ANSI X12 4010 846 - Inventory Inquiry/Advice

Version: R8464010v1 Draft

Modified: **10/27/2004**

Notes: **10/26/2004 - In an effort to validate that 100% of a partners reporting locations has been received, Adobe is implementing business logic to track inventory by location. In order to implement this functionality the 846 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.

846 Inventory Inquiry/Advice

Functional Group=IB

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

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	BIA	Beginning Segment for Inventory Inquiry/Advice	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
130	PER	Administrative Communications Contact	O	3			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 - LIN					**10000**		
010	LIN	Item Identification	M	1			Must use
030	PID	Product/Item Description	O	200			Must use
LOOP ID - QTY					**99**		
320	QTY	Quantity	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	O	1			Must use
020	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	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
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information

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

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

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)

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

Description: Code to identify the type of information in the Security Information

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

ISA04	I04	**Security Information**	M	AN	10/10	Must use

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)

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

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.

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

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

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

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

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

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

ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

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.

ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		All valid standard codes are used.				
ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		Code Name				
		P Production Data				
		T Test Data				
ISA16	I15	**Component Element Separator**	M		1/1	Must use
		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				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use
		Description: Code identifying a group of application related transaction sets				
		Code Name				
		IB Inventory Inquiry/Advice (846)				
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use
		Description: Code identifying party sending transmission; codes agreed to by trading partners				
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use
		Description: Code identifying party receiving transmission. Codes agreed to by trading partners				
GS04	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
GS05	337	**Time**	M	TM	4/8	Must use
		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	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use
		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
		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				
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use
		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				

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
		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				

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
		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				

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).

EXAMPLE:

ST~846~0099001

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				
		Code Name				
		846 Inventory Inquiry/Advice				
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
		Sequential number same as SE02				

BIA Beginning Segment for Inventory Inquiry/Advice

<table>
<tr><td>Pos: 020</td><td></td><td>Max: 1</td></tr>
<tr><td></td><td>Heading - Mandatory</td><td></td></tr>
<tr><td>Loop: N/A</td><td></td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

To indicate the beginning of an Inventory Inquiry/Advice Transaction Set

Semantics:

1. BIA03 identifies the number of the inquiry/advice that is transferred.
2. BIA04 identifies the date of the inquiry/advice that is transferred.
3. BIA05 identifies the time of the inquiry/advice that is transferred.

EXAMPLE:

BIA~00~SI~SYSTEMINV3963~19911108

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

"00" Original.   This is the first transaction set for the current period. Items with zero quantity are not reported. Items that have not changed values from previous reports are still reported as long as quantity is not zero. On the Original transaction set BIA03 is a unique number.

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 Inventory Advice 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.

Code Name
00   Original
05   Replace
          REPLACEMENT TRANSACTIONS SHOULD ONLY BE SENT AFTER CONTACTING ADOBE DIRECTLY.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA02	755	**Report Type Code**	M	ID	2/2	Must use

Description: Code indicating the title or contents of a document, report or supporting item

CompTIA recommends that "DD" be used when Distributors and "SI" be used when Resellers report inventory to their trading partners. CompTIA recommends that "LC" be used when trading partners other than distributors, manufacturers, or resellers report their inventory. Locations providing inventory reports from multiple stock locations should provide inventory reports in separate X12 846 transactions.

Code Name
DD   Distributor Inventory Report
SI   Seller Inventory Report

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA03	127	**Reference Identification**	M	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
Identifying Number for Advice assigned by Sender.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD
Effective Inventory Date. Adobe requires an inventory report be done weekly, reported by Monday for the previous week.

N1 Name

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:

It is strongly encouraged that the trading partners codify all addresses within their systems through use of N103 and N104. The use of codes would eliminate the need for transmittal of N2, N3, and N4 segments below.

EXAMPLE:

N1~DS~COMPUTER RESELLER~9~12345678912324

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Locations providing inventory reports from multiple stocking locations should provide a separate 846 transaction from each location.

Code	Name
DS	Distributor

Adobe:
This N1 loop is used to identify the reporting partner and their relationship with Adobe.

Code	Name
DU	Resale Dealer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	C	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	C	ID	1/2	Used

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

CompTIA recommends the use of Dun & Bradstreet (DUNS) number to identify the trading partners. D&B assigns a nine-digit unique 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 a central warehouse, 0002 may be one of the trading partners' sites.

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	C	AN	2/80	Used

Description: Code identifying a party or other code

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

EXAMPLE:

N2~M. BUYER

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

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

EXAMPLE:
N3~123 MAIN STREET

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

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

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.

EXAMPLE:

N4~CEDAR RAPIDS~IA~524032140

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
		5/9 digit ZIP Code or Postal Code				
N404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
		US - United States				
		CA - Canada				
		For US and Canadian locations CompTIA does recommend the use of N404. For non-US/Canadian locations the two-character country code qualifier established by ISO 3166(E/F) should be used. ISO 3166:1998 (E/F) is available from: American National Standards Institute, 11 West 42nd Street, New York, NY 10036, Telephone: 212.642.4900, FAX: 212.302.1286.				

PER Administrative Communications Contact

Pos: 130	**Max: 3**
Heading - Optional	
Loop: N1	**Elements: 6**

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.

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named				
		Code Name				
		IC Information Contact				
PER02	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	**Communication Number Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type of communication number				
		Code Name				
		TE Telephone				
PER04	364	**Communication Number**	C	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
		Communications number with country or area code in the format 800-555-1212x1234.				
PER05	365	**Communication Number Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type of communication number				
		Code Name				
		FX Facsimile				
PER06	364	**Communication Number**	C	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				

N1　Name

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:
It is strongly encouraged that the trading partners codify all addresses within their systems through use of N103 and N104. The use of codes would eliminate the need for transmittal of N2, N3, and N4 segments below.

EXAMPLE:
N1~WH~WAREHOUSE~9~12345678912324

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Locations providing inventory reports from multiple stocking locations should provide a separate 846 transaction from each location.

Adobe: *This N1 loop is to be used to identify each individual reporting location.*

Code	Name
SN	Store
WH	Warehouse

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	C	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	C	ID	1/2	Used

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

CompTIA recommends the use of Dun & Bradstreet (DUNS) number to identify the trading partners. D&B assigns a nine-digit unique 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 a central warehouse, 0002 may be one of the trading partners' sites.

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

LIN   Item Identification

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: LIN</td><td>Elements: 6</td></tr>
</table>

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.

Semantics:

1. LIN01 is the line item identification - Not used by Adobe

Comments:

1. LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. Adobe uses LIN02 through LIN07.
2. The element pairs may be in any sequence.

COMPTIA:

CompTIA discourages the use of Buyer's Part Number because of maintenance difficulties involved.

EXAMPLE:

LIN~~UP~098756100013~BP~P1234567

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code Name				
		MG Manufacturer's Part Number				
LIN03	234	**Product/Service ID**	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
		Adobe SKU				
LIN04	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Refer to recommended code list in LIN02.				
		Code Name				
		UP U.P.C. Consumer Package Code (1-5-5-1)				
		UPC code				
LIN05	234	**Product/Service ID**	C	AN	1/48	Used
		Description: Identifying number for a product or service				
		UPC Code				
LIN06	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Refer to recommended code list in LIN02.				
		Code Name				
		VP Vendor's (Seller's) Part Number				
LIN07	234	**Product/Service ID**	C	AN	1/48	Used
		Description: Identifying number for a product or service				
		Your SKU				

PID Product/Item Description

Pos: 030	**Max: 200**
Detail - Optional	
Loop: LIN	**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.

EXAMPLE:
PID~F~~~~PHOTOSHOP V5.0 WIN 95/WIN NT CD
Adobe:
Product description from Adobe price list required.
(See Glossary: Adobe product description)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type** **Description:** Code indicating the format of a description **Code** **Name** F Free-form	M	ID	1/1	Must use
PID05	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	C	AN	1/80	Used

QTY Quantity

User Option (Usage): Used

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.

COMPTIA:

In this detail position of the Inventory Advice document, this segment identifies the quantity of the product being reported. Quantities should be reported as sales quantities (eaches) of the reporting location. Inventory quantities may include quantities on hand, quantities in transit, and returns where credit has not yet been granted.

EXAMPLE:

QTY~17~15

Adobe:

(1) NOTE: The sum of the quantities reported as "On-Hand", "In-Float" and "Returns" should equal to TOTAL physical inventory of Adobe product. (2) Please do not include those inventory quantities equaling zero. This will result in smaller data transmissions and savings on all VAN charges.

ADOBE STATEMENT of INTENT: The primary goal of Adobe's Channel Partner Inventory Reporting program is to ensure that the TOTAL physical inventory of Adobe product held at distributor sites is accurately reported on a weekly basis, such that this information can be reliably used to manage distribution channel inventory levels.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY01	673	**Quantity Qualifier**	M	ID	2/2	Must use

Description: Code specifying the type of quantity

On-Order Quantity (63): The number of units of the specified item on order (not yet received) with all vendors for delivery to the specified reporting location. When reporting to a manufacturer for instance, the reported quantity could include quantities on order from several distributors as well as from the manufacturer receiving this inventory report.

Quantity "In Transit" (IQ): A subset of "On-Order Quantity", the Quantity "In Transit" is the product flow in-bound against open purchase orders (from all vendors) for delivery to the reporting location. The reported quantities could actually be 1) sitting on the vendor's dock awaiting shipment; 2) physically in-transit; or 3) sitting on the receiver's dock awaiting receipt. To report "In Transit" quantities requires knowledge of shipment prior to goods receipt.

Committed Quantity (27): Committed On-Hand inventory -- the number of units in stock that are allocated, reserved or committed to an order, but not yet relieved from physical inventory. "Committed quantity" is a subset of what should be reported in the "On-Hand" quantity (17).

Quantity on Hand (17): Saleable inventory still in physical inventory for the specified reporting location. This includes quantity committed, but not quantity in float (see below). Quantity on hand does not include nonsaleable or defective product, or product for return to a vendor (stock balancing, for instance)—these should be reported as "Returns" (76).

Quantity in Float (14): Inventory that is in-transfer

Ref	Id	Element Name	Req	Type	Min/Max	Usage

between a distributor's stocking locations (warehouses) that is not included in those locations' "On-Hand" quantities. ("In-Float" and "On-Hand" quantities are mutually exclusive.) "In-Float" Requires multiple stocking locations: Distributor owns and controls the product transfer.

Returns Quantity (76): Inventory that is being returned to the vendor (includes ALL Non-saleable, defective, stock balancing, etc, --even if it may not be returned to Adobe for credit.). It has been relieved from the sender's "On-Hand" inventory, and may be staged in a "Non-Saleable" or "Returns" status, OR picked and 1) sitting on the sender's dock awaiting shipment; 2) actually in-transit back to vendor; 3) sitting on the vendor's dock awaiting receipt; 4) received by the vendor, but not yet credited. Returns quantities may be reported until shipment or until credit is issued by Adobe.

Internal: *QTY~14~120*
QTY~17~385
QTY~27~100
QTY~33~250
QTY~63~350
QTY~76~10
QTY~BQ~25
QTY~IQ~75

Code **Name**
14   Quantity in Float
17   Quantity on Hand
27   Committed Quantity
63   On Order Quantity
76   Returns
IQ   In-Transit Quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY02	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity

CTT Transaction Totals

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:

Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

EXAMPLE:

CTT~1

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use
		Description: Total number of line items in the transaction set				

SE   Transaction Set Trailer

Pos: 020	**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.

EXAMPLE:
SE~32~136481

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
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

GE **Functional Group Trailer**

<table>
<tr><td>Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use
		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	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				

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