



**EDI Specification**  
**X12 4010 850**  
**Purchase Order**

**Casey's Inc.**  
**1 SE Convenience Blvd**  
**Ankeny, IA 50021**  
**EDISupport@Caseys.com**

# 850

## Purchase Order

### Functional Group = PO

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

### Heading Overview

Pos	ID	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Required
	GS	Functional Group Header	M	1			Required
010	ST	Transaction Set Header	M	1			Required
020	BEG	Beginning Segment for Purchase Order	M	1			Required
130	ITD	Terms of Sale/Deferred Terms	O	1			Required
150	DTM	Date/Time Reference	O	10			Required
240	TD5	Carrier Details	O	12			Required
N1 LOOP			M		200		Required
310	N1	Name	M	1			Required
330	N3	Address Information	O	1			Required
340	N4	Geographic Information	O	1			Required
350	REF	Reference Numbers	O	12			Required
360	PER	Administrative Communications Contact	O	1			Required

### Detail Overview

Pos	ID	Segment Name	Req	Max Use	Repeat	Notes	Usage
PO1 LOOP			M		100000		Required
010	PO1	Baseline Item Data (Purchase Order)	M	1			Required
PID LOOP			O		1000		Required
050	PID	Product/Item Description	M	1			Required
090	PO4	Item Physical Details	O	25			Required
PKG LOOP			O		200		Required
305	PKG	Marking, Packaging, & Loading	M	1			Required
AMT LOOP			O		1		Required
600	AMT	Monetary Amount	M	1			Required

### Summary Overview

Pos	ID	Segment Name	Req	Max Use	Repeat	Notes	Usage
020	AMT	Monetary Amount	M	1			Required
030	SE	Transaction Set Trailer	M	1			Required
MM	GE	Functional Group Trailer	M	1			Required
	IEA	Interchange Control Segment Trailer	M	1			Required

# ISA

## Interchange Control Header

<b>Pos:</b>	<b>Max: 1</b>
<b>Heading – Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 16</b>

**User Option:** Required**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments.**Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Required
		<b>Description:</b> Code to identify the type of information in the Authorization Information.				
		<b>Code</b>		<b>Name</b>		
		00		No Authorization Information Present (No Meaningful Information in I02)		
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Required
		<b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange. The type of information is set by the Authorization Information Qualifier (I01).				
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Required
		<b>Description:</b> Code to identify the type of information in the Security Information.				
		<b>Code</b>		<b>Name</b>		
		00		No Authorization Information Present (No Meaningful Information in I04)		
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Required
		<b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange. The type of information is set by the Security Information Qualifier (I03)				
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Required
		<b>Description:</b> Code to identify the type of information in the Security Information.				
		<b>Code</b>		<b>Name</b>		
		?		Sender's ISA qualifier		
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Required
		<b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them. The sender always codes this value in the sender ID element.				
		<b>Code</b>		<b>Name</b>		
		?		Sender's ISA ID		
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Required
		<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.				
		<b>Code</b>		<b>Name</b>		

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12 Telephone  
01 Duns (Dun & Bradstreet)

ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Required
<b>Description:</b> Identification code published by the receiver of the data. When sending, it is used by the sender as their sending ID. Thus, other parties sending to them will use this as a receiving ID to route data to them.						
<b>Code</b> <b>Name</b>						
5159656100 Telephone						
5159656200 Telephone						
022010664 Duns (Dun & Bradstreet)						
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Required
<b>Description:</b> Date of the interchange.						
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Required
<b>Description:</b> Time of the interchange.						
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Required
<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.						
<b>Code</b> <b>Name</b>						
U U.S. EDI Community of ASC X12, TDCC, and UCS						
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Required
<b>Description:</b> Code specifying the version number of the interchange control segments.						
<b>Code</b> <b>Name</b>						
00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997.						
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Required
<b>Description:</b> A control number assigned by the interchange sender						
ISA14	I13	<b>Acknowledgement Requested</b>	M	ID	1/1	Required
<b>Description:</b> Code sent by the sender to request and interchange acknowledgement.						
<b>Code</b> <b>Name</b>						
0 or 1 0 = No acknowledgement needed. 1 = Acknowledgement requested						
ISA15	I15	<b>Usage Indicator</b>	M	ID	1/1	Required
<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production, or information.						
<b>Code</b> <b>Name</b>						
P or T P = Production Data. T = Test Data						
ISA16	I16	<b>Component Element Separator</b>	M	AN	1/1	Required
<b>Description:</b> Type is not applicable. The component element separator is a delimiter and not a data element. This field provides delimiter used to separate component data elements within a composite data structure. This value must be different than the data element separator and the segment terminator.						

<u>Code</u>	<u>Name</u>
>	Angle Bracket

**GS****Functional Group Header**

<b>Pos:</b>	<b>Max: 1</b>
<b>Heading – Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 8</b>

**User Option:** Required**Purpose:** To indicate the beginning of a functional group and to provide control information.**Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Required
		<b>Description:</b> Code identifying a group of application related transaction sets.				
		<u>Code</u>		<u>Name</u>		
		PO		Purchase Order (850)		
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Required
		<b>Description:</b> Code identifying party sending transmission. Codes agreed to by trading partners.				
		<u>Code</u>		<u>Name</u>		
		???		Sender's GS ID		
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Required
		<b>Description:</b> Code identifying party receiving transmission. Codes agreed to by trading partners.				
		<u>Code</u>		<u>Name</u>		
		5159656100		Telephone		
		5159656200		Telephone		
		022010664		Duns (Dun & Bradstreet)		
GS04	373	<b>Date</b>	M	DT	8/8	Required
		<b>Description:</b> Date expressed as CCYYMMDD.				
GS05	337	<b>Time</b>	M	TM	4/8	Required
		<b>Description:</b> 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).				
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Required
		<b>Description:</b> Assigned number originated and maintained by the sender.				
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Required
		<b>Description:</b> Code identifying the issuer of the standard. This code is used in conjunction with Data Element 480				
		<u>Code</u>		<u>Name</u>		

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X Accredited Standards Committee X12

GS08 480 **Version / Release / Industry Identifier Code** M AN 1/12 Required

**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments. If code in DE455 in GS segment is X, then in DE480 positions 1-3 are the version number, positions 4-6 are the release and subrelease, level of the version, and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user). If code in DE455 in GS segment is T, then other formats are allowed.

<u>Code</u>	<u>Name</u>
004010	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997.

# ST

## Transaction Set Header

Pos: 010	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 2

**User Option:** Required

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

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Required
		<b>Description:</b> Code uniquely identifying a Transaction Set				
		<u>Code</u>		<u>Name</u>		
		850		Purchase Order		
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Required
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.				

# BEG

## Beginning Segment for PO

Pos: 020	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 4

**User Option:** Required

**Purpose:** To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG01	353	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Required
		<b>Description:</b> Code identifying purpose of transaction set.				
		<u>Code</u>		<u>Name</u>		
		00		Original		

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BEG02	92	<b>Purchase Order Type Code</b>	M	ID	2/2	Required
<b>Description:</b> Code specifying the type of Purchase Order						
		<b>Code</b>		<b>Name</b>		
		NE		New Order		
BEG04	324	<b>Purchase Order Number</b>	M	AN	1/22	Required
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser						
BEG05	373	<b>Date</b>	M	DT	8/8	Required
<b>Description:</b> Date expressed as CCYYMMDD						

# ITD

## Terms of Sale/Deferred Terms

Pos: 130	Max: 1
Heading – Mandatory	
Loop: N/A	Elements: 5

**User Option:** Required

**Purpose:** To specify terms of sale

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD12	352	<b>Description</b>	O	A	1/80	Required
<b>Description:</b> A free-form description to clarify the related data elements and their content; Used for Payment Terms						

# DTM

## Date/Time Reference

Pos: 150	Max: 10
Heading – Mandatory	
Loop: N/A	Elements: 2

**User Option:** Required

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

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	AID	3/3	Required
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<b>Code</b>		<b>Name</b>		
		002		Delivery Requested		
		010		Requested Ship		

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DTM02 373 Date

C DT 8/8 Required

Description: Date expressed as CCYYMMDD

# TD5 Carrier Details

Pos: 240	Max: 12
Heading – Mandatory	
Loop: N/A	Elements: 4

User Option: Required

Purpose: To specify pertinent dates and times

## Element Summary:

Ref	ID	Element Name	Req	Type	Min/M ax	Usage
TD504	91	<b>Transportation Method/Type Code</b> Description: Code specifying the method or type of transportation for the shipment	C	ID	1/2	Required
		<b>Code</b> <b>Name</b>				
		M          Motor (Common Carrier)				
		H          Customer Pickup				
TD505	387	<b>Routing</b> Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	C	AN	1/35	Required

# N1 Name

Pos: 310	Max: 1
Heading – Mandatory	
Loop: N1	Elements: 4

User Option: Required

Purpose: To specify pertinent dates and times

## Element Summary:

Ref	ID	Element Name	Req	Type	Min/M ax	Usage
N101	98	<b>Entity Identifier Code</b> Description: Code specifying the type of both date and time	M	ID	2/3	Required
		<b>Code</b> <b>Name</b>				
		ST          Ship To				
		BT          Bill To				
N102	93	<b>Name</b> Description: Free-Form Name	C	AN	1/60	Required
N103	66	<b>Identification Code Qualifier</b>	C	ID	1/2	Conditional





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**Description:** Code (Standard State/Province) as defined by appropriate government agency

N402 is required only if city name (N401) is in the U.S. or Canada.

N403 116 **Postal Code** O ID 3/15 Required

**Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

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# REF Reference Identification

Pos: 350 Max: 2  
 Heading - Mandatory  
 Loop: N/A Elements: 2

**User Option:** Required

**Purpose:** To specify the location of the named party

## Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Required
		<b>Code</b> <b>Name</b> IA            Internal Vendor Number				
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Optional
		Example: Vendor Number				
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content;	C	AN	1/80	Optional
		Example: Vendor Name				

## Administrative Communications Contact

**User Option:** Optional

**Purpose:** To identify a person or office to whom administrative communications should be directed

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named <u>Code</u> <u>Name</u> BD              Buyer Name or Department	M	ID	2/2	Required
PER02	93	<b>Name</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  Example: Receiver Name	O	AN	1/60	Optional
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number P0304: If either PER-03 or PER-04 is present, then the other is required <u>Code</u> <u>Name</u> TE              Telephone	C	AN	2/2	Conditional
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable  Example: Telephone Number	C	AN	1/80	Conditional

## DETAIL

# PO1 Loop

## Baseline Item Data (PO)

Pos: 010	Max: 100000
Detail - Mandatory	
Loop: PO1	Elements: 5

**User Option:** Required

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO102	330	<b>Quantity Ordered</b> <b>Description:</b> Quantity ordered Casey's X12 4010 850 Specifications	O	R	1/15	Required
						Original

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PO103	355	<b>Unit or Basis for Measurement Code</b>	C	ID	2/2	Required						
<p><b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CA</td> <td>Case</td> </tr> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	CA	Case	EA	Each
<u>Code</u>	<u>Name</u>											
CA	Case											
EA	Each											
PO104	212	<b>Unit Price</b>	C	DR	1/17	Required						
<p><b>Description:</b> Price per unit of product, service, commodity, etc.</p>												
PO106	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Optional						
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>P0607: If either PO1-06 or PO1-07 is present, then the other is required 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.</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>PI</td> <td>Purchaser's Item Code</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	PI	Purchaser's Item Code		
<u>Code</u>	<u>Name</u>											
PI	Purchaser's Item Code											
PO107	234	<b>Product/Service ID</b>	C	AN	1/48	Conditional						
<p><b>Description:</b> A free-form description to clarify the related data elements and their content</p>												
PO108	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Optional						
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>P0607: If either PO1-06 or PO1-07 is present, then the other is required 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.</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>UA</td> <td>U.P.C./EAN Case Code (2-5-5)</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	UA	U.P.C./EAN Case Code (2-5-5)		
<u>Code</u>	<u>Name</u>											
UA	U.P.C./EAN Case Code (2-5-5)											
PO109	234	<b>Product/Service ID</b>	C	AN	1/48	Conditional						
<p><b>Description:</b> A free-form description to clarify the related data elements and their content</p>												
PO110	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Optional						
<p><b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>P0607: If either PO1-06 or PO1-07 is present, then the other is required 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.</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>VN</td> <td>Vendor's (Seller's) Item Number</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	VN	Vendor's (Seller's) Item Number		
<u>Code</u>	<u>Name</u>											
VN	Vendor's (Seller's) Item Number											
PO111	234	<b>Product/Service ID</b>	C	AN	1/48	Conditional						
<p><b>Description:</b> A free-form description to clarify the related data elements and their content</p>												
PO112	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Optional						

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

P0607: If either PO1-06 or PO1-07 is present, then the other is required  
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.

**Code**                **Name**

UK                    U.P.C./EAN Shipping Container Code (1-2-5-5-1)

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

PO113	234	<b>Product/Service ID</b>	C	AN	1/48	Conditional
<b>Description:</b> A free-form description to clarify the related data elements and their content						

PO114	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Optional
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						

P0607: If either PO1-06 or PO1-07 is present, then the other is required  
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.

**Code**                **Name**

MG                    Manufacturer's Part Number

PO115	234	<b>Product/Service ID</b>	C	AN	1/48	Conditional
<b>Description:</b> A free-form description to clarify the related data elements and their content						

PO116	235	<b>Product/Service ID Qualifier</b>	C	ID	2/2	Optional
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						

P0607: If either IT1-06 or IT1-07 is present, then the other is required.

IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Code**                **Name**

VP                    Vendor's (Seller's) Part Number

PO117	234	<b>Product/Service ID</b>	C	AN	1/48	Conditional
<b>Description:</b> A free-form description to clarify the related data elements and their content						

# PID Loop Product/Item Description

Pos: 050	Max: 1000
Detail – Mandatory	
Loop: PID	Elements: 4

**User Option:** Required

**Purpose:** To describe a product or process in coded or free-form format

## Element Summary:

Ref	ID	Element Name	Req	Type	Min/Max	Usage
PID01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description  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. <b>Code</b> <b>Name</b> F                    Free-Form	M	ID	1/1	Required
PID03	559	<b>Agency Qualifier Code</b> <b>Description:</b> A free-form description to clarify the related data elements and their content. <b>Code</b> <b>Name</b> ZZ                  Mutually Defined	C	ID	2/2	Conditional
PID04	751	<b>Product Description Code</b> <b>Description:</b> A code from an industry code list which provides specific data about a product characteristic  C0403: If PID-04 is present, then PID-03 is required R0405: At least one of PID-04 or PID-05 is required PID04 should be used for industry-specific product description codes.	C	AN	1/12	Conditional
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	C	AN	1/80	Conditional

# PO4 Item Physical Details

Pos: 090	Max: 1
Detail – Mandatory	
Loop: N/A	Elements: 4

**User Option:** Optional

**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

## Element Summary:

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<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	<b>Pack</b> <b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container	O	N0	1/6	Optional
PO402	357	<b>Size</b> <b>Description:</b> Size of supplier units in pack  PO203: If either PO4-02 or PO4-03 is present, then the other is requiredA free-form description to clarify the related data elements and their content.	C	ID	2/2	Conditional
PO403	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.  PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".  <u>Code</u> <u>Name</u> AS                Assortment	C	ID	2/2	Conditional
PO404	103	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required  <u>Code</u> <u>Name</u> CAS                Case	O	AN	3/5	Conditional

# PKG

## Item Physical Details

Pos: ---	Max: 200
Detail - Optional	
Loop: PKG	Elements: 3

**User Option:** Optional

**Purpose:** To describe marking, packaging, loading, and unloading requirements

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PKG01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.  <u>Code</u> <u>Name</u> F                 Free Form	C	ID	1/1	Optional
PKG03	559	<b>Agency Qualifier Code</b> <b>Description:</b> Size of supplier units in pack	C	ID	2/2	Conditional

P0203: If either PO4-02 or PO4-03 is present, then the other is required. A free-form description to clarify the related data elements and their content.

<u>Code</u>	<u>Name</u>
ZZ	Mutually Defined

PKG04 355 **Unit or Basis for Measurement Code** C AN 1/7 Conditional

**Description:** A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

R040506: At least one of PKG-04, PKG-05 or PKG-06 is required  
 C0403: If PKG-04 is present, then PKG-03 is required  
 PKG04 should be used for industry-specific packaging description codes.

# AMT

## Monetary Amount

<b>Pos: 600</b>	<b>Max: 200</b>
<b>Detail – Optional</b>	
<b>Loop: PKG</b>	<b>Elements: 3</b>

**User Option:** Optional

**Purpose:** To describe marking, packaging, loading, and unloading requirements

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b>	M	ID	1/3	Required
		<b>Description:</b> Code to qualify amount.				
		<u>Code</u>		<u>Name</u>		
		1		Line Item Total		
AMT02	782	<b>Monetary Amount</b>	M	R	1/18	Required
		<b>Description:</b> Monetary amount; Two Decimals				



**SUMMARY****AMT****Monetary Amount**

Pos: 020	Max: 200
Detail – Optional	
Loop: N/A	Elements: 3

**User Option:** Optional**Purpose:** To describe marking, packaging, loading, and unloading requirements**Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	<b>Amount Qualifier Code</b> <b>Description:</b> Code to qualify amount.	M	ID	1/3	Required
		<b>Code</b> <b>Name</b>				
		5                    Total Invoice Amount				
AMT02	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount; Two Decimals	M	R	1/18	Required

**CTT****Transaction Totals**

Pos: ---	Max: 1
Summary – Mandatory	
Loop: CTT	Elements: 1

**User Option:** Required**Purpose:** To transmit a hash total for a specific element in the transaction set**Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set	M	N0	1/6	Required

**SE****Transaction Set Trailer**

Pos: 030	Max: 1
Summary – Mandatory	
Loop: N/A	Elements: 2

**User Option:** Required

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

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Required
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments.				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Required
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.				

# GE

## Functional Group Trailer

Pos: ---	Max: 1
Summary – Mandatory	
Loop: N/A	Elements: 2

**User Option:** Required

**Purpose:** To indicate the end of a functional group and to provide control information.

### Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Required
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.				
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Required
		<b>Description:</b> Assigned number originated and maintained by the sender. GE02 must be equal to the value provided in GS06.				

# IEA

## Interchange Control Trailer

Pos: ---	Max: 1
Summary – Mandatory	
Loop: N/A	Elements: 2

**User Option:** Required

**Purpose:** To Define the end of an interchange of zero or more functional groups and interchange-related control segments.

**Element Summary:**

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b> <b>Description:</b> A count of the number of functional groups included in an interchange.	M	N0	1/5	Required
IEA02	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender. IEA02 must be equal to the value provided in ISA13.	M	N0	9/9	Required