

846 Inventory Inquiry/Advice

X12/V4010/846 : 846 Inventory Inquiry/Advice

Version: 2.0 Final

Author:	EDI Department
Company:	D&H Distributors
Publication:	8/26/2016
Trading Partner:	
Modified:	8/26/2016

Notes

EDI notes

The EDI messages use UTF8/Unicode characters and the field data is limited to the following characters:

A through Z (upper or lowercase) (non-English characters are not permitted)

0 through 9

! " & ' () / + , - . : ; = (space) % @ [] _ { } # \$

All messages between trading partners need to meet EDI validation.

Upon sending an EDI message D&H will expect a return 997 Functional Acknowledgment.

The sample segments and messages included in this guide use the asterisk as the data element separator. The separators used for actual EDI transmissions will be agreed upon with each trading partner.

Note- D&H requires any segment reflected in this guide as 'mandatory' (note under the usage section) to be transmitted in your documents. We will accept all valid X12 segments (By ANSI standards) but will only process those required for our business unless otherwise negotiated during your implementation

EDI Contacts

General EDI Email: edi@dandh.com

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846 Inventory Inquiry/Advice

Functional Group=IB

Purpose: 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:

<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	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1			Must use
060	REF	Reference Identification	O	12			Used
LOOP ID - N1					5		
080	N1	Name	O	1			Must use
100	N3	Address Information	O	2			Used
110	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 - LIN					10000		
010	LIN	Item Identification	M	1			Must use
030	PID	Product/Item Description	O	200			Used
220	SDQ	Destination Quantity	O	500			Used
LOOP ID - QTY					99		
320	QTY	Quantity	O	1			Must use

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>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	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:

3/010 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.

ISA Interchange Control Header

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Authorization Information						
CodeList Summary (Total Codes: 7, Included: 1)						
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						
CodeList Summary (Total Codes: 2, Included: 1)						
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						
CodeList Summary (Total Codes: 38, Included: 3)						
Code Name						
01 Duns (Dun & Bradstreet)						
08 UCC EDI Communications ID (Comm ID)						
12 Phone (Telephone Companies)						
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						
User Note 1: <i>D & H Production and Test ID's</i>						
7172557825 - Production						
7172557825T - Test						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		243337024 - Canada Production				
		243337024T - Canada Testing				
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				
		User Note 1: <i>Customer Qualifier</i>				
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				
		User Note 1: <i>Receiver(Customer) ID</i>				
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				
		CodeList Summary (Total Codes: 1, Included: 1)				
		Code Name				
		U U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
		CodeList Summary (Total Codes: 14, Included: 1)				
		Code Name				
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
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)				
		CodeList Summary (Total Codes: 2, Included: 1)				
		Code Name				
		0 No Acknowledgment Requested				
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				
		CodeList Summary (Total Codes: 3, Included: 2)				

Code Name

P Production Data

T Test Data

ISA16	I15	Component Element Separator	M	1/1	Must use
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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

User Note 1: USE ">" delimiter

D & H Notes:

Sample

ISA*00* *00* *12*7172557825 *Receive *160802*0717*U*00401*000012886*0*P*>

GS Functional Group Header

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

User Option (Usage): Must use

Purpose: 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>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
CodeList Summary (Total Codes: 240, Included: 1)						
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 identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
CodeList Summary (Total Codes: 2, Included: 2)						

Code Name

T Transportation Data Coordinating Committee (TDCC)
 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

CodeList Summary (Total Codes: 39, Included: 1)

Code Name

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

D & H Notes:

Sample

*GS*IB*7172557825*Receive*20160802*0717*12886*X*004010*

ST Transaction Set Header

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

User Option (Usage): Must use

Purpose: 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).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use				
Description: Code uniquely identifying a Transaction Set										
CodeList Summary (Total Codes: 298, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>846</td><td>Inventory Inquiry/Advice</td></tr></table>							<u>Code</u>	<u>Name</u>	846	Inventory Inquiry/Advice
<u>Code</u>	<u>Name</u>									
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										

D & H Notes:

Sample

ST*846*0001

BIA Beginning Segment for Inventory Inquiry/Advice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Purpose: 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.

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>
BIA01	353	Transaction Set Purpose Code	M	ID	2/2	Used
Description: Code identifying purpose of transaction set						
CodeList Summary (Total Codes: 65, Included: 1)						
<u>Code</u> <u>Name</u>						
00 Original						
BIA02	755	Report Type Code	M	ID	2/2	Used
Description: Code indicating the title or contents of a document, report or supporting item						
CodeList Summary (Total Codes: 522, Included: 1)						
<u>Code</u> <u>Name</u>						
DD Distributor Inventory Report						
BIA03	127	Reference Identification	M	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
BIA04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
BIA05	337	Time	O	TM	4/8	Used
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)						

D & H Notes:

Sample

*BIA*00*DS*0700*20160802*

REF Reference Identification

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

User Option (Usage): Used

Purpose: To specify identifying information

Semantics:

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

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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 1)

Code Name

IA Internal Vendor Number

REF02	127	Reference Identification	X	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

D & H Notes:

Sample

REF*IA*3920024

N1 Name

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

User Option (Usage): Must use

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

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.

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>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
CodeList Summary (Total Codes: 1312, Included: 2)						
Code Name						
DS Distributor						
WH Warehouse						
N102	93	Name	X	AN	1/60	Must use
Description: Free-form name						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
Description: Code designating the system/method of code structure used for Identification Code (67)						
CodeList Summary (Total Codes: 215, Included: 1)						
Code Name						
ZZ Mutually Defined						
N104	67	Identification Code	X	AN	2/80	Used
Description: Code identifying a party or other code						

D & H Notes:

Sample

*N1*DS*D&H Distributing*

N3 Address Information

Pos: 100	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

Purpose: 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>
N301	166	Address Information	M	AN	1/55	Must use

Description: Address information

D & H Notes:

Sample

*N3*Address*

N4 Geographic Location

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

User Option (Usage): Used

Purpose: 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.

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>
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)				

D & H Notes:

Sample

*N4*Harrisburg*PA*12345*

LIN Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 7

User Option (Usage): Must use

Purpose: To specify basic item identification data

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.

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>
LIN01	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 477, Included: 1)				
		Code Name				
		UP U.P.C. Consumer Package Code (1-5-5-1)				
LIN03	234	Product/Service ID	M	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN04	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 477, Included: 1)				
		Code Name				
		VP Vendor's (Seller's) Part Number				
LIN05	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN06	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeList Summary (Total Codes: 477, Included: 1)				
		Code Name				
		BP Buyer's Part Number				
LIN07	234	Product/Service ID	X	AN	1/48	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Identifying number for a product or service

D & H Notes:

Sample

*LIN**UP*00041333029863*VP*658736587436*BP*041333029863*

PID Product/Item Description

Pos: 030	Max: 200
Detail - Optional	
Loop: LIN	Elements: 3

User Option (Usage): Used

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

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.

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>				
PID01	349	Item Description Type	M	ID	1/1	Must use				
Description: Code indicating the format of a description										
CodeList Summary (Total Codes: 3, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>F</td><td>Free-form</td></tr></table>							<u>Code</u>	<u>Name</u>	F	Free-form
<u>Code</u>	<u>Name</u>									
F	Free-form									
PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used				
Description: Code identifying the general class of a product or process characteristic										
CodeList Summary (Total Codes: 218, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>08</td><td>Product</td></tr></table>							<u>Code</u>	<u>Name</u>	08	Product
<u>Code</u>	<u>Name</u>									
08	Product									
PID05	352	Description	X	AN	1/80	Must use				
Description: A free-form description to clarify the related data elements and their content										

D & H Notes:

Sample

*PID*F*08***Product Description*

SDQ Destination Quantity

Pos: 220	Max: 500
Detail - Optional	
Loop: LIN	Elements: 11

User Option (Usage): Used

Purpose: To specify destination and quantity detail

Semantics:

- SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

- SDQ02 is used only if different than previously defined in the transaction set.
- SDQ03 is the store number.
- SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

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>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 794, Included: 1)						
<u>Code</u> <u>Name</u>						
EA Each						
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
Description: Code designating the system/method of code structure used for Identification Code (67)						
CodeList Summary (Total Codes: 215, Included: 2)						
<u>Code</u> <u>Name</u>						
54 Warehouse						
91 Assigned by Seller or Seller's Agent						
SDQ03	67	Identification Code	M	AN	2/80	Must use
Description: Code identifying a party or other code						
SDQ04	380	Quantity	M	R	1/15	Must use
Description: Numeric value of quantity						
SDQ05	67	Identification Code	X	AN	2/80	Used
Description: Code identifying a party or other code						
SDQ06	380	Quantity	X	R	1/15	Used
Description: Numeric value of quantity						
SDQ07	67	Identification Code	X	AN	2/80	Used
Description: Code identifying a party or other code						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ23	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

D & H Notes:

sample

SDQ*EA*91*002*12*234*12*453*45*090*234*890*34*****

QTY Quantity

Pos: 320	Max: 1
Detail - Optional	
Loop: QTY	Elements: 3

User Option (Usage): Must use

Purpose: To specify quantity information

Semantics:

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

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>
QTY01	673	Quantity Qualifier	M	ID	2/2	Used
Description: Code specifying the type of quantity						
CodeList Summary (Total Codes: 832, Included: 1)						
<u>Code</u> <u>Name</u>						
33 Quantity Available for Sale (stock quantity)						
QTY02	380	Quantity	X	R	1/15	Must use
Description: Numeric value of quantity						
QTY03	C001	Composite Unit of Measure	O	Comp		Used
Description: To identify a composite unit of measure(See Figures Appendix for examples of use)						
QTY03-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 794, Included: 1)						
<u>Code</u> <u>Name</u>						
EA Each						

D & H Notes:

Sample

QTY*33*18*EA

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

D & H Notes:

Sample

*CTT*5502*

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Comments:

1. SE is the last segment of each 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>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
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
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

D & H Notes:

Sample

SE*56477*0004

GE Functional Group Trailer

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

User Option (Usage): Must use

Purpose: 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>
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						

D & H Notes:

Sample

*GE*1*4*

IEA Interchange Control Trailer

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	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						

D & H Notes:

Sample

IEA*1*000012886

D & H Notes Samples:

D&H Sample Set

```

ISA*00*      *00*      *12*7172557825  *Receive
*160802*0717*U*00401*000012886*0*P*>
GS*IB*7172557825*Receive*20160802*0717*12886*X*004010
ST*846*0001
BIA*00*DS*0700*20160802
REF*IA*XXXXXX
N1*DS*D&H Distributing
N3*Addresss
N4*City*StateCode*Zip
LIN**UP*0007325000001*VP*0270456467031*BP*455723541
PID*F*08*Item Description
SDQ*EA*91*002*12*234*12*453*45*090*234*890*34*****
QTY*33*6*EA
LIN**UP*0007325000002*VP*0270456467032*BP*455723542
PID*F*08*Item Description
SDQ*EA*91*002*12*234*12*453*45*090*234*890*34*****
QTY*33*0*EA
LIN**UP*0007325000003*VP*0270456467033*BP*455723543
PID*F*08*Item Description

```

SDQ*EA*91*002*12*234*12*453*45*090*234*890*34*****
QTY*33*18*EA
LIN**UP*0007325000004*VP*0270456467034*BP*455723544
PID*F*08*Item Description
SDQ*EA*91*002*12*234*12*453*45*090*234*890*34*****
QTY*33*36*EA
CTT*5502
SE*56477*0004
GE*1*4

IEA*1*000012886