product/Item Description - Segment Height
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Segment Height information.

Data Element Summary

		Data Element Summary			
Ref.	Data				
<u>Des.</u>	<u>Element</u>	Name		tribu	
PID01	349	Item Description Type	Μ	1	ID 1/1
		Code indicating the format of a description			
		S Structured (From Industry Code List)			
		The description will be found in PI	D04.		
PID02	750	Product/Process Characteristic Code	0	1	ID 2/3
		Code identifying the general class of a product or process	characte	risti	2
PID03	559	Agency Qualifier Code	Х	1	ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	Х	1	AN 1/1
		characteristic OP03CLENSH Segment Height			
PID05	352	Description	X	1	AN 1/8
11005	552	A free-form description to clarify the related data elements		-	
PID06	752	Surface/Layer/Position Code	0 0		ID 2/2
TID00	152	Code indicating the product surface, layer or position that	U	-	
PID07	822		o o o o o o o o o o o o o o o o o o o		AN 1/1
PID0/	022	Source Subqualifier	U	-	
	1072	A reference that indicates the table or text maintained by the			•
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
B 1 B 4 6	0.10	Code indicating a Yes or No condition or response	0		
PID09	819	Language Code	0	_	ID 2/3
		Code designating the language used in text, from a standar maintained by the International Standards Organization (I		ist	

М

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
Des.	Element	Name	Att	ributes	
MEA01	737	Measurement Reference ID Code	0	1 ID 2/2	2
		Code identifying the broad category to which a measurement	applies	5	
		OD Ordered Dimensions			
MEA02	738	Measurement Qualifier	0	1 ID 1/3	3
		Code identifying a specific product or process characteristic measurement applies	to whi	ch a	
MEA03	739	Measurement Value	Х	1 R 1/2	:0
		The value of the measurement			
		Format of 9.99			
MEA04	C001	Composite Unit of Measure	X	1	
		To identify a composite unit of measure (See Figures Appenduse)	lix for e	examples of	f
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2	2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	nner in	
C00102	1018	Exponent	0	R 1/1.	5
		Power to which a unit is raised			
C00103	649	Multiplier	0	R 1/1	0
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0	ID 2/2	2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or mc	inner in	
C00105	1018	Exponent	0	R 1/1.	5
		Power to which a unit is raised			
C00106	649	Multiplier	0	R 1/1	0
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0	ID 2/2	2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or mc	inner in	

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or ma	inne	r in
<i>C00114</i>	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement range	2		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measure	ement ve	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measure	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description - Secondary Curves

Segment:	PID Product/Item Description - Secondary Curves
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Secondary Curve information.

Data Element Summary

	_	Data Element Summary		
Ref.	Data	NY.		
Des.	Element	<u>Name</u>		ributes
PID01	349	Item Description Type	Μ	1 ID 1/1
		Code indicating the format of a description		
		S Structured (From Industry Code List)		
		The description will be found in PI		
PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
		Code identifying the general class of a product or process	characte	ristic
PID03	559	Agency Qualifier Code	Х	1 ID 2/2
		Code identifying the agency assigning the code values		
		AB Assigned by Buyer		
PID04	751	Product Description Code	Х	1 AN 1/1
		characteristic OP03CLENSC Secondary Curves		
PID05	352	Description	X	1 AN 1/8
11205	552	<i>A free-form description to clarify the related data elements</i>		
PID06	752	Surface/Layer/Position Code	0	1 ID 2/2
I ID00	152	Code indicating the product surface, layer or position that	U	/ -
PID07	822	Source Subqualifier	0 O	1 AN 1/1
TID07	022	* *	U	
PID08	1073	A reference that indicates the table or text maintained by the Yes/No Condition or Response Code	ie sourci 0	1 ID 1/1
FID08	1075	-	0	1 ID 1/1
	010	Code indicating a Yes or No condition or response	0	1 10 2/2
PID09	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standar maintained by the International Standards Organization (1		ist

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data			
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	Att	ributes 1 ID 2/2
MEAUI	131		0	/
		Code identifying the broad category to which a measuremen OD Ordered Dimensions	it applies	S
MEA02	738		0	1 ID 1/3
MEA02	/38	Measurement Qualifier	0	1 12 1/0
		Code identifying a specific product or process characterist measurement applies	ec to whi	ch a
MEA03	739	Measurement Value	Х	1 R 1/20
		The value of the measurement		
		Format of 99.9		
MEA04	C001	Composite Unit of Measure	X	1
		To identify a composite unit of measure (See Figures Appenuse)	ndix for a	examples of
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anner in
C00102	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00103	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anner in
C00105	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
<i>C00107</i>	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anner in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	inne	r in
<i>C00114</i>	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	ę		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item De corintic Dorinhorol C

Segment:	PID Product/Item Description - Peripheral Curves
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Peripheral Curve information.

Data Element Summary

	_	Data Element Summary		
Ref.	Data			
Des.	<u>Element</u>	<u>Name</u>		<u>ributes</u>
PID01	349	Item Description Type	Μ	1 ID 1/1
		Code indicating the format of a description		
		S Structured (From Industry Code List)		
		The description will be found in PII		
PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
		Code identifying the general class of a product or process of	haracte	ristic
PID03	559	Agency Qualifier Code	Х	1 ID 2/2
		Code identifying the agency assigning the code values		
		AB Assigned by Buyer		
PID04	751	Product Description Code	Х	1 AN 1/1
		characteristic OP03CLENPC Peripheral Curves		
PID05	352	Description	X	1 AN 1/8
11005	552	A free-form description to clarify the related data elements		
PID06	752	Surface/Layer/Position Code	0 <i>0</i>	1 ID 2/2
TID00	152	Code indicating the product surface, layer or position that	U	
PID07	822		o Deing	1 AN 1/1
PID0/	022	Source Subqualifier	U	
	1072	A reference that indicates the table or text maintained by the $N = 0$		•
PID08	1073	Yes/No Condition or Response Code	0	1 ID 1/1
00		Code indicating a Yes or No condition or response	-	
PID09	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standar maintained by the International Standards Organization (IS		ist

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA 05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data				
Des.	Element	Name	Att	ribut	
MEA01	737	Measurement Reference ID Code	0	_	ID 2/2
		Code identifying the broad category to which a measurement	applies		
		OD Ordered Dimensions			
MEA02	738	Measurement Qualifier	0	-	ID 1/3
		Code identifying a specific product or process characteristic measurement applies	to whic	ch a	
MEA03	739	Measurement Value	Х	1	R 1/20
		The value of the measurement			
		Format of 99.9			
MEA04	C001	Composite Unit of Measure	X	1	
		To identify a composite unit of measure (See Figures Appenduse)	lix for e	exam	ples of
C00101	355	Unit or Basis for Measurement Code	Μ		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	nner	r in
C00102	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00103	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00104	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	nner	r in
C00105	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00106	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00107	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	l, or ma	nnei	r in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or ma	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement rang	е		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	e		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that i	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

PID Product/Item Description - Lenticular Optical Zone

Segment:	PID Product/Item Description - Lenticular Optical Zone
Position:	0500
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID04 is required.
	5 If PID09 is present, then PID05 is required.
Semantic Notes:	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; an "N" indicates it does
	not apply. Any other value is indeterminate.
	4 PID09 is used to identify the language being used in PID05.
Comments:	1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If
	PID01 equals "X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in
	the segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	This PID Loop is used to specify Lenticular Optical Zone information.

		Data Element Summary		
Ref. Des.	Data Element	Name	A ##	ributes
<u>Des.</u> PID01	<u>349</u>	Item Description Type	M	1 ID 1/1
11001	547	Code indicating the format of a description	IVI	I ID I/1
		S Structured (From Industry Code List)		
		The description will be found in PID	04.	
PID02	750	Product/Process Characteristic Code	0	1 ID 2/3
		Code identifying the general class of a product or process c	haracte	ristic
PID03	559	Agency Qualifier Code	Х	1 ID 2/2
		Code identifying the agency assigning the code values		
		AB Assigned by Buyer		
PID04	751	Product Description Code	Х	1 AN 1/
		OP03CLENLZ Lenticular Optical Zone		
PID05	352	Description	X	1 AN 1/
11200	002	A free-form description to clarify the related data elements a		
PID06	752	Surface/Layer/Position Code	0	1 ID 2/2
		Code indicating the product surface, layer or position that i	s being	described
PID07	822	Source Subqualifier	0	1 AN 1/
		A reference that indicates the table or text maintained by the	e Source	e Qualifier
PID08	1073	Yes/No Condition or Response Code	0	1 ID 1/1
		Code indicating a Yes or No condition or response		
PID09	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		ist

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data			
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	<u>Att</u>	<u>ributes</u> 1 ID 2/2
MLAUI	151		t annlia	
		Code identifying the broad category to which a measuremen OD Ordered Dimensions	t appne	8
MEA02	738	Measurement Qualifier	0	1 ID 1/3
MILA02	/30		U	1 12 1/0
		Code identifying a specific product or process characteristi measurement applies	c io wni	cn a
MEA03	739	Measurement Value	Х	1 R 1/20
		The value of the measurement		
		Format of 99.9		
MEA04	C001	Composite Unit of Measure	X	1
		<i>To identify a composite unit of measure (See Figures Apperuse)</i>	dix for	examples of
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or m	anner in
C00102	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00103	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	ed, or m	anner in
C00105	1018	Exponent	0	R 1/15
		Power to which a unit is raised		
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value		
C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or m	anner in

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expresse which a measurement has been taken	d, or ma	anne	r in
C00114	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement rang	е		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measur	ement v	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measur	emer	nt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			
		~ ~ ~ ~ *			

PID Product/Item De corintion Segment Height Ma rod Aftor Tr montic

Segment:	PID	Product/Item Description - Segment Height Measured A	After Tri	incation
Position:	0500	Trouter tem Description Segment freight freusuren		
Loop:	PO1-PID)		
Level:	Detail			
Usage:	Optional			
Max Use: Purpose:	1 To descri	ibe a product or process in coded or free-form format		
Syntax Notes:		D04 is present, then PID03 is required.		
Sy 11001 1 (00050		east one of PID04 or PID05 is required.		
		D07 is present, then PID03 is required.		
		1D08 is present, then PID04 is required.		
emantic Notes:		D09 is present, then PID05 is required. PID03 to indicate the organization that publishes the code li	st baing i	rafarrad to
emantic Notes.		04 should be used for industry-specific product description of		
		08 describes the physical characteristics of the product ident		ID04. A
		indicates that the specified attribute applies to this item; an	"N" indic	ates it does
		apply. Any other value is indeterminate.		
Comments:		09 is used to identify the language being used in PID05. D01 equals "F", then PID05 is used. If PID01 equals "S", th	en PID0/	1 is used If
Comments.		01 equals "X", then both PID04 and PID05 are used.		15 usea. II
		PID06 when necessary to refer to the product surface or laye	er being o	lescribed in
		segment.		
Notor		07 specifies the individual code list of the agency specified i		
Notes:		<u>O Loop is used to specify whether or not the Segment Hei</u> en after Truncation.	ignt meas	<u>surement</u>
		Data Element Summary		
Ref.	Data			
Des.	Element	<u>Name</u>		tributes
PID01	349	Item Description Type	Μ	1 ID 1/1
		Code indicating the format of a description		
		Code indicating the format of a description Structured (From Industry Code List))	
		S Structured (From Industry Code List)		_
PID02	750	S Structured (From Industry Code List) The description will be found in PI		1 ID 2/3
PID02	750	S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code	D04. <i>O</i>	1 ID 2/3 ristic
		S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code Code identifying the general class of a product or process	D04. O characte	ristic
PID02 PID03	750 559	S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code Code identifying the general class of a product or process Agency Qualifier Code	D04. <i>O</i>	
		S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code Code identifying the general class of a product or process Agency Qualifier Code Code identifying the agency assigning the code values	D04. O characte	ristic
	559	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by Buyer	D04. O characte X	ristic 1 ID 2/2
PID03		SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by BuyerProduct Description Code	D04. O characte X X	ristic 1 ID 2/2 1 AN 1/12
PID03	559	S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code Code identifying the general class of a product or process Agency Qualifier Code Code identifying the agency assigning the code values AB Assigned by Buyer Product Description Code A code from an industry code list which provides specific	D04. O characte X X data abou	ristic 1 ID 2/2 1 AN 1/12
PID03	559	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lenge	D04. O characte X X data abou	ristic 1 ID 2/2 1 AN 1/12
PID03	559	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lengerOP03CLENST	D04. O characte X X data abou gth.	ristic 1 ID 2/2 1 AN 1/12
PID03	559 751	S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code Code identifying the general class of a product or process Agency Qualifier Code Code identifying the agency assigning the code values AB Assigned by Buyer Product Description Code A code from an industry code list which provides specific The color description can be up to 20 characters in lenge OP03CLENST Segment Height Measured After Tran	D04. O characte X X data abou gth.	ristic 1 ID 2/2 1 AN 1/12
PID03 PID04	559	S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code Code identifying the general class of a product or process Agency Qualifier Code Code identifying the agency assigning the code values AB Assigned by Buyer Product Description Code A code from an industry code list which provides specific The color description can be up to 20 characters in lenge OP03CLENST Segment Height Measured After Trans Description	D04. O characte X X data abou <u>th.</u> nslation X	<i>ristic</i> 1 ID 2/2 1 AN 1/12 ut a product char <i>1 AN 1/80</i>
PID03 PID04	559 751	S Structured (From Industry Code List) The description will be found in PI Product/Process Characteristic Code Code identifying the general class of a product or process Agency Qualifier Code Code identifying the agency assigning the code values AB Assigned by Buyer Product Description Code A code from an industry code list which provides specific The color description can be up to 20 characters in lenge OP03CLENST Segment Height Measured After Tran	D04. O characte X X data abou <u>th.</u> nslation X	<i>ristic</i> 1 ID 2/2 1 AN 1/12 ut a product char <i>1 AN 1/80</i>
PID03 PID04 PID05 PID06	559 751 <i>352</i> <i>752</i>	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lenge OP03CLENSTDescriptionA free-form description to clarify the related data elements and Surface/Layer/Position CodeCode indicating the product surface, layer or position that is to	D04. O characte X X data abou gth. nslation X nd their co O	ristic 1 ID 2/2 1 AN 1/12 at a product char <i>1 AN 1/80</i> ontent <i>1 ID 2/2</i> cribed
PID03 PID04 PID05	559 751 352	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lenge OP03CLENSTDescriptionA free-form description to clarify the related data elements an Surface/Layer/Position CodeCode indicating the product surface, layer or position that is a Source Subqualifier	D04. O characte X X data about gth. nslation X nd their co O being deso O	ristic 1 ID 2/2 1 AN 1/12 at a product char <i>1 AN 1/80</i> <i>ontent</i> <i>1 ID 2/2</i> cribed <i>1 AN 1/15</i>
PID03 PID04 PID05 PID06 PID07	559 751 352 752 822	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lenge OP03CLENSTOP03CLENSTDescriptionA free-form description to clarify the related data elements an Surface/Layer/Position CodeCode indicating the product surface, layer or position that is a Source SubqualifierA reference that indicates the table or text maintained by the data	D04. O characte X X data abou gth. nslation X nd their co O being desu O Source Qu	ristic 1 ID 2/2 1 AN 1/12 at a product char <i>1 AN 1/80</i> ontent <i>1 ID 2/2</i> cribed <i>1 AN 1/15</i> ualifier
PID03 PID04 PID05 PID06	559 751 <i>352</i> <i>752</i>	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lengOP03CLENSTSegment Height Measured After TransDescriptionA free-form description to clarify the related data elements and Surface/Layer/Position CodeCode indicating the product surface, layer or position that is a Source SubqualifierA reference that indicates the table or text maintained by the surface/Loge/LogeYes/No Condition or Response Code	D04. O characte X X data about gth. nslation X nd their co O being deso O	ristic 1 ID 2/2 1 AN 1/12 at a product char <i>1 AN 1/80</i> <i>ontent</i> <i>1 ID 2/2</i> cribed <i>1 AN 1/15</i>
PID03 PID04 PID05 PID06 PID07	559 751 352 752 822	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lenge OP03CLENSTOP03CLENSTSegment Height Measured After TransDescriptionA free-form description to clarify the related data elements and Source Cude indicating the product surface, layer or position that is a Source SubqualifierA reference that indicates the table or text maintained by the A Yes/No Condition or Response CodeCode indicating a Yes or No condition or response	D04. O characte X X data abou gth. nslation X nd their co O being desu O Source Qu	ristic 1 ID 2/2 1 AN 1/12 at a product char <i>1 AN 1/80</i> ontent <i>1 ID 2/2</i> cribed <i>1 AN 1/15</i> ualifier
PID03 PID04 PID05 PID06 PID07	559 751 352 752 822	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lengeOP03CLENSTSegment Height Measured After TransDescriptionA free-form description to clarify the related data elements and Surface/Layer/Position CodeCode indicating the product surface, layer or position that is a Source SubqualifierA reference that indicates the table or text maintained by the second to the product or processNNo	D04. O characte X X data abou gth. nslation X nd their co O being desu O Source Qu	ristic 1 ID 2/2 1 AN 1/12 at a product char <i>1 AN 1/80</i> ontent <i>1 ID 2/2</i> cribed <i>1 AN 1/15</i> ualifier
PID03 PID04 PID05 PID06 PID07 PID08	559 751 352 752 822 1073	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in leng OP03CLENSTOP03CLENSTSegment Height Measured After Trans DescriptionA free-form description to clarify the related data elements and Surface/Layer/Position CodeCode indicating the product surface, layer or position that is a Source SubqualifierA reference that indicates the table or text maintained by the A YesNNNNNNYes	D04. O characte X X data abou gth. nslation X nd their co O being deso O Source Qi O	ristic 1 ID 2/2 1 AN 1/12 at a product char 1 AN 1/80 ontent 1 ID 2/2 cribed 1 AN 1/15 ualifier 1 ID 1/1
PID03 PID04 PID05 PID06 PID07	559 751 352 752 822	SStructured (From Industry Code List)The description will be found in PIProduct/Process Characteristic CodeCode identifying the general class of a product or processAgency Qualifier CodeCode identifying the agency assigning the code valuesABABAssigned by BuyerProduct Description CodeA code from an industry code list which provides specificThe color description can be up to 20 characters in lengeOP03CLENSTSegment Height Measured After TransDescriptionA free-form description to clarify the related data elements and Surface/Layer/Position CodeCode indicating the product surface, layer or position that is a Source SubqualifierA reference that indicates the table or text maintained by the second to the product or processNNo	D04. O characte X X data abou gth. nslation X nd their co O being deso O Source Qu O	ristic 1 ID 2/2 1 AN 1/12 at a product char 1 AN 1/80 ontent 1 ID 2/2 cribed 1 AN 1/15 ualifier 1 ID 1/1 1 ID 2/3

PID Product/Item Description - Prism Segment: **Position:** 0500 PO1-PID Loop: Level: Detail **Usage:** Optional Max Use: 1 **Purpose:** To describe a product or process in coded or free-form format Syntax Notes: If PID04 is present, then PID03 is required. 1 2 At least one of PID04 or PID05 is required. If PID07 is present, then PID03 is required. 3 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required. Semantic Notes: 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; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05. **Comments:** If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If 1 PID01 equals "X", then both PID04 and PID05 are used.

- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.
 Notes: This PID Loop is used to specify Prism information.

Ref. <u>Des.</u>	Data <u>Element</u>	Name	A 11	ribut	06
<u>Des.</u> PID01	<u>349</u>	Item Description Type	M		<u>.cs</u> ID 1/1
11201	012	Code indicating the format of a description		-	10 1/1
		S Structured (From Industry Code List)			
		The description will be found in PID	04.		
PID02	750	Product/Process Characteristic Code	0	1	ID 2/3
		Code identifying the general class of a product or process cl	haracte	ristic	
PID03	559	Agency Qualifier Code	Х		ID 2/2
		Code identifying the agency assigning the code values			
		AB Assigned by Buyer			
PID04	751	Product Description Code	X	1	AN 1/1
		characteristic OP03CLENPM Prism			
		Prism			
PID05	352	Description	X	-	AN 1/80
		A free-form description to clarify the related data elements a	ind thei	r con	tent
PID06	752	Surface/Layer/Position Code	0	-	ID 2/2
		Code indicating the product surface, layer or position that is	s being	descr	ribed
PID07	822	Source Subqualifier	0	1	AN 1/15
		A reference that indicates the table or text maintained by the	Source	e Qua	lifier
PID08	1073	Yes/No Condition or Response Code	0	1	ID 1/1
		Code indicating a Yes or No condition or response			
PID09	819	Language Code	0	1	ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (IS		ist	

Segment:	MEA Measurements
Position:	0600
Loop:	PO1-PID
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances,
	and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 Only one of MEA04 or MEA12 may be present.
	3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
	4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
	5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	6 Only one of MEA08 or MEA03 may be present.
	7 If either MEA11 or MEA12 is present, then the other is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
	2 MEA11 is the external code list for the unit of measure.
	3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an
	external code list.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Ref.	Data	N		.
<u>Des.</u> MEA01	Element 737	<u>Name</u> Measurement Reference ID Code	0 0	<u>ributes</u> 1 ID 2/2
	101	Code identifying the broad category to which a measureme	nt annlies	
		OD Ordered Dimensions	in appric.	3
MEA02	738	Measurement Qualifier	0	1 ID 1/3
MERIO 2	,20	Code identifying a specific product or process characterist	•	/-
		measurement applies	<i>ic io whi</i>	cn u
MEA03	739	Measurement Value	X	1 R 1/20
		The value of the measurement		
		Format of 9.99		
MEA04	C001	Composite Unit of Measure	X	1
		To identify a composite unit of measure (See Figures Appe	ndix for a	examples of
		use)		
C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
		Code specifying the units in which a value is being express	ed, or ma	nner in
<i>C00102</i>	1018	which a measurement has been taken	0	R 1/15
C00102	1018	Exponent Power to which a unit is raised	0	K 1/13
000102	(10		0	D 1/10
C00103	649	Multiplier	0	R 1/10
600104	255	Value to be used as a multiplier to obtain a new value	0	
<i>C00104</i>	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being express which a measurement has been taken	ed, or ma	anner in
C00105	1018	Exponent	0	R 1/15
000105	1010	Power to which a unit is raised	U	IC 1/ 10
C00106	649	Multiplier	0	R 1/10
		Value to be used as a multiplier to obtain a new value	-	
C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
200107		Code specifying the units in which a value is being express	U	/ -
		which a measurement has been taken	eu, or mu	unnet tit

C00108	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00109	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00110	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or ma	inne	r in
C00111	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00112	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
C00113	355	Unit or Basis for Measurement Code	0		ID 2/2
		Code specifying the units in which a value is being expressed which a measurement has been taken	d, or ma	inne	r in
<i>C00114</i>	1018	Exponent	0		R 1/15
		Power to which a unit is raised			
C00115	649	Multiplier	0		R 1/10
		Value to be used as a multiplier to obtain a new value			
MEA05	740	Range Minimum	X	1	R 1/20
		The value specifying the minimum of the measurement range	2		
MEA06	741	Range Maximum	X	1	R 1/20
		The value specifying the maximum of the measurement range	2		
MEA07	935	Measurement Significance Code	0	1	ID 2/2
		Code used to benchmark, qualify or further define a measure	ement ve	alue	
MEA08	936	Measurement Attribute Code	X	1	ID 2/2
		Code used to express an attribute response when a numeric cannot be determined	measure	emer	ıt value
MEA09	752	Surface/Layer/Position Code	0	1	ID 2/2
		Code indicating the product surface, layer or position that is	s being a	desc	ribed
MEA10	1373	Measurement Method or Device	0	1	ID 2/4
		The method or device used to record the measurement			
MEA11	1270	Code List Qualifier Code	X	1	ID 1/3
		Code identifying a specific industry code list			
MEA12	1271	Industry Code	X	1	AN 1/30
		Code indicating a code from a specific industry code list			

REF Poforonce Informatio

Segment:	REF Reference Information
Position:	1000
Loop:	PO1
Level:	Detail
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:	This segment is used to identify the customer ID.

			Data Element Summary			
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>	Att	ribu	<u>tes</u>
Μ	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	Μ	1	ID 2/3
			CR Customer Reference Number			
	REF02	127	Reference Identification	Х	1	AN 1/50
			Reference information as defined for a particular Transac specified by the Reference Identification Qualifier	tion Set or	as	
	REF03	352	Description	X	1	AN 1/80
			A free -form description to clarify the related data elemen	ts and thei	r con	tent
	REF04	<i>C040</i>	Reference Identifier	0	1	
			To identify one or more reference numbers or identification specified by the Reference Qualifier	on number	s as	
	C04001	128	Reference Identification Qualifier	М		ID 2/3
			Code qualifying the Reference Identification			
	C04002	127	Reference Identification	М		AN 1/50
			Reference information as defined for a particular Transa specified by the Reference Identification Qualifier	ction Set o	r as	
	C04003	128	Reference Identification Qualifier	X		ID 2/3
			Code qualifying the Reference Identification			
	C04004	127	Reference Identification	X		AN 1/50
			<i>Reference information as defined for a particular Transa specified by the Reference Identification Qualifier</i>	ction Set o	r as	
	C04005	128	Reference Identification Qualifier	X		ID 2/3
			Code qualifying the Reference Identification			
	C04006	127	Reference Identification	X		AN 1/50
			Reference information as defined for a particular Transa specified by the Reference Identification Qualifier	ction Set o	r as	

SAC a . -... A 11. ~-_ ~

Segment:	SAC	ヽ ∠ Service, Pro	omotion, Allowance, or Charge Information	
Position:	1300	,	, , , ,	
Loop:	PO1-SA	2		
Level:	Detail			
Usage:	Optional			
Max Use:	1		· · · · · · · · · · · · · · · · · · ·	· C 1
Purpose:			service, promotion, allowance, or charge; to sp	pecify the amount
Syntax Notes:			rvice, promotion, allowance, or charge C02 or SAC03 is required.	
Byntax Hotes.			SAC04 is present, then the other is required.	
			SAC07 is present, then the other is required.	
	4 If eit		SAC10 is present, then the other is required.	
			t, then SAC10 is required.	
			t, then SAC13 is required.	
Semantic Notes:			it, then SAC15 is required. "C" then at least one of SAC05, SAC07, or S	ACO2 is required
Semantic Notes:			"C", then at least one of SAC05, SAC07, or Sa amount for the service, promotion, allowance, or	
			t with SAC07 or SAC08, then SAC05 takes pro-	
		*	ance or charge rate per unit.	
			l is the quantity basis when the allowance or ch	arge quantity is
			purchase order or invoice quantity.	
			used together indicate a quantity range, which	
			licable to service, promotion, allowance, or cha	
			onjunction with SAC02 or SAC04 to provide a ed by the code used.	specific reference
			conjunction with SAC13 to identify an option w	hen there is more
			the promotion.	
			dentify the language being used in SAC15.	
Comments:			ed to uniquely identify the service, promotion, a	
			, it may be used in conjunction with SAC03 to	further define
	SAC 2 In ac		miliantiana it is no second to advise the trading	montmon of the
			pplications, it is necessary to advise the trading nt that a particular allowance, charge, or promo	
			y. This amount is commonly referred to as "Do	
			esented in the SAC segment in SAC10 using th	
		ars in SAC09.		•
Notes:			for each Allowance, Charge, Service, or Pror	
	-	0	ent appears in the header area of the transac	,
			ansaction set. If this segment appears in the ta applies only to that line item. The data spo	
			ve of the data specified in the detail area; it is	
			area, i.e., allowances or charges.	
			al service requirement codes and special pro	cessing codes.
	This cod	e list is mainta	ained in Section III of this guideline.	
		Data	Element Summary	
Ref.	Data		-	
Des.	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
SAC01	248		r Charge Indicator	M 1 ID 1/1
			ndicates an allowance or charge for the service	specified
		Α	Allowance	
		С	Charge	
SAC02	1300		motion, Allowance, or Charge Code	X 1 ID 4/4
		Code identify	ving the service, promotion, allowance, or charge	ge
		A260	Advertising Allowance	
		B000	Central Buy	
		B010	Cents Off	
(1) (1) (005010)		1171 14	and the set of a set of set	117

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D270	Callest Sunchange
B270 B320	Collect Surcharge Competitive Allowance
B520 B690	Controlled Atmosphere
B090 B720	Cooperative Advertising/Merchandising Allowance
D 720	(Performance)
B860	Customs Broker Fee
B870	Customs Charge
B940	Cutting Charge
B950	Damaged Merchandise
C000	Defective Allowance
C300	Discount - Special
C310	Discount
C320	Display Allowance
C490	Drum Deposit
C530	Duty Charge
C540	Early Buy Allowance
C550	Early Payment Allowance
C580	Emergency Service
D170	Free Goods
D240	Freight
D430	Gross Receipts Surcharge
D500	Handling
D870	Inspection
E720	New Distribution Allowance
E740	New Store Allowance
E750	New Store Discount
E760	New Warehouse Discount
F050	Other (See related description)
F180	Pallet
F210	Parish/County Sales Tax (only)
F330	Pickup and Delivery
F580	Preparation and Delivery
F670	Price and Marketing Allowance
F800	Promotional Allowance
F910	Quantity Discount
F920	Quantity Surcharge
F970	Rebate
G220	Refrigeration
G470	Restocking Charge
H010	Special Buy
H090	Special Handling
H420	Storage in Transit
H750	Tax - Sales Tax (State and Local)
H770	Tax - State Tax
H780	Tax - Super Fund Excise Tax
H910	Temperature Protection
H920	Temporary Allowance
1000	Testing
I170	Trade Discount
I310	Truckload Discount
1390	Unloading

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		I410	Unsaleable Merchandise Allowance			
		1530	Volume Discount			
		1570	Warehouse			
SAC03	559	Agency Qualifi	er Code	X	1	ID 2/2
		Code identifyin	g the agency assigning the code values			
SAC04	1301		e, Promotion, Allowance, or Charge Code	X	1	AN 1/10
		Agency mainta	ined code identifying the service, promotion,	allowan	ice, o	or
		charge				
SAC05	610	Amount		0	1	N2 1/15
		Monetary amou				
		required. This	contains code A or code C, then this data of will resolve any differences between the s	ender's	and	
		•	em calculations of amounts, i.e., rounding		vhen	
SAC06	378		charges are expressed in percentages or ra arge Percent Qualifier	ates. X	1	ID 1/1
SACOU	570		-		_	ID 1/1
			g on what basis allowance or charge percent : Base Price Amount	is calcula	ated	
SA C07	222	6 Barrant Dasin		x	1	D 1/C
SAC07	332	Percent, Decin			-	R 1/6
		Percent given in 100%)	n decimal format (e.g., 0.0 through 100.0 rep	resents (J% th	nrough
			sent with a decimal point only when need	ed. e.g	10.5	% is
		-	, and 2% is sent as "2".	,		
SAC08	118	Rate		0	1	R 1/9
		Rate expressed	in the standard monetary denomination for t	he curre	ncy	
	255	specified		•7	1	ID 2/2
SAC09	355		or Measurement Code	X	-	ID 2/2
			g the units in which a value is being expresse rement has been taken	ed, or ma	inner	' 1 n
		CA	Case			
		EA	Each			
SAC10	380	Quantity	Luch	х	1	R 1/15
bileit	200	Numeric value	of quantity	1	-	R 1/10
			contains code D170, this data element is re	equired	and	will
			antity of free goods. The unit of measure i			
		-	·			
			s used to indicate a specific quantity which			
SACII	200		s applicable to the service, promotion, allo			arge. <i>R 1/15</i>
SAC11	380	Quantity		0	1	K 1/13
GA (11)	221	Numeric value		0	1	ID 2/2
SAC12	331		Charge Method of Handling Code	0	I	ID 2/2
			g method of handling for an allowance or cha	irge		
		01	Bill Back			. 4 .]
			The allowance or charge amount wil as a separate item, i.e., a debit/credit	-		ated
			separate invoice. The amount will no			d in
			the invoice total amount.		leeve	u III
		02	Off Invoice			
			The allowance or charge amount wil	l be refl	ected	l in
			the total transaction amount, e.g., To		oice	
			Amount = Merchandise Price + Cha	rges -		
		02	Allowances. Vendor Check to Customer			
		03		v to the		
			The vendor will issue a check directl customer of the retailer, or end cons		or the	e
			allowance or charge amount. The an			
			reflected in the total invoice amount.			
			~ ~			

		04 Credit Customer Account		
		The retailer's account will be crea	dited for th	e
		amount of the allowance or charg	ge. The am	ount is
		not reflected in the total invoice a	mount.	
SAC13	127	Reference Identification	X	1 AN 1/5
		Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set o	r as
SAC14	770	Option Number	0	1 AN 1/2
		A unique number identifying available promotion or alle more than one is offered	owance opti	ons when
SAC15	352	Description	X	1 AN 1/8
		A free-form description to clarify the related data element	nts and thei	r content
SAC16	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a stan maintained by the International Standards Organization		ist

	Segment: Position: Loop: Level: Usage:	SDC 1900 PO1 Detail Optional	Destination Quan	tity			
	Max Use: Purpose: Syntax Notes:	500 To specif 1 If eit 2 If eit 3 If eit 4 If eit 5 If eit	fy destination and qua ther SDQ05 or SDQ0 ther SDQ07 or SDQ0 ther SDQ09 or SDQ1 ther SDQ11 or SDQ12 ther SDQ13 or SDQ14	ntity detail 6 is present, then the other is requi 8 is present, then the other is requi 0 is present, then the other is requi 2 is present, then the other is requi 4 is present, then the other is requi 6 is present, then the other is requi	red. red. red. red.		
ŝ	Semantic Notes:	 7 If eit 8 If eit 9 If eit 1 SDQ 	ther SDQ17 or SDQ1 ther SDQ19 or SDQ2 ther SDQ21 or SDQ2 Q23 identifies the area	8 is present, then the other is requi 0 is present, then the other is requi 2 is present, then the other is requi within the location identified in S	red. red. red. DQ03, SDQ03	5, SD(Q07,
	Comments:	1 SDQ 2 SDQ 3 SDQ sellin	002 is used only if dif 003 is the store numbe 023 may be used to id	SDQ15, SDQ17, SDQ19, and SD ferent than previously defined in the er. entify areas within a store, e.g., fro display, etc. The value is agreed to	he transaction	room	
		segment item mu <u>IMPOR'</u> <u>Wal-Ma</u> an SDQ <u>store nu</u>	function as N104. T st equal the quantity <u>FANT:</u> <u>rt uses Global Locat</u> <u>segment. These num</u> <u>mber by parsing it o</u> <u>ganizational Relation</u> <u>ere.</u>	ion Numbers (GLN) to represen abers are non-parseable. You ca ut of the GLN. You must refere aship) document and retrieve the	DQ segment(s) t each store lo annot determince the GLN) for a <u>ocatio</u> ine the from	a line o <u>n in</u> e the
	Ref.	Data	Data Elem	ent Summary			
[<u>Des.</u> SDQ01	Element 355	Name Unit or Basis for M Code specifying the which a measureme CA EA	units in which a value is being exp	М		ID 2/2
	SDQ02	66	Identification Code		for the identific tion within the tional Article ystem	tificat cation Unife Numb	of a orm ber
[SDQ03	67	Identification Code Code identifying a p		Μ	1	AN 2/80
[SDQ04	380	Quantity Numeric value of qu		М	1	R 1/15
	SDQ05	67	Identification Code Code identifying a p		X	1.	AN 2/80
	SDQ06	380	Quantity		X	1	R 1/15
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		Numeric value of quantity		
SDQ07	67	Identification Code	Х	1 AN 2/80
		Code identifying a party or other code		
SDQ08	380	Quantity	X	1 R 1/15
		Numeric value of quantity		
SDQ09	67	Identification Code	X	1 AN 2/80
		Code identifying a party or other code		
SDQ10	380	Quantity	X	1 R 1/15
		Numeric value of quantity		
SDQ11	67	Identification Code	X	1 AN 2/80
		Code identifying a party or other code		
SDQ12	380	Quantity	X	1 R 1/15
		Numeric value of quantity		
SDQ13	67	Identification Code	X	1 AN 2/80
		Code identifying a party or other code		
SDQ14	380	Quantity	X	1 R 1/15
		Numeric value of quantity		
SDQ15	67	Identification Code	X	1 AN 2/80
		Code identifying a party or other code		
SDQ16	380	Quantity	X	1 R 1/15
		Numeric value of quantity		
SDQ17	67	Identification Code	Х	1 AN 2/80
		Code identifying a party or other code		
SDQ18	380	Quantity	Х	1 R 1/15
		Numeric value of quantity		
SDQ19	67	Identification Code	X	1 AN 2/80
		Code identifying a party or other code		
SDQ20	380	Quantity	Х	1 R 1/15
		Numeric value of quantity		
SDQ21	67	Identification Code	X	1 AN 2/80
		Code identifying a party or other code		
SDQ22	380	Quantity	X	1 R 1/15
		Numeric value of quantity		
SDQ23	310	Location Identifier	0	1 AN 1/30
		Code which identifies a specific location		

Segment:	N9 Extended Reference Information - Store Number
Position:	3300
Loop:	PO1-N9
Level:	Detail
Usage:	Optional
Max Use:	1

To transmit identifying information as specified by the Reference Identification Qualifier At least one of N902 or N903 is required. 1

- If N906 is present, then N905 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. 4
- 1 N906 reflects the time zone which the time reflects.
 - 2 N907 contains data relating to the value cited in N902.

Comments: Notes:

Purpose:

Syntax Notes:

Semantic Notes:

Codes 3O, 3R, and 3T are reference number qualifiers used to identify a reference number assigned by the U.S. Customs Service (USCS) after they have reviewed an item and determined the proper tariff classification in the harmonized system. These rulings are binding to both the importer and U.S. Customs. These ruling numbers are required by U.S. Customs to be shown on entry documents.

			Data Element Summary			
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>	Att		
	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification	М	1	ID 2/3
			ST Store Number			
	N902	127	Reference Identification	X	1	AN 1/50
			Reference information as defined for a particular Trans	action Set or	as	
			specified by the Reference Identification Qualifier			
			Wal-Mart Global Location Number (GLN)			
	N903	369	Free-form Description	X	1	AN 1/45
			Free-form descriptive text			
	N904	373	Date	0	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents t	he first two a	ligi	ts of the
			calendar year		-	
	N905	337	Time	X	1	TM 4/8
			Time expressed in 24-hour clock time as follows: HHM. HHMMSSD, or HHMMSSDD, where $H = hours$ (00-23)			
			S = integer seconds (00-59) and DD = decimal seconds			
			expressed as follows: $D = tenths$ (0-9) and $DD = hundr$			us ure
	N906	623	Time Code	0		ID 2/2
			Code identifying the time. In accordance with Internation	onal Standar	ds	
			Organization standard 8601, time can be specified by a	a + or - and a	ın	
			indication in hours in relation to Universal Time Coord			
			+ is a restricted character, + and - are substituted by P	' and M in th	e co	des
	N907	<i>C040</i>	that follow Reference Identifier	0	1	
	11907	0010	To identify one or more reference numbers or identifica	-	-	
			specified by the Reference Qualifier	non number.	5 45	
	C04001	128	Reference Identification Qualifier	М		ID 2/3
			Code qualifying the Reference Identification			
	C04002	127	Reference Identification	М		AN 1/50
			Reference information as defined for a particular Trans	action Set of	r as	
			specified by the Reference Identification Qualifier			
	<i>C04003</i>	128	Reference Identification Qualifier	X		ID 2/3
			Code qualifying the Reference Identification			
	<i>C04004</i>	127	Reference Identification	X		AN 1/50
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		Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set or	as
C04005	128	Reference Identification Qualifier	X	ID 2/3
		Code qualifying the Reference Identification		
C04006	127	Reference Identification	X	AN 1/50
		Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set or	as

Segment:	N9 e	xtended Reference Information - Notes		
Position:	3300	xtended Reference Information - Notes		
Loop:	PO1-N9			
Level:	Detail			
Usage:	Optional			
Max Use:	1 To transm	nit identifying information as an aified by the Deference	a Idantification	Qualifian
Purpose: Syntax Notes:		nit identifying information as specified by the Reference east one of N902 or N903 is required.	e Identification	Quaimer
Syntax Hotes.		906 is present, then N905 is required.		
	3 If eit	ther C04003 or C04004 is present, then the other is requ		
		ther C04005 or C04006 is present, then the other is requ	ired.	
Semantic Notes:		6 reflects the time zone which the time reflects.		
Comments:	2 IN90	7 contains data relating to the value cited in N902.		
Notes:	number item and	D, 3R, and 3T are reference number qualifiers used t assigned by the U.S. Customs Service (USCS) after t I determined the proper tariff classification in the ha	hey have revie rmonized syste	wed an em.
		lings are binding to both the importer and U.S. Cust s are required by U.S. Customs to be shown on entry		ling
		Data Element Summary		
Ref.	Data	N	A •	1 4
<u>Des.</u> N901	Element 128	<u>Name</u> Reference Identification Qualifier	M M	<u>butes</u> 1 ID 2/3
		Code qualifying the Reference Identification		
		L1 Letters or Notes		
N902	127	Reference Identification	X	1 AN 1/50
		Reference information as defined for a particular Transpecified by the Reference Identification Qualifier This will always contain the literal, "Special Instru-		IS
N903	369	Free-form Description	X	1 AN 1/45
		Free-form descriptive text		
N904	373	Date	0	1 DT 8/8
		Date expressed as CCYYMMDD where CC represents	the first two di	gits of the
N005	227	calendar year	V	1 TM 1/9
N905	337	Time	X	1 TM 4/8
N906	623	Time expressed in 24-hour clock time as follows: HHM HHMMSSD, or HHMMSSDD, where $H =$ hours (00-2 S = integer seconds (00-59) and DD = decimal second expressed as follows: D = tenths (0-9) and DD = hund Time Code	23), M = minute ds; decimal seco	s (00-59),
		Code identifying the time. In accordance with Internal	tional Standard	\$
		Organization standard 8601, time can be specified by indication in hours in relation to Universal Time Coor	a + or - and an dinate (UTC) ti	i ime; since
		+ is a restricted character, + and - are substituted by that follow	P and M in the	codes
N907	<i>C040</i>	Reference Identifier	0	1
11,707	0070	To identify one or more reference numbers or identific	_	
C04001	128	specified by the Reference Qualifier Reference Identification Qualifier	М	ID 2/3
004001	120	Code qualifying the Reference Identification	101	ID 2/3
<i>C04002</i>	127	Reference Identification	М	AN 1/50
004002	127	Reference information as defined for a particular Tran		
<i>C04003</i>	128	specified by the Reference Identification Qualifier Reference Identification Qualifier	x	ID 2/3
004003	120		Λ	10 2/3
<i>C04004</i>	127	Code qualifying the Reference Identification Reference Identification	X	AN 1/50
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-rueu (005010)			12	~

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		Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set or	as
C04005	128	Reference Identification Qualifier	X	ID 2/3
		Code qualifying the Reference Identification		
C04006	127	Reference Identification	X	AN 1/50
		Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	action Set or	as

Segment: MTX Text

Segment:	IVI I ZX Text
Position:	3400
Loop:	PO1-N9
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify textual data
Syntax Notes:	1 If MTX01 is present, then MTX02 is required.
	2 If MTX03 is present, then MTX02 is required.
	3 If MTX05 is present, then MTX04 is required.
Semantic Notes:	1 MTX05 is the number of lines to advance before printing.
Comments:	1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05
	is required.

Ref.	Data	Data Element Summary		
Des.	<u>Element</u>	<u>Name</u>	<u>Attr</u>	<u>ibutes</u>
MTX01	363	Note Reference Code	0	1 ID 3/3
		Code identifying the functional area or purpose for which the	e note a	oplies
MTX02	1551	Textual Data	Х	1 AN 1/4096
		To transmit large volumes of message text		
		Wal-Mart will send no more than 80 characters in a single	e instan	ice.
MTX03	1551	Textual Data	0	1 AN 1/4096
		To transmit large volumes of message text		
MTX04	934	Printer Carriage Control Code	X	1 ID 2/2
		A field to be used for the control of the line feed of the received	ing prin	ter
MTX05	1470	Number	0	1 NO 1/9
		A generic number		
MTX06	819	Language Code	0	1 ID 2/3
		Code designating the language used in text, from a standard maintained by the International Standards Organization (ISC		at a start

AMT Monetary Amount Information

Segment:	AMT Monetary Amount Inform
Position:	6000
Loop:	PO1-AMT
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Comments:	

			Data Element Summary		
24	Ref. Des.	Data <u>Element</u>	Name		<u>ributes</u>
\mathbf{M}	AMT01	522	Amount Qualifier Code	Μ	1 ID 1/3
			Code to qualify amount		
			1 Line Item Total		
Μ	AMT02	782	Monetary Amount	Μ	1 R 1/18
			Monetary amount		
	AMT03	478	Credit/Debit Flag Code	0	1 ID 1/1
			Code indicating whether amount is a credit or debit		

CTT T

Segment:	CII Transaction Totals
Position:	0100
Loop:	CTT
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.

М	Ref. <u>Des.</u> CTT01	Data <u>Element</u> 354	Name Number of Line Items	<u>Att</u> M	t <u>ribu</u> 1	<u>ites</u> N0 1/6
			Total number of line items in the transaction set			
			The number of PO1 segments present in the transaction	ion set		
	<i>CTT02</i>	347	Hash Total	0	1	R 1/10
			Sum of values of the specified data element. All values in be summed without regard to decimal points (explicit or Truncation will occur on the left most digits if the sum is maximum size of the hash total of the data element.	implicit) of	r sigi	ns.
			Example:			
			0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 18E2 Fifth occurrence of value being hashed.			
	CTT03	81	 1873 Hash Total Weight	X	1	R 1/10
	01105	01	<i>weight</i> Numeric value of weight	Λ	1	K 1/10
	CTT04	355	Unit or Basis for Measurement Code	Х	1	ID 2/2
			Code specifying the units in which a value is being expre which a measurement has been taken	essed, or m	anne	r in
	CTT05	183	Volume	X	1	R 1/8
			Value of volumetric measure			
	<i>CTT06</i>	355	Unit or Basis for Measurement Code	X	1	ID 2/2
			Code specifying the units in which a value is being expre which a measurement has been taken	essed, or m	anne	er in
	<i>CTT07</i>	352	Description	0	1	AN 1/80
			A free-form description to clarify the related data element	nts and thei	r coi	ntent

AMT Monetary Amount Information

Segment:	AMT Monetary Amount Information
Position:	0200
Loop:	CTT
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To indicate the total monetary amount
Syntax Notes:	
Semantic Notes:	
Comments:	

			Data Element Summary		
	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
Μ	AMT01	522	Amount Qualifier Code	Μ	1 ID 1/3
			Code to qualify amount		
			TT Total Transaction Amount		
Μ	AMT02	782	Monetary Amount	Μ	1 R 1/18
			Monetary amount		
			This is the total amount of the purchase order (inclue	ding charge	es, less
			allowances) before terms discount (if discount is appl	icable).	
	AMT03	478	Credit/Debit Flag Code	0	1 ID 1/1
			Code indicating whether amount is a credit or debit		

SE Transaction Set Trailer

Segment:	SE Transaction Set Trailer
Position:	0300
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.

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>	Att	ributes
Μ	SE01	96	Number of Included Segments	Μ	1 N0 1/10
			Total number of segments included in a transaction set inclusegments	ıding ST	and SE
Μ	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the t functional group assigned by the originator for a transaction		1 AN 4/9 on set
			This must be the same number as is in the ST segment (stransaction set.	ST02) fo	or the

850 Purchase Order – ANSI X12 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.

850 Purchase Order – ANSI X12 Standards

Functional Group ID= \mathbf{PO}

Heading:

	Pos. <u>No.</u> 0100	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
М	0200	BEG	Beginning Segment for Purchase Order	М	1		
	0400	CUR	Currency	0	1		
	0500	REF	Reference Identification	0	>1		
	0600	PER	Administrative Communications Contact	0	3		
	0700	TAX	Tax Reference	0	>1		
	0800	FOB	F.O.B. Related Instructions	0	>1		
	0900	CTP	Pricing Information	0	>1		
	0950	PAM	Period Amount	0	10		
	1100	CSH	Sales Requirements	0	5		
	1150	TC2	Commodity	0	>1		
			LOOP ID - SAC			25	
	1200	SAC	Service, Promotion, Allowance, or Charge	0	1		
	1250	CUR	Information Currency	0	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	0	>1		
	1400	DIS	Discount Detail	0	20		
	1450	INC	Installment Information	0	1		
	1500	DTM	Date/Time Reference	0	10		
	1800	LIN	Item Identification	0	5		nl
	1850	SI	Service Characteristic Identification	0	>1		
	1900	PID	Product/Item Description	0	200		
	2000	MEA	Measurements	0	40		
	2100	PWK	Paperwork	0	25		
	2200	PKG	Marking, Packaging, Loading	0	200		
	2300	TD1	Carrier Details (Quantity and Weight)	0	2		
	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	0	>1		
	2500	TD3	Carrier Details (Equipment)	0	12		
	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		
	2700	MAN	Marks and Numbers	0	10		
	2760	PCT	Percent Amounts	0	>1		
	2800	CTB	Restrictions/Conditions	0	5		
	2850	TXI	Tax Information	0	>1		
			LOOP ID - LDT			>1	
	2855	LDT	Lead Time	0	1		
	2858	QTY	Quantity	0	>1		
	2860	MTX	Text	0	>1		
	2865	REF	Reference Identification	0	>1		
			LOOP ID - AMT			>1	
	2870	AMT	Monetary Amount	0	1		
	2700 2760 2800 2850 2855 2858 2860 2865	MAN PCT CTB TXI LDT QTY MTX REF	Materials, or Both) Marks and Numbers Percent Amounts Restrictions/Conditions Tax Information LOOP ID - LDT Lead Time Quantity Text Reference Identification LOOP ID - AMT	0 0 0 0 0 0 0 0	10 >1 5 >1 1 >1 >1 >1 >1 >1		

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2890	REF	Reference Identification	0	>1		
2900	DTM	Date/Time Reference	0	1		
2920	PCT	Percent Amounts	0	>1		
		LOOP ID - FA1			>1	
2930	FA1	Type of Financial Accounting Data	0	1		
2940	FA2	Accounting Data	М	>1		
		LOOP ID - N9			1000	
2950	N9	Reference Identification	0	1	1000	
2970	DTM	Date/Time Reference	0	>1		
3000	MTX	Text	0	>1		
3050	PWK	Paperwork	0	>1		
3080	EFI	Electronic Format Identification	0	>1		
5000	LII		0	>1		
		LOOP ID - N1			200	
3100	N1	Name	0	1		
3200	N2	Additional Name Information	0	2		
3250	IN2	Individual Name Structure Components	0	>1		
3300	N3	Address Information	0	2		
3400	N4	Geographic Location	0	>1		
3450	NX2	Location ID Component	0	>1		
3500	REF	Reference Identification	0	12		
3600	PER	Administrative Communications Contact	0	>1		
3650	SI	Service Characteristic Identification	0	>1		
3700	FOB	F.O.B. Related Instructions	0	1		
3800	TD1	Carrier Details (Quantity and Weight)	0	2		
3900	TD5	Carrier Details (Routing Sequence/Transit	0	12		
4000	TD3	Time) Carrier Details (Equipment)	0	12		
4100	TD4	Carrier Details (Special Handling, or Hazardous	0	5		
1200	bug	Materials, or Both)	0	200		
4200	PKG	Marking, Packaging, Loading	0	200		
		LOOP ID - N1			200	
3100	N1	Name	0	1		
3200	N2	Additional Name Information	0	2		
3250	IN2	Individual Name Structure Components	0	>1		
3300	N3	Address Information	0	2		
3400	N4	Geographic Location	0	>1		
3450	NX2	Location ID Component	0	>1		
3500	REF	Reference Identification	0	12		
3600	PER	Administrative Communications Contact	0	>1		
3650	SI	Service Characteristic Identification	0	>1		
3700	FOB	F.O.B. Related Instructions	0	1		
3800	TD1	Carrier Details (Quantity and Weight)	0	2		
3900	TD5	Carrier Details (Routing Sequence/Transit	0	12		
4000	TD3	Time) Carrier Details (Equipment)	0	12		
4100	TD4	Carrier Details (Special Handling, or Hazardous	0	5		
		Materials, or Both)				
4200	PKG	Marking, Packaging, Loading	0	200		
		LOOP ID - LM			>1	
4300	LM	Code Source Information	0	1		
4400	LQ	Industry Code	М	>1		
		LOOP ID - SPI			>1	

4500	SPI	Specification Identifier	0	1		
4600	REF	Reference Identification	0	5		
4700	DTM	Date/Time Reference	0	5		
4800	MTX	Text	0	>1		
		LOOP ID - N1			20	
4900	N1	Name	0	1		
5000	N2	Additional Name Information	0	2		
5100	N3	Address Information	0	2		
5200	N4	Geographic Location	0	1		
5300	REF	Reference Identification	0	20		
5400	G61	Contact	0	1		
5500	MTX	Text	0	>1		
5500	IVI I A	ICAL	0	>1		
5500	WI I X	LOOP ID - CB1	0	~1	>1	
5600	CB1		0	1	>1	
		LOOP ID - CB1	-		>1	
5600	CB1	LOOP ID - CB1 Contract and Cost Accounting Standards Data	0	1	>1	
5600 5700	CB1 REF	LOOP ID - CB1 Contract and Cost Accounting Standards Data Reference Identification	0	1 20	>1	
5600 5700 5800	CB1 REF DTM	LOOP ID - CB1 Contract and Cost Accounting Standards Data Reference Identification Date/Time Reference	0 0 0	1 20 5	>1	
5600 5700 5800 5900	CB1 REF DTM LDT	LOOP ID - CB1 Contract and Cost Accounting Standards Data Reference Identification Date/Time Reference Lead Time	0 0 0 0	1 20 5 1	>1	
5600 5700 5800 5900	CB1 REF DTM LDT	LOOP ID - CB1 Contract and Cost Accounting Standards Data Reference Identification Date/Time Reference Lead Time Text	0 0 0 0	1 20 5 1		
5600 5700 5800 5900 6000	CB1 REF DTM LDT MTX	LOOP ID - CB1 Contract and Cost Accounting Standards Data Reference Identification Date/Time Reference Lead Time Text LOOP ID - ADV	0 0 0 0 0	1 20 5 1 >1		
5600 5700 5800 5900 6000	CB1 REF DTM LDT MTX ADV	LOOP ID - CB1 Contract and Cost Accounting Standards Data Reference Identification Date/Time Reference Lead Time Text LOOP ID - ADV Advertising Demographic Information	0 0 0 0 0	1 20 5 1 >1 1		

Detail:

Μ

Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u> LOOP ID - PO1	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u> 100000	Notes and <u>Comments</u>
0100	PO1	Baseline Item Data	М	1		n2
0150	LIN	Item Identification	0	>1		
0180	SI	Service Characteristic Identification	0	>1		
0200	CUR	Currency	Ο	1		
0250	CN1	Contract Information	0	1		
0300	PO3	Additional Item Detail	Ο	25		
		LOOP ID - CTP			>1	
0400	CTP	Pricing Information	0	1		
0430	CUR	Currency	0	1		
0450	PAM	Period Amount	0	10		
0490	MEA	Measurements	0	40		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	0	1		
0600	MEA	Measurements	0	10		
0700	PWK	Paperwork	0	25		
0900	PO4	Item Physical Details	0	>1		
1000	REF	Reference Identification	0	>1		
1100	PER	Administrative Communications Contact	0	3		
		LOOP ID - SAC			25	
1300	SAC	Service, Promotion, Allowance, or Charge Information	0	1		
1350	CUR	Currency	Ο	1		
1370	CTP	Pricing Information	0	1		

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1400	IT8	Conditions of Sale	0	1		
1420	CSH	Sales Requirements	0	>1		
1500	ITD	Terms of Sale/Deferred Terms of Sale	0	2		
1600	DIS	Discount Detail	0	20		
1650	INC	Installment Information	0	1		
1700	TAX	Tax Reference	0	>1		
1800	FOB	F.O.B. Related Instructions	0	>1		
1900	SDQ	Destination Quantity	0	500		
2000	IT3	Additional Item Data	0	5		
2100	DTM	Date/Time Reference	0	10		
2350	TC2	Commodity	0	>1		
2400	TD1	Carrier Details (Quantity and Weight)	0	1		
2500	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
2600	TD3	Carrier Details (Equipment)	0	12		
2700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		
2760	PCT	Percent Amounts	0	>1		
2800	MAN	Marks and Numbers	0	10		
2890	MTX	Text	0	>1		
2900	SPI	Specification Identifier	0	>1		
2910	TXI	Tax Information	Ο	>1		
2920	СТВ	Restrictions/Conditions	Ο	>1		
		LOOP ID - QTY			>1	
2930	QTY	Quantity	0	1		
2940	SI	Service Characteristic Identification	0	>1		
		LOOP ID - SCH			200	
		LOOP ID - SCH			200	
2950	SCH	LOOP ID - SCH Line Item Schedule	0	1	200	n3
2950 2960	SCH TD1	Line Item Schedule	0 0	1 2	200	n3
		Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit			200	n3
2960	TD1	Line Item Schedule Carrier Details (Quantity and Weight)	0	2	200	n3
2960 2970	TD1 TD5	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Transit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous	0	2 12	200	n3
2960 2970 2980	TD1 TD5 TD3	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Transit Time) Carrier Details (Equipment)	0 0 0	2 12 12	200	n3
2960 2970 2980 2990	TD1 TD5 TD3 TD4	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both)	0 0 0 0	2 12 12 5	200	n3
2960 2970 2980 2990	TD1 TD5 TD3 TD4	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification	0 0 0 0	2 12 12 5		n3
2960 2970 2980 2990 3000	TD1 TD5 TD3 TD4 REF	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG	0 0 0 0 0	2 12 12 5 >1		n3
2960 2970 2980 2990 3000 3050 3100	TD1 TD5 TD3 TD4 REF PKG MEA	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements		2 12 12 5 >1		n3
2960 2970 2980 2990 3000	TD1 TD5 TD3 TD4 REF PKG	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification IOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header	0 0 0 0 0 0	2 12 12 5 >1	200	n3
2960 2970 2980 2990 3000 3050 3100 3200	TD1 TD5 TD3 TD4 REF PKG MEA LS	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT	0 0 0 0 0 0 0	2 12 12 5 >1		n3
2960 2970 2980 2990 3000 3050 3100 3200	TD1 TD5 TD3 TD4 REF PKG MEA LS	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time		2 12 12 5 >1 1 2 1 1	200	n3
2960 2970 2980 2990 3000 3000 3100 3200 3210 3220	TD1 TD5 TD3 TD4 REF PKG MEA LS LDT QTY	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity		2 12 12 5 >1 1 >1 1 1 2	200	n3
2960 2970 2980 2990 3000 3050 3100 3200 3210 3220 3230	TD1 TD5 TD3 TD4 REF PKG MEA LS LDT QTY MTX	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification IOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header IOOP ID - LDT Lead Time Quantity Text		2 12 12 5 >1 1 2 1 1	200	n3
2960 2970 2980 2990 3000 3000 3100 3200 3210 3220	TD1 TD5 TD3 TD4 REF PKG MEA LS LDT QTY	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity		2 12 12 5 >1 1 >1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2	200	n3
2960 2970 2980 2990 3000 3050 3100 3200 3210 3220 3230	TD1 TD5 TD3 TD4 REF PKG MEA LS LDT QTY MTX	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity Text Reference Identification		2 12 12 5 >1 1 >1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2	200	n3
2960 2970 2980 2990 3000 3050 3100 3200 3210 3220 3230 3240	TD1 TD5 TD3 TD4 REF PKG MEA LS LDT QTY MTX REF	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity Text Reference Identification LOOP ID - LM		2 12 12 5 >1 1 >1 1 >1 1 >1 3	200	n3
2960 2970 2980 2990 3000 3050 3100 3200 3210 3220 3230 3240	TD1 TD3 TD4 REF PKG MEA LS LDT QTY MTX REF	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity Text Reference Identification LOOP ID - LM Code Source Information		$ \begin{array}{c} 2\\ 12\\ 12\\ 5\\ >1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 3\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	200	n3
2960 2970 2980 2990 3000 3050 3100 3200 3210 3220 3230 3240 3250 3260	TD1 TD5 TD3 TD4 REF PKG MEA LS LDT QTY MTX REF LM LQ	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity Text Reference Identification LOOP ID - LM Code Source Information Industry Code	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2\\ 12\\ 12\\ 5\\ >1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2\\ 1\\ 3\\ 1\\ 3\\ 1\\ 3\\ 1\\ 2\\ 1\\ 3\\ 1\\ 2\\ 1\\ 3\\ 1\\ 2\\ 1\\ 3\\ 1\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\$	200	n3
2960 2970 2980 2990 3000 3050 3100 3200 3210 3220 3230 3240 3250 3260	TD1 TD5 TD3 TD4 REF PKG MEA LS LDT QTY MTX REF LM LQ	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity Text Reference Identification LOOP ID - LM Code Source Information Industry Code Loop Trailer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2\\ 12\\ 12\\ 5\\ >1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2\\ 1\\ 3\\ 1\\ 3\\ 1\\ 3\\ 1\\ 2\\ 1\\ 3\\ 1\\ 2\\ 1\\ 3\\ 1\\ 2\\ 1\\ 3\\ 1\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\$	200	n3
2960 2970 2980 2990 3000 3050 3100 3200 3210 3220 3230 3240 3250 3260 3270	TD1 TD5 TD4 REF PKG MEA LS LDT QTY MTX REF LM LQ LE	Line Item Schedule Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Tran sit Time) Carrier Details (Equipment) Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference Identification LOOP ID - PKG Marking, Packaging, Loading Measurements Loop Header LOOP ID - LDT Lead Time Quantity Text Reference Identification LOOP ID - LM Code Source Information Industry Code Loop Trailer LOOP ID - N9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2\\ 12\\ 12\\ 5\\ >1\\ 1\\ 1\\ 1\\ 1\\ 2\\ 1\\ 3\\ 1\\ 3\\ 1\\ 1\\ 1\\ 1\\ 1 \end{array} $	200	n3
2960 2970 2980 2990 3000 3100 3200 3210 3220 3230 3240 3250 3250 3260 3270	TD1 TD3 TD4 REF PKG MEA LS LDT QTY MTX REF LM LQ LE	Line Item ScheduleCarrier Details (Quantity and Weight)Carrier Details (Routing Sequence/Tran sit Time)Carrier Details (Equipment)Carrier Details (Special Handling, or Hazardous Materials, or Both) Reference IdentificationLOOP ID - PKGMarking, Packaging, LoadingMeasurementsLoop HeaderLOOP ID - LDTLead TimeQuantityTextReference IdentificationLOOP ID - LMCode Source InformationIndustry CodeLoop TrailerLOOP ID - N9Reference Identification	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 2\\ 12\\ 12\\ 5\\ >1\\ 1\\ 1\\ 1\\ 1\\ 2\\ 1\\ 1\\ 2\\ 1\\ 3\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1 1 1 1 $	200	n3

3400MTXFor03-13430PTKPapersonk03-13440PTKElectonic fromati dentification013500N1Nare013501N12Individual Name Information023502N2Individual Name Information023503N3Address Information023504N3Address Information023505N32Location03-13508N32Location DComponent024509RFRReference Celemetrification024500TSService Characteristic Identification024500TSService Characteristic Identification024500TSCarier Detais (Quantiy and Weight)024501TSCarier Detais (Quantiy and Weight)024502TSCarier Detais (Routing Sequence/Transi)0124503TSCarier Detais (Routing or Hazardous)054504MATText034505GTYQuantity054506MATText034509MATText034509MATText034509MATText034509MATText034509MATText034509 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>							
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5270 CUR Currency O 1	5260	SAC		0	1		
	5270	CUID		0	1		
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		LOOP ID - QTY			>1	
5290	QTY	Quantity	0	1		
5300	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5350	N1	Name	0	1		
5400	N2	Additional Name Information	0	2		
5450	IN2	Individual Name Structure Components	0	>1		
5500	N3	Address Information	0	2		
5600	N4	Geographic Location	0	1		
5700	NX2	Location ID Component	0	>1		
5800	REF	Reference Identification	0	12		
5900	PER	Administrative Communications Contact	0	3		
5950	SI	Service Characteristic Identification	0	>1		
		LOOP ID - AMT			>1	·
6000	AMT	Monetary Amount	0	1		
6100	REF	Reference Identification	0	1		
6120	PCT	Percent Amounts	0	>1		
		LOOP ID - LM			>1	
6200	LM	Code Source Information	0	1		
6300	LQ	Industry Code	М	>1		

Summary:

Μ

Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u>	Notes and <u>Comments</u>
		LOOP ID - CTT			1	
0100	CTT	Transaction Totals	0	1		n4
0200	AMT	Monetary Amount	0	1		n5
0300	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

- 1. If segment LIN is used, do not use LIN01.
- **2.** PO102 is required.
- **3.** 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.
- 4. 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.
- 5. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

850 Purchase Order - VICS Introduction

The purpose of this section is to present and explain the application of the ASC X12 standards as they pertain to the retail industry implementation of the Purchase Order Transaction Set.

Within the retail industry, two distinct methods for ordering goods have been identified. The first type, or "basic", is the most common, and is used to order goods separately for each location, i.e., one store ordering per PO. The second type, or "spreadsheet", is utilized to order the same item for multiple locations, i.e., a specific quantity of one item is distributed to multiple locations. The actual quantity distributed to each location need not be the same.

The spreadsheet order usually implies predistribution by the vendor. Orders are packaged for the store and either sent directly to the store or to a central location (distribution center). The basic order can be used in the pre or post distribution environment. In the post distribution environment the buying location is the distribution center. The distribution center allocates each store's quantity.

The purchase order in its most simplistic form, assumes that the receiver has, most of the general data about the sender and their locations (stores) within their systems. This data includes bill to, ship to, mark for, terms, etc., for each sender location. For each ordering location the receiver of the order knows where to send the goods, where to send the bill, and what terms are to be applied. The sender only needs to inform the receiver of the location ordering the goods, when delivery is expected, and the detail specification for the goods (SKUs), including order quantity for each SKU.

Data Element 751 – VICS EDI Semi-Custom Product Description Code Matrix

VICS EDI has defined a coding structure to represent variations of the item in a Semi-Custom product environment. This code is for PID04, Data Element 751, however, this code and combinations of, text in PID05, placement location in PID06, and measurement values in additional MEA segments, may be needed to completely describe the product.

The ten (10) position code is structured into four (4) parts as follows:

Part 1	Position 01-02	Product Category Code
Part 2	Position 03-04	Format Option Code
Part 3	Position 05-08	Description Code
Part 4	Position 09-10	Locator Placement Code

Within each part of the code the values are left justified, blank filled. Parts 3 and 4 code values are dependent on the combination of code values in Parts 1 and 2, e.g., specific code values in Parts 3 and 4 may only be used with specific code values in Parts 1 and 2. The complete codes are shown in the Semi-Custom Product Description Code Matrix.

Part 1 – Product Category Code

The Product Category Code defines the broad product category. Currently there are eleven product categories identified for use within the retail industry.

AT	Automotive Note Used in support and maintenance of older vehicles where exact U.P.C.s., for specific parts, were not assigned.
СВ	Cabinets
FC	Floor Coverings
FN	Furniture
FS	Fire Screens
IA	Intimate Apparel
JW	Jewelry
LB	Linens and Bedding
SD	Doors
WC	Window Treatments
WP	Wall Coverings

Part 2 Format Option Code

The Format Option Code defines the use and requirements of Parts 3 and 4 of the Semi-Custom Product Description Code. It informs the receiver what other codes to expect to define the exact product.

- **01** Part 3 of the Semi-Custom Product Description Code required. MEA segment for measurements may be used as required by trading partners.
- **02** Part 3 of the Semi-Custom Product Description Code required.
- **03** Parts 3 and 4 of the Semi-Custom Product Description Code are required. MEA segment for measurements may be used as required by trading partners.
- **04** Parts 3 and 4 of the Semi-Custom Product Description Code are required. MEA segment for measurements may be used as required by trading partners. Additional text description is contained in PID05.

NOTE: The following Semi-Custom Product Description Code Matrix has been approved, and will be published in the Version 4040 of VICS X12 Guidelines. It does not appear in the VICS 4030 Guidelines.

VICS EDI Semi-Custom Product Description Code Matrix for Optical

<u>Part 01</u> OP	Part 02 Optical 03	<u>Part 03</u>	<u>Part 04</u>	Description
	05	CLEN		
			BC	Base Curve; actual measurement contained in the MEA segments.
			DI	Diameter; actual measurement contained in the MEA segments.
			SP	Sphere; actual measurement contained in the MEA segments.
			CL	Cylinder; actual measurement contained in the MEA segments.
			AD	Axis Degree; actual measurement contained in the MEA segments.
			TI	Trial Indicator; actual value found in PID08.
			DE	Dot in Eye; actual value found in PID08.
			C1	Curve 1; actual measurement contained in the MEA segments.
			D1	Degree 1; actual measurement contained in the MEA segments.
			C2	Curve 2; actual measurement contained in the MEA segments.
			D2	Degree 2; actual measurement contained in the MEA segments.

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Part 01	Part 02	Part 03	Part 04	Description
<u>1 urt 01</u>	1410-	141000	VT	Vertex; actual measurement contained in
				the MEA segments.
			OZ	Optical Zone; actual measurement
				contained in the MEA segments.
			TK	Thickness; actual measurement contained
				in the MEA segments.
			TR	Truncation; actual measurement contained
				in the MEA segments.
			SH	Seg Height; actual measurement contained in the MEA segments.
			SC	Secondary Curves; actual measurement
			50	contained in the MEA segments.
			PC	Peripheral Curves; actual measurement
				contained in the MEA segments.
			LZ	Lenticular Opt Zone; actual measurement
			ST	contained in the MEA segments.
			51	Segment Height after Truncation (Y/N); actual value found in PID08.
			PM	Prism; actual measurement contained in the
				MEA segments.
	04			
		CLEN		
			CO	Color Description; found in PID05
			LT	Lens Type; found in PID05
			EI	Right Eye/Left Eye Indicator; found in

PID05

850 Purchase Order – VICS Guidelines

Functional Group ID=PO

Heading:

М	Pos. <u>No.</u> 0100	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
М	0200	BEG	Beginning Segment for Purchase Order	М	1		
	0400	CUR	Currency	0	1		
	0500	REF	Reference Identification	0	>1		
	0600	PER	Administrative Communications Contact	0	3		
	0700	TAX	Tax Reference	0	>1		
	0800	FOB	F.O.B. Related Instructions	0	>1		
	1100	CSH	Sales Requirements	0	5		
	1150	TC2	Commodity	0	>1		
			LOOP ID - SAC			25	
	1200	SAC	Service, Promotion, Allowance, or Charge Information	0	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	0	>1		
	1500	DTM	Date/Time Reference	0	10		
	1900	PID	Product/Item Description	0	200		
	2100	PWK	Paperwork	0	25		
	2200	PKG	Marking, Packaging, Loading	0	200		
	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	0	>1		
	2500	TD3	Carrier Details (Equipment)	0	12		
	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		
	2760	PCT	Percent Amounts	0	>1		
	2800	СТВ	Restrictions/Conditions	0	5		
			LOOP ID - N9			1000	
	2950	N9	Reference Identification	0	1		
	3000	MTX	Text	0	>1		
			LOOP ID - N1			200	
	3100	N1	Name	0	1		
	3200	N2	Additional Name Information	0	2		
	3300	N3	Address Information	0	2		
	3400	N4	Geographic Location	0	>1		
	3500	REF	Reference Identification	0	12		
	3600	PER	Administrative Communications Contact	0	>1		
	4100	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
м	0100	DO1	LOOP ID - PO1	м	1	100000	- 1
М	0100	PO1	Baseline Item Data	М	1	>1	nl
	0400	СТР	Pricing Information	0	1		

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0430	CUR	Currency	0	1		1
0490	MEA	Measurements	0	40		
		LOOP ID - PID			1000	
0500	PID	Product/Item Description	0	1		
0600	MEA	Measurements	0	10		
0700	PWK	Paperwork	0	25		
0900	PO4	Item Physical Details	0	>1		
		LOOP ID - SAC			25	
1300	SAC	Service, Promotion, Allowance, or Charge Information	0	1		
1350	CUR	Currency	0	1		
1370	CTP	Pricing Information	0	1		
1500	ITD	Terms of Sale/Deferred Terms of Sale	0	2		
1900	SDQ	Destination Quantity	0	500		
2100	DTM	Date/Time Reference	0	10		
2350	TC2	Commodity	0	>1		
2500	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
		LOOP ID – PKG			200	
3050	PKG	Marking, Packaging, Loading	0	1		
		LOOP ID - N9			1000	
3300	N9	Reference Identification	0	1		
3300	N9	Reference Identification LOOP ID - N1	0	1	200	
3300 3500	N9 N1		0	1	200	
		LOOP ID - N1			200	
3500	N1	LOOP ID - N1 Name	0	1	200	
3500 3600	N1 N2	LOOP ID - N1 Name Additional Name Information	0 0	1 2	200	
3500 3600 3700	N1 N2 N3	LOOP ID - N1 Name Additional Name Information Address Information	0 0 0	1 2 2	200	
3500 3600 3700 3800	N1 N2 N3 N4	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location	0 0 0 0	1 2 2 1	200	
3500 3600 3700 3800 3900	N1 N2 N3 N4 REF	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion	0 0 0 0 0	1 2 2 1 12	200	
3500 3600 3700 3800 3900 4000	N1 N2 N3 N4 REF PER	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous	0 0 0 0 0 0	1 2 2 1 12 3	200	
3500 3600 3700 3800 3900 4000 4060	N1 N2 N3 N4 REF PER DTM	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both)	0 0 0 0 0 0	1 2 2 1 12 3 1		
3500 3600 3700 3800 3900 4000 4060	N1 N2 N3 N4 REF PER DTM	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous	0 0 0 0 0 0	1 2 2 1 12 3 1	200	
3500 3600 3700 3800 3900 4000 4000 4500	N1 N2 N3 N4 REF PER DTM TD4	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN Subline Item Detail	0 0 0 0 0 0 0 0	1 2 2 1 12 3 1 5		
3500 3600 3700 3800 3900 4000 4000 4500	N1 N2 N3 N4 REF PER DTM TD4	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN		1 2 2 1 12 3 1 5		
3500 3600 3700 3800 3900 4000 4060 4500	N1 N2 N3 N4 REF PER DTM TD4 SLN PID	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN Subline Item Detail Product/Item Description		1 2 2 1 12 3 1 5 1 1000		
3500 3600 3700 3800 3900 4000 4000 4500 4700 4900 5050	N1 N2 N3 N4 REF PER DTM TD4 SLN PID TC2	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN Subline Item Detail Product/Item Description Commodity		1 2 2 1 12 3 1 5 1 1000 >1		
3500 3600 3700 3800 3900 4000 4060 4500 4700 4900 5050 5160	N1 N2 N3 N4 REF PER DTM TD4 SLN PID TC2 CTP	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN Subline Item Detail Product/Item Description Commodity Pricing Information		1 2 2 1 12 3 1 5 1 1000 >1 25		
3500 3600 3700 3800 3900 4000 4060 4500 4700 4900 5050 5160	N1 N2 N3 N4 REF PER DTM TD4 SLN PID TC2 CTP	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN Subline Item Detail Product/Item Description Commodity Pricing Information Item Physical Details LOOP ID – SAC Service, Promotion, Allowance, or Charge		1 2 2 1 12 3 1 5 1 1000 >1 25	1000	
3500 3600 3700 3800 3900 4000 4000 4500 4700 4900 5050 5160 5180	N1 N2 N3 N4 REF PER DTM TD4 SLN PID TC2 CTP PO4	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN Subline Item Detail Product/Item Description Commodity Pricing Information Item Physical Details LOOP ID – SAC Service, Promotion, Allowance, or Charge Information		$ \begin{array}{c} 1\\2\\2\\1\\12\\3\\1\\5\\\end{array} $ 1 1 000 >1 25 1	1000	
3500 3600 3700 3800 3900 4000 4060 4500 4700 4900 5050 5160 5180	N1 N2 N3 N4 REF PER DTM TD4 SLN PID TC2 CTP PO4 SAC	LOOP ID - N1 Name Additional Name Information Address Information Geographic Location Reference Identificat ion Administrative Communications Contact Date/Time Reference Carrier Details (Special Handling, or Hazardous Materials, or Both) LOOP ID – SLN Subline Item Detail Product/Item Description Commodity Pricing Information Item Physical Details LOOP ID – SAC Service, Promotion, Allowance, or Charge		$ \begin{array}{c} 1\\2\\2\\1\\12\\3\\1\\5\\\end{array} $ 1 1000 >1 25 1 1 1	1000	

Summary:

М

Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop Notes and <u>Repeat</u> <u>Comments</u>	
		LOOP ID – CTT			1	
0100	CTT	Transaction Totals	0	1	n2	
0200	AMT	Monetary Amount	0	1	n3	
0300	SE	Transaction Set Trailer	М	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.
- **3.** If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Conventions used in these guidelines

- 1. Every data element on each segment is listed in the Data Element Summary section of the segment documentation, including unused Elements.
- 2. Every data element has the ANSI X12 data element ID noted.
- Every data element has the ANSI X12 data element title noted. 3.
- 4. Every data element has the ANSI X12 data element attributes noted:
 - 4.1. Data element requirement designation
 - 4.1.1. Mandatory (M) This element is required to appear in the segment.
 - 4.1.2. **Optional** (O) The appearance of this data element is at the option of the sending party or is based on the mutual agreement of the interchange parties.
 - 4.1.3. **Relational** (X) Relational conditions may exist between two or more data elements within a segment based on the presence or absence of one of those data elements. The relational condition is displayed under the heading "Syntax Notes."
 - 4.2. Data element type
 - 4.2.1. Numeric (Nn) The numeric type of data element is symbolized by the two-position representation Nn. N indicates a numeric, and n indicates the decimal places to the right of a fixed, implied decimal point. the decimal point is not transmitted in the character stream. For negative values, the leading minus sign (-) is used. Absence of a sign indicates a positive value. The plus sign (+) should not be transmitted. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. The length of the data element is the number of digits used. The minus sign (-) is not counted when determining the length of the data element value.
 - 4.2.2. **Decimal Number**(R) The decimal type of data element is symbolized by the representation R. The decimal point is optional for integer values, but required for fractional values. For negative values, the leading minus sign (-) is used. Absence of a sign indicates a positive value. The plus sign (+) should not be transmitted. Leading zeros should be suppressed unless necessary to satisfy a minimum length requirement. The minus sign and the decimal point are not counted when determining the length of the data element value.
 - 4.2.3. **Identifier** (ID) The identifier type of data element is symbolized by the representation ID. An identifier data element must always contain a value from a predefined list of values that is maintained by ASC X12 or other bodies that are recognized by ASC X12. The value is left justified. Trailing spaces should be suppressed.
 - 4.2.4. String (AN) The string type of data element is symbolized by the representation AN. Contents of string type data elements are a sequence of any letters, digits, spaces, and/or special characters and contain at least one non-space character. The significant characters must be left justified. Leading spaces, if used, are assumed to be significant characters. Trailing spaces should be suppressed.
 - 4.2.5. Date (DT) The date type of data element is symbolized by the representation DT. Format for the date type is CCYYMMDD. CC is the two digit Century (00-99). YY is the last two digits of the year (00-99), Wal-Mart Confidential 146

MM is the numeric value of the month (01-12), and DD is the numeric value of the day (01-31).

- 4.2.6. **Time** (TM) The time type is symbolized by the representation TM. Format for this type is expressed in 24-hour clock format, HHMMSSd..d. HH is the numeric expression of the hour (00-23), MM is the numeric expression of the minute (00-59), SS is the numeric expression of the second (00-59), and d..d is the numeric expression of decimal seconds.
- 4.3. Data element length (minimum/maximum)
- 5. Data elements utilized by Wal-Mart applications are noted in **bold** type.
- 6. Data elements ignored by Wal-Mart application are noted in *italicized type*.
- 7. Every data element utilized by Wal-Mart applications has the ANSI X12 data element purpose noted.
- 8. ID-type data elements have the list of utilized values noted.
- 9. VICS comments relating to segments and data elements are noted in **bold** text with a shaded background.
- 10. <u>Wal-Mart comments relating to segments and data elements are noted in underlined</u> bold text with a shaded background.

Example of Conventions

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:	0400 N1 Heading Mandato 1 To ident 1 At 1 2 If ei 1 This orga prov 2 N10 There n identify	ory ify a party by typ east one of N102 ther N103 or N10 s segment, used a anizational identi vide a key to the t 05 and N106 furth nust be at least o the sender of th gment will alway	be of organization, name, and code or N103 is required. 04 is present, then the other is required. 10ne, provides the most efficient methor fication. To obtain this efficiency the "I table maintained by the transaction pro- ner define the type of entity in N101. ne occurrence of the N1 segment in the e transaction in text or coded format. s identify Wal-Mart Stores, Inc. as the	od of providing ID Code" (N104) must cessing party. he header area to he sender of the	- 9 - 10
1 Ref. <u>Des.</u> N101	Data <u>Element</u> 98	<u>Name</u> Entity Identifi Code identifyir individual	Element Summary 8 4 er Code ng an organizational entity, a physical le	.1 <u>Attributes</u> <u>M</u> ID 2/3 ocation, property or an	- 4.3 - 4.2
3 N102	93	FR / Name	Message From	X AN 1/60	
		Free-form name	e		
N103	66		Code Qualifier ng the system/method of code structure	X ID 1/2 e used for Identification	
		UL	UCC/EAN Location Code A globally unique 13 digit code f legal, functional or physical local Code Council (UCC) and Interna Association (EAN) numbering sy	tion within the Uniform tional Article Number	- 7
5 — N104	67	Identification	Code	X AN 2/80	
1 N105	706	Entity Relation	ng a party or other code ship Code ag entity relationship	0 ID 2/2	
6 — N106	98	Entity Identifie		O ID 2/3 location, property or an	

Change History

Date	Version	Description of Changes
November, 2004	DRAFT 0.1	Draft Version Released
December, 2004	DRAFT 0.2	Minor revisions
February, 2005	Version 1.0	Production version published