



EDI Specifications

846 Inventory Inquiry/Advice

Version 1.2

Revision History

Version	Date	Revisions
Draft	4/12/2010	Draft document for review and comment
1.1	4/27/2011	Prep for Vendor publication
1.2	7/27/2011	Revised Examples

SPECIFICATIONS

Functional Group: IB

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			Mandatory
020	BIA	Beginning Segment	M	1			Mandatory
Loop ID – N1							
080	N1	Name	O	1	5		Used
100	N3	Address	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						
010	LIN	Item Identification	M	1	10000		Mandatory
320	QTY	Quantity	O	1	99		Used
LTD - QTY							
345	LTD	Lead Time	O	1	99		Used
Summary							
<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
020	SE	Transaction Set Trailer	M	1			Mandatory
Not Defined							
	GE	Functional Group Trailer	M	1			Mandatory

ST Transaction Set Header						
To Indicate the start of a transaction set and to assign a control number.					POS: 010	Max: 1
					Heading – Mandatory	
					Loop: N/A	Elements: 2
User Option:	Must Use					
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			
			All Valid codes are used.			
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.			
Semantics	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).					

BIA Beginning Segment for Inventory Inquiry Advice						
To Indicate the beginning of an Inventory Inquiry/Advice Transaction Set.					POS: 010	Max: 1
					Heading – Mandatory	
					Loop: N/A	Elements: 4
User Option:	Must Use					
Element Summary:						
<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Ma x</u>	<u>Usage</u>
BIA01	353	Transaction Set Purpose Code	M	ID	2/2	Must Use
		Description:	Code identifying purpose of transaction set.			
		Code:	Name:			
		00	Original			
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.			
		Code:	Name:			
		DD	Distributor Inventory Report			
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			
BIA04	373	Date	M	DT	8/8	Must Use
		Description:	Date expressed as CCYYMMDD			
Semantics:						
BIA03 identifies the number of inquiry/advice that is transferred.						
BIA04 identifies the date of the inquiry/advice that is transferred.						
BIA05 identifies the time of the inquiry/advice that is transferred.						

NI Address Information						
To identify a party by type of organization, name, and code					POS: 080	Repeat: 5
					Optional	
					Loop: N1	Elements: 4
Loop Summary:						
<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
080	N1	Name	O	1		Used
100	N3	Address Information	O	2		Used
110	M4	Geographic Location	O	1		Used

LIN Item Identification

To specify basic item identification data.	POS: 010	Max: 1
	Detail- Mandatory	
	Loop: N/A	Elements: 3

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Reg</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN 01	350	Assigned Identification	O	AN	1/20	Used
		Description:	Alphanumeric characters assigned for differentiation with a transaction set.			
LIN 02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		Description:	Code identifying the type/source of the descriptive number used in the Product/Service ID (234)			
		Code	Name			
		MG	Manufacturer's part number			
LIN 03	234	Product/Service ID	M	AN	1/48	Must use
		Description:	Identifying number for a product or service			
LIN 04	235	Product/Service ID Qualifier	M	ID	2/2	Optional
		Description:	Code identifying the type/source of the descriptive number used in the Product/Service ID (234)			
		Code	Name			
		BP	Buyer's part number			
LIN 05	234	Product/Service ID	M	AN	1/48	Must use
		Description:	Identifying number for a product or service			

Syntax Rules:

P0405 - If either LIN04 or LIN05 is present, then the other is required.

LIN 04 – 05 are optional, but are preferred.

Loop QTY and LTD						
To specify quantity information.					POS: 320	Repeat: 99
					Optional	
					Loop: QTY	Elements: 1
Loop Summary:						
<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
320	QTY	Quantity	0	1		Used

QTY Quantity							
To specify quantity information.				POS: 320		Max: 1	
				Detail – Optional			
				Loop: QTY		Elements: 2	
Element Summary:							
<u>Req</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	
QTY 01	673	Quantity Qualifier	M	ID	2/2	Must Use	
		Description:	Code specifying the type of quantity				
		Code	Name				
		17	Quantity on Hand				
		27	Committed Quantity				
		63	On Order Quantity				
		76	Returns				
		IQ	In-Transit Quantity				
QTY 02	380	Quantity	X	R	1/15	Used	
		Description:	Numeric value of quantity				
Syntax Rules:							
R0204 - At least one of QTY02 or QTY04 is required.							
E0204 - Only one of QTY02 or QTY04 may be present.							
Semantics:							
QTY04 is used when the quantity is non-numeric							

LTD Lead Time							
To specify quantity information.				POS: 320		Max: 1	
				Detail – Optional			
				Loop: QTY		Elements: 2	
Element Summary:							
<u>Req</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	
LTD 01	345	Lead Time Code	M	ID	2/2	Must Use	
		Description:	Code Specifying the type of quantity				
		Code	Name				
		AE	From date of PO receipt to shipment				
LTD 02	380	Quantity	X	R	1/15	used	
		Description:	Numeric Lead time days				
LTD 03	344	Lead Time Code	M	ID	2/2	Must Use	
		Code	Name				
		HR	Cutoff time for shipment				
LTD 04	375	Quantity	X	R	D/T	Used	
		Description:	Date time				
Syntax Rules:							
R0204 - At least one of LTD02 or LTD 04 is required.							
Semantics:							
LDT04 is the effective time of lead time information. Format 24 HR HH:MM Used for the cutoff time for shipments							

SE Transaction Set Trailer							
To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)				POS: 020		Max: 1	
				Summary – Mandatory			
				Loop: N/A		Elements: 2	
Element Summary:							
<u>Req</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	
SE 01	96	Number of included segments	M	N0	1/10	Must Use	
		Description:	Total number of segments included in the transaction set including the ST and SE segments				
SE 02	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				
Comments:							
SE is the last segment of each Transaction Set.							

GE Functional Group Trailer						
To indicate the end of a functional group and to provide control information				POS:		Max: 1
				Not		
				Loop: N/A		Elements: 2
Element Summary:						
<u>Req</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			
GE 02	28	Group Control number	M	AN	1/9	Must use
		Description:	Assigned number originated and maintained by the sender			
Semantics						
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						
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.						

Example

ST*846*1979~
BIA*00*CM*10353*20040811~
N1*ST*EMS PLANT E88 *92*SAN003~
N1*SE*XYZ Corporation*92*XYZ001~
LIN*1*BP*46055~
QTY*17*5~
LTD*AE*5*HR*15:00~
LIN*2*BP*45055~
QTY*17*100~
LTD*AE*3*HR*15:00~
SE*9*1979~