

867 - Product Transfer & Resale

Standard Version

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867 Product Transfer and Resale Report

Functional Group=**PT**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Transfer and Resale Report Transaction Set (867) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to: (1) report information about product that has been transferred from one location to another; (2) report sales of product from one or more locations to an end customer; or (3) report sales of a product from one or more locations to an end customer, and demand beyond actual sales (lost orders). Report may be issued by either buyer or seller.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BPT	Beginning Segment for Product Transfer and Resale	M	1			Must use
030	DTM	Date/Time Reference	O	10			Used
040	DTM	Date/Time Reference	O	10			Used
050	REF	Reference Identification	O	12			Used
060	REF	Reference Identification	O	12			Used
070	REF	Reference Identification	O	12			Used
080	REF	Reference Identification	O	12			Used
080	REF	Reference Identification	O	12			Used

LOOP ID - N1

5

090	N1	Name	O	1			Used
100	N3	Address Information	O	2			Used
110	N4	Geographic Location	O	1			Used

LOOP ID - N1

5

120	N1	Name	O	1			Used
130	N3	Address Information	O	2			Used
140	N4	Geographic Location	O	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - PTD					<u>>1</u>		
010	PTD	Product Transfer and Resale Detail	M	1			Must use
020	REF	Reference Identification	O	20			Used
LOOP ID - QTY					<u>>1</u>		
030	QTY	Quantity	O	1			Used
040	LIN	Item Identification	O	1			Used
050	UIT	Unit Detail	O	12			Used
060	AMT	Monetary Amount	O	12			Used
070	ITA	Allowance, Charge or Service	O	10			Used
080	PID	Product/Item Description	O	200			Used
160	MEA	Measurements	O	40			Used
160	MEA	Measurements	O	40			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - CTT					1	N3/160L	
010	CTT	Transaction Totals	O	1		N3/010	Used
020	AMT	Monetary Amount	O	12			Used
170	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

- 3/160L The number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the value of quantities (QTY02) for each QTY segment.
- 3/010 The number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the value of quantities (QTY02) for each QTY segment.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

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>	<u>Rep</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use	1
<p>Description: Code to identify the type of information in the Authorization Information</p> <p>Code Name 00 No Authorization Information Present (No Meaningful Information in I02)</p>							
ISA02	I02	Authorization Information	M	AN	10/10	Must use	1
<p>Description: 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)</p>							
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use	1
<p>Description: Code to identify the type of information in the Security Information</p> <p>Code Name 00 No Security Information Present (No Meaningful Information in I04)</p>							
ISA04	I04	Security Information	M	AN	10/10	Must use	1
<p>Description: 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)</p>							
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>Code Name 08 UCC EDI Communications ID (Comm ID)</p>							
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use	1
<p>Description: 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</p> <p>User: 9288030000</p>							
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p>							

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISA08	I07	Interchange Receiver ID Description: 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	M	AN	15/15	Must use	1
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use	1
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use	1
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Code Name U U.S. EDI Community of ASC X12, TDCC, and UCS	M	ID	1/1	Must use	1
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments Code Name 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use	1
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	NO	9/9	Must use	1
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) Code Name 0 No Acknowledgment Requested	M	ID	1/1	Must use	1
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information Code Name P Production Data	M	ID	1/1	Must use	1
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use	1

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

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>	<u>Rep</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use	1
		Description: Code identifying a group of application related transaction sets					
		Code Name					
		PT Product Transfer and Resale Report (867)					
GS02	142	Application Sender's Code	M	AN	2/15	Must use	1
		Description: Code identifying party sending transmission; codes agreed to by trading partners					
		User: 9288030000					
GS03	124	Application Receiver's Code	M	AN	2/15	Must use	1
		Description: Code identifying party receiving transmission. Codes agreed to by trading partners					
GS04	373	Date	M	DT	8/8	Must use	1
		Description: Date expressed as CCYYMMDD					
GS05	337	Time	M	TM	4/8	Must use	1
		Description: 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	Group Control Number	M	NO	1/9	Must use	1
		Description: Assigned number originated and maintained by the sender					
GS07	455	Responsible Agency Code	M	ID	1/2	Must use	1
		Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard					
		Code Name					
		X Accredited Standards Committee X12					
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use	1
		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					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed					
		<u>Code</u> <u>Name</u>					
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997					

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

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

User Option (Usage): Must use

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>	<u>Rep</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use	1
		Description: Code uniquely identifying a Transaction Set					
		Code Name					
		867 Product Transfer and Resale Report					
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					

Semantics:

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

BPT Beginning Segment for Product Transfer and Resale

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

User Option (Usage): Must use

To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data

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>	<u>Rep</u>
BPT01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set Code Name 00 Original	M	ID	2/2	Must use	1
BPT02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: <i>Invoice number</i>	O	AN	1/30	Used	1
BPT03	373	Date Description: Date expressed as CCYYMMDD User: <i>Invoice date</i>	M	DT	8/8	Must use	1
BPT04	755	Report Type Code Description: Code indicating the title or contents of a document, report or supporting item Code Name CR Letter of Credit IV Invoice	O	ID	2/2	Used	1

Syntax Rules:

1. P0506 - If either BPT05 or BPT06 is present, then the other is required.

Semantics:

1. BPT02 identifies the transfer/resale number.
2. BPT03 identifies the transfer/resale date.
3. BPT08 identifies the transfer/resale time.
4. BPT09 is used when it is necessary to reference a Previous Report Number.

DTM Date/Time Reference

Pos: 030	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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>	<u>Rep</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use	1
		Description: Code specifying type of date or time, or both date and time					
		Code Name					
		004 Purchase Order					
DTM02	373	Date	C	DT	8/8	Used	1
		Description: Date expressed as CCYYMMDD					
		User: <i>Date ordered</i>					

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

DTM Date/Time Reference

Pos: 040	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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>	<u>Rep</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use	1
		Description: Code specifying type of date or time, or both date and time					
		Code Name					
		035				Delivered	
DTM02	373	Date	C	DT	8/8	Used	1
		Description: Date expressed as CCYYMMDD					
		User: <i>Date Delivered</i>					

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify identifying 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		Code Name					
		PO Purchase Order Number					
REF02	127	Reference Identification	C	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
		User: <i>Dot Customer PO Number</i>					

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

REF Reference Identification

Pos: 060	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify identifying 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		Code Name					
		VN Vendor Order Number					
REF02	127	Reference Identification	C	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
		User: <i>Dot Order Number</i>					

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

REF Reference Identification

Pos: 070	Max: 12
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To specify identifying 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification Code Name 4P Affiliation Number	M	ID	2/3	Must use	1
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: <i>Buying Group Number</i>	C	AN	1/30	Used	1
REF03	352	Description Description: A free-form description to clarify the related data elements and their content User: <i>Buying Group Name</i>	C	AN	1/80	Used	1

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

REF Reference Identification

Pos: 080	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify identifying 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		Code Name					
		CM		Buyer's Credit Memo			
		DL		Seller's Debit Memo			
		IV		Seller's Invoice Number			
REF02	127	Reference Identification	C	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
		User: <i>Invoice Number</i>					

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

REF Reference Identification

Pos: 080	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify identifying 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		Code Name					
		F8 Original Reference Number					
REF02	127	Reference Identification	C	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
		User: <i>Original Invoice Number</i>					

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

User:

This reference segment will only appear if the report type code sent in the BPT04 is equal to "CR". It is used to communicate the original invoice number to which the debit or credit memo is referring.

N1 Name

Pos: 090	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

To identify a party by type of organization, name, and code

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>	<u>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use	1
		Description: Code identifying an organizational entity, a physical location, property or an individual					
		Code Name					
		BT Bill-to-Party					
N102	93	Name	C	AN	1/60	Used	1
		Description: Free-form name					
N103	66	Identification Code Qualifier	C	ID	1/2	Used	1
		Description: Code designating the system/method of code structure used for Identification Code (67)					
		Code Name					
		91 Assigned by Seller or Seller's Agent					
N104	67	Identification Code	C	AN	2/80	Used	1
		Description: Code identifying a party or other code					
		User: <i>Dot Foods' Bill-To Customer Number</i>					

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

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.

N3 Address Information

Pos: 100	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

To specify the location of the named party

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>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: Address information					

N4 Geographic Location

Pos: 110	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

To specify the geographic place of the named party

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>	<u>Rep</u>
N401	19	City Name	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	State or Province Code	O	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	Postal Code	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

N1 Name

Pos: 120	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

To identify a party by type of organization, name, and code

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>	<u>Rep</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual Code Name ST Ship To	M	ID	2/3	Must use	1
N102	93	Name Description: Free-form name	C	AN	1/60	Used	1
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) Code Name 91 Assigned by Seller or Seller's Agent	C	ID	1/2	Used	1
N104	67	Identification Code Description: Code identifying a party or other code User: <i>Dot Foods' Ship-To Customer Number</i>	C	AN	2/80	Used	1

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

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.

N3 Address Information

Pos: 130	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

To specify the location of the named party

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>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: Address information					

N4 Geographic Location

Pos: 140	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

To specify the geographic place of the named party

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>	<u>Rep</u>
N401	19	City Name	O	AN	2/30	Used	1
		Description: Free-form text for city name					
N402	156	State or Province Code	O	ID	2/2	Used	1
		Description: Code (Standard State/Province) as defined by appropriate government agency					
N403	116	Postal Code	O	ID	3/15	Used	1
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

PTD Product Transfer and Resale Detail

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PTD	Elements: 1

User Option (Usage): Must use

To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

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>	<u>Rep</u>
PTD01	521	Product Transfer Type Code	M	ID	2/2	Must use	1

Description: Code identifying the type of product transfer

<u>Code</u>	<u>Name</u>
SU	Summary

Syntax Rules:

1. P0203 - If either PTD02 or PTD03 is present, then the other is required.
2. P0405 - If either PTD04 or PTD05 is present, then the other is required.

REF Reference Identification

Pos: 020	Max: 20
Detail - Optional	
Loop: PTD	Elements: 2

User Option (Usage): Used

To specify identifying 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		Code Name					
		SL Sales/Territory Code					
REF02	127	Reference Identification	C	AN	1/30	Used	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
		User: <i>Supplier's Salesman Number</i>					

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

QTY Quantity

Pos: 030	Max: 1
Detail - Optional	
Loop: QTY	Elements: 3

User Option (Usage): Used

To specify quantity 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>	<u>Rep</u>
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use	1
		Description: Code specifying the type of quantity					
		Code Name					
		39 Shipped Quantity					
QTY02	380	Quantity	C	R	1/15	Used	1
		Description: Numeric value of quantity					
QTY03	C001	Composite Unit of Measure	O	Comp		Used	1
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)					
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		Code Name					
		BG Bag					
		CA Case					
		DR Drum					
		EA Each					
		GA Gallon					
		PA Pail					
		TE Tote					

Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

Semantics:

1. QTY04 is used when the quantity is non-numeric.

LIN Item Identification

Pos: 040	Max: 1
Detail - Optional	
Loop: QTY	Elements: 6

User Option (Usage): Used

To specify basic item identification data

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>	<u>Rep</u>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use	1
<p>Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>User: UK preferred. UA available upon request.</p> <p>Code Name</p> <p>UA U.P.C./EAN Case Code (2-5-5)</p> <p>UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)</p>							
LIN03	234	Product/Service ID	M	AN	1/48	Must use	1
<p>Description: Identifying number for a product or service</p> <p>User: UPC-14 (GTIN) or UPC-12</p> <p>User Note 1: UPC-14 preferred. UPC-12 available upon request.</p>							
LIN04	235	Product/Service ID Qualifier	C	ID	2/2	Used	1
<p>Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>Code Name</p> <p>MG Manufacturer's Part Number</p>							
LIN05	234	Product/Service ID	C	AN	1/48	Used	1
<p>Description: Identifying number for a product or service</p> <p>User: Manufacturer's Item Number</p>							
LIN06	235	Product/Service ID Qualifier	C	ID	2/2	Used	1
<p>Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>Code Name</p> <p>VN Vendor's (Seller's) Item Number</p>							
LIN07	234	Product/Service ID	C	AN	1/48	Used	1
<p>Description: Identifying number for a product or service</p> <p>User: Dot Foods' Item Number</p>							

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.

4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

UIT Unit Detail

Pos: 050	Max: 12
Detail - Optional	
Loop: QTY	Elements: 3

User Option (Usage): Used

To specify item unit data

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>	<u>Rep</u>
UIT01	C001	Composite Unit of Measure	M	Comp		Must use	1
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)					
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<u>Code</u> <u>Name</u>					
		BG Bag					
		CA Case					
		DR Drum					
		EA Each					
		GA Gallon					
		LB Pound					
		PA Pail					
		TE Tote					
UIT02	212	Unit Price	C	R	1/17	Used	1
		Description: Price per unit of product, service, commodity, etc.					
UIT03	639	Basis of Unit Price Code	O	ID	2/2	Used	1
		Description: Code identifying the type of unit price for an item					
		<u>Code</u> <u>Name</u>					
		NT Net					

Syntax Rules:

1. C0302 - If UIT03 is present, then UIT02 is required.

User:

On credits, price shown in the UIT02 will be the extended amount, which is also reflected in the AMT02.

AMT Monetary Amount

Pos: 060	Max: 12
Detail - Optional	
Loop: QTY	Elements: 3

User Option (Usage): Used

To indicate the total monetary amount

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>	<u>Rep</u>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use	1
		Description: Code to qualify amount					
		Code Name					
		1	Line Item Total				
AMT02	782	Monetary Amount	M	R	1/18	Must use	1
		Description: Monetary amount					
AMT03	478	Credit/Debit Flag Code	O	ID	1/1	Used	1
		Description: Code indicating whether amount is a credit or debit					
		User: <i>Only appears if invoice is a debit or credit invoice, does not appear on regular (IV) invoices.</i>					
		Code Name					
		C	Credit				
		D	Debit				

ITA Allowance, Charge or Service

Pos: 070	Max: 10
Detail - Optional	
Loop: QTY	Elements: 4

User Option (Usage): Used

To specify allowances, charges, or services

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>	<u>Rep</u>
ITA01	248	Allowance or Charge Indicator	M	ID	1/1	Must use	1
		Description: Code which indicates an allowance or charge for the service specified					
		Code Name					
		P		Promotion			
ITA04	331	Allowance or Charge Method of Handling Code	M	ID	2/2	Must use	1
		Description: Code indicating method of handling for an allowance or charge					
		Code Name					
		02		Off Invoice			
ITA06	359	Allowance or Charge Rate	O	R	1/15	Used	1
		Description: Allowance or Charge Rate per Unit					
ITA07	360	Allowance or Charge Total Amount	O	N2	1/15	Used	1
		Description: Total dollar amount for the allowance or charge					
		User: Promotion amount is already netted out of the price reflected in the UIT02.					

Syntax Rules:

1. L02031314 - If ITA02 is present, then at least one of ITA03, ITA13 or ITA14 is required.
2. C0809 - If ITA08 is present, then ITA09 is required.
3. P1011 - If either ITA10 or ITA11 is present, then the other is required.
4. C1502 - If ITA15 is present, then ITA02 is required.
5. C1712 - If ITA17 is present, then ITA12 is required.

Semantics:

1. ITA09 is the allowance or charge percent.
2. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3. ITA12 is the quantity of free goods.

Comments:

1. If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2. ITA02 identifies the source of the code value in ITA03 or ITA15.
3. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4. ITA13 is used to clarify the allowance, charge, or service.
5. ITA15 specifies the individual code list of the agency specified in ITA02.
6. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

User:

ITA segment is only sent when item promotion is present on customer invoice.

PID Product/Item Description

Pos: 080	Max: 200
Detail - Optional	
Loop: QTY	Elements: 2

User Option (Usage): Used

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

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>	<u>Rep</u>
PID01	349	Item Description Type	M	ID	1/1	Must use	1
		Description: Code indicating the format of a description					
		Code Name					
		F Free-form					
PID05	352	Description	C	AN	1/80	Used	1
		Description: A free-form description to clarify the related data elements and their content					

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

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.

MEA Measurements

Pos: 160	Max: 40
Detail - Optional	
Loop: QTY	Elements: 4

User Option (Usage): Used

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

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>	<u>Rep</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used	1
		Description: Code identifying the broad category to which a measurement applies					
		Code Name					
		WT Weights					
MEA02	738	Measurement Qualifier	O	ID	1/3	Used	1
		Description: Code identifying a specific product or process characteristic to which a measurement applies					
		Code Name					
		N Actual Net Weight					
MEA03	739	Measurement Value	C	R	1/20	Used	1
		Description: The value of the measurement					
MEA04	C001	Composite Unit of Measure	C	Comp		Used	1
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)					
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		Code Name					
		LB Pound					

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

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.

MEA Measurements

Pos: 160	Max: 40
Detail - Optional	
Loop: QTY	Elements: 4

User Option (Usage): Used

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

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>	<u>Rep</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used	1
		Description: Code identifying the broad category to which a measurement applies					
		Code Name					
		WT Weights					
MEA02	738	Measurement Qualifier	O	ID	1/3	Used	1
		Description: Code identifying a specific product or process characteristic to which a measurement applies					
		Code Name					
		G Gross Weight					
MEA03	739	Measurement Value	C	R	1/20	Used	1
		Description: The value of the measurement					
MEA04	C001	Composite Unit of Measure	C	Comp		Used	1
		Description: To identify a composite unit of measure(See Figures Appendix for examples of use)					
	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use	1
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		Code Name					
		LB Pound					

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

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.

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

User Option (Usage): Used

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>	<u>Rep</u>
CTT01	354	Number of Line Items	M	NO	1/6	Must use	1

Description: Total number of line items in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

AMT Monetary Amount

Pos: 020	Max: 12
Summary - Optional	
Loop: CTT	Elements: 3

User Option (Usage): Used

To indicate the total monetary amount

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>	<u>Rep</u>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use	1
		Description: Code to qualify amount					
		Code Name					
		5				Total Invoice Amount	
AMT02	782	Monetary Amount	M	R	1/18	Must use	1
		Description: Monetary amount					
AMT03	478	Credit/Debit Flag Code	O	ID	1/1	Used	1
		Description: Code indicating whether amount is a credit or debit					
		User: <i>Only appears if invoice is a debit or credit invoice, does not appear on regular (IV) invoices.</i>					
		Code Name					
		C				Credit	
		D				Debit	

SE Transaction Set Trailer

Pos: 170	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set 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>	<u>Rep</u>
SE01	96	Number of Included Segments	M	NO	1/10	Must use	1
		Description: Total number of segments included in a transaction set including ST and SE segments					
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					

Comments:

1. SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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>	<u>Rep</u>
GE01	97	Number of Transaction Sets Included	M	NO	1/6	Must use	1
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element					
GE02	28	Group Control Number	M	NO	1/9	Must use	1
		Description: Assigned number originated and maintained by the sender					

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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>	<u>Rep</u>
IEA01	I16	Number of Included Functional Groups	M	NO	1/5	Must use	1
		Description: A count of the number of functional groups included in an interchange					
IEA02	I12	Interchange Control Number	M	NO	9/9	Must use	1
		Description: A control number assigned by the interchange sender					

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