

ANSI X12 4010 867 - Product Transfer and Resale Report

Version: R8674010v1 Draft

Modified:

10/27/2004

Notes:

10/26/2004 - In an effort to validate that 100% of a partners reporting locations have been received, Adobe is implementing business logic to track POS data by location. In order to implement this functionality the 867 specification has been modified to include the location data in the N1 at the header.

The N1 at the header level was divided into two loops. The first loop identifies the reporting partner (distributor/reseller) and

**the second loop identifies the
actual warehouse/store location
that the report is for.**

867 Product Transfer and Resale Report

Functional Group=PT

The purpose of this transaction set is to transmit the contents of a Product Transfer and Resale Report transaction set within the context of an electronic data interchange (EDI) environment. The Product Transfer and Resale Report transaction set may be used in the following ways: (1) to report information about product that has been transferred from one location to another; (2) to report sales of product from one or more locations to an end customer; or (3) to 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.

Notes:

- 3/010L 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.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Used
	GS	Functional Group Header	M	1			Used

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BPT	Beginning Segment for Product Transfer and Resale	M	1			Must use

LOOP ID - N1						5	
080	N1	Name	O	1			Must use
090	N2	Additional Name Information	O	2			Recommended
100	N3	Address Information	O	2			Must use
110	N4	Geographic Location	O	1			Must use
LOOP ID - PER						>1	
130	PER	Administrative Communications Contact	O	1			Recommended
LOOP ID - N1						5	
080	N1	Name	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PTD						>1	
010	PTD	Product Transfer and Resale Detail	M	1			Must use
LOOP ID - N1						5	
050	N1	Name	O	1			Must use
060	N2	Additional Name Information	O	2			Recommended
070	N3	Address Information	O	2			Must use
080	N4	Geographic Location	O	1			Must use
090	REF	Reference Identification	O	20			Recommended
100	PER	Administrative Communications Contact	O	3			Recommended
LOOP ID - QTY						>1	
110	QTY	Quantity	O	1			Must use
120	LIN	Item Identification	O	1			Must use
130	UIT	Unit Detail	O	12			Recommended
150	PID	Product/Item Description	O	200			Must use
190	REF	Reference Identification	O	>1			Must use
210	DTM	Date/Time Reference	O	10			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT						1	N3/010L
010	CTT	Transaction Totals	O	1		N3/010	Must use
030	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			Used
	IEA	Interchange Control Trailer	M	1			Used

ISA Interchange Control Header

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

User Option (Usage): Used

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information Code Name 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	Must use	1
ISA02	I02	Authorization Information 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)	M	AN	10/10	Must use	1
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information Code Name 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must use	1
ISA04	I04	Security Information 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)	M	AN	10/10	Must use	1
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.	M	ID	2/2	Must use	1
ISA06	I06	Interchange Sender ID 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	M	AN	15/15	Must use	1
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Code Name 16 Duns Number With 4-Character Suffix	M	ID	2/2	Must use	1
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 All valid standard codes are used.	M	ID	1/1	Must use	1

<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>
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	N0	9/9	Must use	1
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used.	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 T Test 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): Used

To indicate the beginning of a functional group and to provide control information

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.

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 Description: Code identifying a group of application related transaction sets Code Name PT Product Transfer and Resale Report (867)	M	ID	2/2	Must use	1
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use	1
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners	M	AN	2/15	Must use	1
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use	1
GS05	337	Time 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)	M	TM	4/8	Must use	1
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use	1
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard Code Name X Accredited Standards Committee X12	M	ID	1/2	Must use	1
GS08	480	Version / Release / Industry Identifier Code 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 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 Code Name 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	AN	1/12	Must use	1

<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>
GS08	480	Version / Release / Industry Identifier Code 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 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	M	AN	1/12	Must use	1

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

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).

COMPTIA:

ST-867-00999001

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 Description: Code uniquely identifying a Transaction Set Code Name 867 Product Transfer and Resale Report	M	ID	3/3	Must use	1
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set COMPTIA: <i>Sequential number same as SE02</i>	M	AN	4/9	Must use	1

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

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.

COMPTIA:

BPT~00~110780~990317~02

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 COMPTIA: Note - ("00") - Original - This is the first transaction set for the current period. Note - ("05") - Replace - This transaction set replaces the preceding specified transaction. The recipient is expected to back out the previous transaction set and replace it with this transaction set. Where the Product Transfer & Resale Report covers more than one replacement for an end user or reporting location the replacement transaction purpose should cover only those locations where replacement data is applicable. REPLACEMENT TRANSACTIONS SHOULD ONLY BE SENT AFTER CONTACTING ADOBE DIRECTLY. Code Name 00 Original 05 Replace	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	O	AN	1/30	Must use	1
BPT03	373	Date Description: Date expressed as CCYYMMDD	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 COMPTIA: Note - The Resale Qualifier ("02") should be used to report sales to an end user (Sell-To). The Product Transfer Qualifier ("01") should be used for all other transfer of product (Sell-Through). To report both Sell-To and Sell-Through product, two separate transaction sets are required, though both could be transmitted in the same functional group (GS Segment) and with the same transmission (ISA Segment). Code Name 01 Product Transfer	O	ID	2/2	Used	1

Code Name

02 Resale

BPT02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Must use	1
BPT03	373	Date Description: Date expressed as CCYYMMDD	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	O	ID	2/2	Used	1

COMPTIA: Note - The Resale Qualifier ("02") should be used to report sales to an end user (Sell-To). The Product Transfer Qualifier ("01") should be used for all other transfer of product (Sell-Through). To report both Sell-To and Sell-Through product, two separate transaction sets are required, though both could be transmitted in the same functional group (GS Segment) and with the same transmission (ISA Segment).

N1 Name

Pos: 080	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

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.

COMPTIA:

N1-DU-DISTRIB/RESELLER NAME~9~9998887770001

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 DS Distributor Adobe: <i>This N1 loop is used to identify the reporting partner and their relationship with Adobe.</i>	M	ID	2/3	Must use	1
N102	93	DU Resale Dealer 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) COMPTIA: <i>Note - CompTIA recommends the use of a Dun & Bradstreet (DUNS) number to identify the trading partners. D&B assigns a nine-digit identifier to each trading partner. The trading partner then assigns a four-digit (DUNS+4) code to uniquely identify the specific location, e.g. 0000 may be corporate offices, 0001 may be a central warehouse, 0002 may be one of the trading partners sites.</i>	C	ID	1/2	Used	1
		Code Name 9 D-U-N-S+4,D-U-N-S Number with Four Character Suffix 93 Code assigned by the organization originating the transaction set 94 Code assigned by the organization that is the ultimate destination of the transaction set					
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used	1

N2 Additional Name Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Recommended

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

COMPTIA:

N2--DEPARTMENT

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>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use	1
N202	93	Name Description: Free-form name	O	AN	1/60	Used	1

N3 Address Information

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

User Option (Usage): Must use

To specify the location of the named party

COMPTIA:

N3-303 EMBARCADERO CENTER

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 Description: Address information	M	AN	1/55	Must use	1
N302	166	Address Information Description: Address information	O	AN	1/55	Used	1

N4 Geographic Location

Pos: 110	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

To specify the geographic place of the named party

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.

COMPTIA:

N4~SAN FRANCISCO~CA~943011234~US

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 Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1
N404	26	Country Code Description: Code identifying the country COMPTIA: US - United States CA - Canada	O	ID	2/3	Used	1

PER Administrative Communications Contact

Pos: 130	Max: 1
Heading - Optional	
Loop: PER	Elements: 8

User Option (Usage): Recommended

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

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

EXAMPLE:

PER~IC~J SMITH~TE~8015551234~FX~8015554321

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named Code Name IC Information Contact	M	ID	2/2	Must use	1
PER02	93	Name Description: Free-form name	O	AN	1/60	Used	1
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number Code Name TE Telephone	C	ID	2/2	Used	1
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable COMPTIA: Communications number with country or area code in the format 800-555-1212x1234	C	AN	1/80	Used	1
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number Code Name FX Facsimile	C	ID	2/2	Used	1
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used	1
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number Code Name EM Electronic Mail	C	ID	2/2	Not used	1
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Not used	1

N1 Name

Pos: 080	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

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.

COMPTIA:

N1-WH-WAREHOUSE/STORE NAME~9~9998887770001

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 SN Store Adobe: <i>This N1 loop is to be used to identify each individual reporting location.</i>	M	ID	2/3	Must use	1
N102	93	WH Warehouse 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) COMPTIA: <i>Note - CompTIA recommends the use of a Dun & Bradstreet (DUNS) number to identify the trading partners. D&B assigns a nine-digit identifier to each trading partner. The trading partner then assigns a four-digit (DUNS+4) code to uniquely identify the specific location, e.g. 0000 may be corporate offices, 0001 may be a central warehouse, 0002 may be one of the trading partners sites.</i> Code Name 9 D-U-N-S+4,D-U-N-S Number with Four Character Suffix 93 Code assigned by the organization originating the transaction set	M	ID	1/2	Must use	1
N104	67	Identification Code Description: Code identifying a party or other code	M	AN	2/80	Must use	1

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

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.

COMPTIA:

PTD~SD

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 Description: Code identifying the type of product transfer <u>Code</u> <u>Name</u> SD Ship and Debit Sale	M	ID	2/2	Must use	1
PTD01	521	Product Transfer Type Code Description: Code identifying the type of product transfer	M	ID	2/2	Must use	1

N1 Name

Pos: 050	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

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.

COMPTIA:

N1~RQ~RESELLER/CUSTOMER~91~1234567891234

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	M	ID	2/3	Must use	1
		Code Name BT Bill-to-Party SO Sold To If Different From Bill To ST Ship To					
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)	C	ID	1/2	Used	1
		Code Name 1 D-U-N-S Number,Dun & Bradstreet 9 D-U-N-S+4,D-U-N-S Number with Four Character Suffix 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent					
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used	1

N2 Additional Name Information

Pos: 060	Max: 2
Detail - Optional	
Loop: N1	Elements: 1

User Option (Usage): Recommended

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

COMPTIA:

N2--DEPARTMENT

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>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use	1

N3 Address Information

Pos: 070	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Must use

To specify the location of the named party

COMPTIA:
N3-ADDRESS

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 Description: Address information	M	AN	1/55	Must use	1
N302	166	Address Information Description: Address information	O	AN	1/55	Used	1

N4 Geographic Location

Pos: 080	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

To specify the geographic place of the named party

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.

COMPTIA:

N4~CITY~CA~941231234~US

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 Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1
N404	26	Country Code Description: Code identifying the country COMPTIA: US - United States CA - Canada	O	ID	2/3	Used	1

REF Reference Identification

Pos: 090	Max: 20
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Recommended

To specify identifying information

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.

COMPTIA:

REF~ZZ~123456

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 ZZ Mutually Defined	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	C	AN	1/30	Used	1

PER Administrative Communications Contact

Pos: 100	Max: 3
Detail - Optional	
Loop: N1	Elements: 8

User Option (Usage): Recommended

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

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

COMPTIA:

PER~IC~CONTACT NAME~TE~408-555-12 12

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named Code Name	M	ID	2/2	Must use	1
		IC Information Contact					
PER02	93	Name Description: Free-form name	O	AN	1/60	Used	1
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number Code Name	C	ID	2/2	Used	1
		TE Telephone					
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable COMPTIA: <i>Communications number with country or area code in the format 800-555-12 12x1234</i>	C	AN	1/80	Used	1
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number Code Name	C	ID	2/2	Used	1
		FX Facsimile					
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Used	1
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number Code Name	C	ID	2/2	Not used	1
		EM Electronic Mail					
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	Not used	1

QTY Quantity

Pos: 110	Max: 1
Detail - Optional	
Loop: QTY	Elements: 2

User Option (Usage): Must use

To specify quantity information

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.

EXAMPLE:

QTY~39~1

Adobe:

In the Detail position of the Product Transfer & Resale X12 EDI document, this segment identifies the quantity of the product in the following LIN segment that was shipped or returned.

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 Description: Code specifying the type of quantity Code Name 39 Shipped Quantity 76 Returns	M	ID	2/2	Must use	1
QTY02	380	Quantity Description: Numeric value of quantity Adobe: <i>Numeric value of quantity sold or returned (always a positive value)</i>	C	R	1/15	Must use	1

LIN Item Identification

Pos: 120	Max: 1
Detail - Optional	
Loop: QTY	Elements: 7

User Option (Usage): Must use

To specify basic item identification data

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.

COMPTIA:

In the Detail position of the Product Transfer & Resale X12 EDI document, this segment identifies the product that was shipped. CompTIA recommends the use of supplier part numbers.

EXAMPLE:

LIN~UP~098756100013~BP~P16235128L

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
LIN01	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set COMPTIA: Not used by CompTIA Adobe: Used to identify the line item of the transaction the data is being pulled from. Adobe uses this as a unique identifier to check for duplicate records.	O	AN	1/20	Must use	1
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) COMPTIA: Note - CompTIA recommends the use of supplier part numbers in either UPC, EAN, or Code 39 with FACT Data Identifier formats. Transitional use of reporting location's part numbers may facilitate the cross-referencing of supplier part numbers to the buyer's part numbers. The reporting location's part numbers should be phased out and replaced with supplier part numbers. All suppliers will need either a manufacturer's identification assigned by the Uniform Code Council or the appropriate EAN (European Article Number) authority or a publisher identification assigned by the appropriate ISBN agency. Contact CompTIA for information on	M	ID	2/2	Must use	1

<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>
		<p><i>these coding structures.</i></p> <p><i>Note - Vendor's manufacturer identifying number is used conditionally when LIN02 reflects "MG".</i></p> <p>Code Name MG Manufacturer's Part Number</p>					
LIN03	234	<p>Product/Service ID Description: Identifying number for a product or service</p>	M	AN	1/48	Must use	1
LIN04	235	<p>Adobe: Adobe SKU</p> <p>Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>COMPTIA: See code list in LIN02. <i>Use as many pairs of DE 235/ DE 234 as required.</i></p>	C	ID	2/2	Used	1
LIN05	234	<p>Code Name VP Vendor's (Seller's) Part Number</p> <p>Product/Service ID Description: Identifying number for a product or service</p> <p>COMPTIA: Use as many pairs of DE 235/ DE 234 as required.</p>	C	AN	1/48	Used	1
LIN06	235	<p>Adobe: Your SKU</p> <p>Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>COMPTIA: See code list in LIN02.</p>	C	ID	2/2	Used	1
LIN07	234	<p>Code Name UP U.P.C. Consumer Package Code (1-5-5-1)</p> <p>Product/Service ID Description: Identifying number for a product or service</p> <p>Adobe: UPC Code</p>	C	AN	1/48	Used	1

UIT Unit Detail

Pos: 130	Max: 12
Detail - Optional	
Loop: QTY	Elements: 3

User Option (Usage): Recommended

To specify item unit data

Syntax Rules:

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

EXAMPLE:

UIT~EA~99.95~CP

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 Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Must use	1
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code Name EA Each	M	ID	2/2	Must use	1
UIT02	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Used	1
UIT03	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item Code Name DI Distributor RS Resale Price	O	ID	2/2	Used	1
UIT02	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17	Used	1
UIT03	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item	O	ID	2/2	Used	1

PID Product/Item Description

Pos: 150	Max: 200
Detail - Optional	
Loop: QTY	Elements: 2

User Option (Usage): Must use

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

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.

COMPTIA:

In this Detail position of the Product Transfer and Resale X12EDI document, this segment identifies structured product use (operational environment) code of product named in the preceding LIN segment. The structured product use codes (PID04) are maintained by CompTIA. If the same product (item code) is targeted for use in more than one operational environment, separate QTY loops should be used for the same product with different operational environments.

EXAMPLE:

PED~F~~~~PHOTOSHOP V5.0 WIN95/WIN NT CD

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 Description: Code indicating the format of a description Code Name F Free-form	M	ID	1/1	Must use	1
PID05	352	Description Description: A free-form description to clarify the related data elements and their content Adobe: Example: ADOBE PHOTOSHOP V5.0 WIN 95/WIN NT CD	C	AN	1/80	Used	1

REF Reference Identification

Pos: 190	Max: >1
Detail - Optional	
Loop: QTY	Elements: 2

User Option (Usage): Must use
 To specify identifying information

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.

COMPTIA:

In this Detail position of the Product Transfer and Resale X12 EDI document, this segment is used for reference numbers relating specific line items, e.g., serial numbers. The other use for this detail REF segment recommended by CompTIA is to report identifying reference numbers. i.e., original invoice number, tax exemption number, customer's order number, and seller's invoice number. There is one reference number per segment. It is recommended that the first REF segment identify the invoice number and serial numbers (if appropriate) be listed immediately following the invoice number.

EXAMPLE:

REF~IV~MIN78901
 REF~SE~QM012345
 REF~CO~CON54321
 REF~SW~SIN767676
 REF~TX~123451234

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 <u>Code</u> <u>Name</u> CO Customer Order Number IV Seller's Invoice 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	C	AN	1/30	Used	1

DTM Date/Time Reference

Pos: 210	Max: 10
Detail - Optional	
Loop: QTY	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

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.

COMPTIA:

In this Detail position of the Product Transfer & Resale X12 EDI document, this segment identifies the date that the product named in the preceding LIN segment was invoiced or shipped.

EXAMPLE:

DTM~011~19920925

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 Description: Code specifying type of date or time, or both date and time Code Name 003 Invoice 011 Shipped	M	ID	3/3	Must use	1
DTM02	373	Date Description: Date expressed as CCYYMMDD	C	DT	8/8	Used	1

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option (Usage): Must use

To transmit a hash total for a specific element 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.

COMPTIA:

In this Summary position of the Inventory Reporting X12 EDI document, this segment identifies the number of line items and quantities reported.

EXAMPLE:

CTT~1~2

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 Description: Total number of line items in the transaction set	M	N0	1/6	Must use	1
CTT02	347	Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:-.0018 First occurrence of value beinghashed..18 Second occurrence of value beinghashed.1.8 Third occurrence of value beinghashed.18.01 Fourth occurrence of value beinghashed.-----1855 Hash total prior to truncation.855 Hash total after truncation tothree-digit field.	O	R	1/10	Used	1

SE Transaction Set Trailer

Pos: 030	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)

Comments:

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

COMPTIA:

SE-21~00999001

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 Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use	1
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use	1

GE Functional Group Trailer

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

User Option (Usage): Used

To indicate the end of a functional group and to provide control information

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.

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 Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use	1
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use	1

IEA Interchange Control Trailer

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

User Option (Usage): Used

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 Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use	1
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use	1

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