

Inventory Availability Advice

Amazon.com Drop Ship Specifications

Author:

Enterprise Integration

846

Inventory Inquiry/Advice

Functional Group=IB

Overview:

The Inventory Availability Advice (846) is used so vendors can keep Amazon updated of their current stock levels.

This message consists of the vendor warehouse code, item id, and quantity. Item ID's will vary by vendor and will be agreed upon before beginning the implementation process (SKU, UPC, ASIN, etc.). It is important to note that whichever item type is sent in this 846 will be used throughout the entire order life cycle (850, 855, 856, 810).

A Full Inventory Availability Advice should be sent at least once daily with Incrementals sent every 15 minutes thereafter. If a vendor is unable to send Incremental feeds, full feeds can be sent every 15 minutes.

Terminators/Delimiters are as follows:

Terminator = '~'
 Delimiter = '^'
 Sub-Delimiter = '+'

There will be one ST/SE per 846. Each ISA/IEA should contain only one GS/GE.

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>
	ISA	Interchange Control Header	M	1		
	GS	Functional Group Header	M	1		

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
050	DTM	Date/Time Reference	O	10		

<u>LOOP ID - N1</u>					<u>Repeat</u>	<u>Notes</u>
080	N1	Name	M	1	5	

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>LOOP ID - LIN</u>					<u>10000</u>	
010	LIN	Item Identification	M	1		
100	DTM	Date/Time Reference	O	10		
220	SDQ	Destination Quantity	M	500		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	CTT	Transaction Totals	O	1		N3/010
020	SE	Transaction Set Trailer	M	1		

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>
	GE	Functional Group Trailer	M	1		
	IEA	Interchange Control Trailer	M	1		

ISA Interchange Control Header

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA01	I01	Authorization Information Qualifier Usage Notes: Always '00' International Usage: Always '00'	M	ID	2/2
		Code Name 00 No Authorization Information Present (No Meaningful Information in I02)			
ISA02	I02	Authorization Information Usage Notes: Always 10 blank spaces. International Usage: Always 10 blank spaces.	M	AN	10/10
ISA03	I03	Security Information Qualifier Usage Notes: Always '00' International Usage: Always '00'	M	ID	2/2
		Code Name 00 No Security Information Present (No Meaningful Information in I04)			
ISA04	I04	Security Information Usage Notes: Always 10 blank spaces International Usage: Always 10 blank spaces	M	AN	10/10
ISA05	I05	Interchange ID Qualifier Usage Notes: Vendor Qualifier International Usage: Vendor Qualifier All valid standard codes are used.	M	ID	2/2
ISA06	I06	Interchange Sender ID Usage Notes: Vendor ID Internal: Vendor ID	M	AN	15/15
ISA07	I05	Interchange ID Qualifier Usage Notes: Always 'ZZ' International Usage: Always 'ZZ'	M	ID	2/2
		Code Name ZZ Mutually Defined			
ISA08	I07	Interchange Receiver ID Usage Notes: Always 'AMAZONDS' International Usage: Always 'AMAZONDS'	M	AN	15/15
ISA09	I08	Interchange Date Usage Notes: Interchange Date Format: YYMMDD International Usage: Interchange Date Format: YYMMDD	M	DT	6/6
ISA10	I09	Interchange Time Usage Notes: Interchange Time Format: HHMM International Usage: Interchange Time Format: HHMM	M	TM	4/4
ISA11	I10	Interchange Control Standards Identifier Usage Notes: Always 'U' International Usage: Always 'U' All valid standard codes are used.	M	ID	1/1
ISA12	I11	Interchange Control Version Number Usage Notes: Always '00401'	M	ID	5/5

International Usage: Always '00401'

<u>Code</u>	<u>Name</u>
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
Usage Notes: <i>Interchange Control Number assigned by sender</i>					
International Usage: <i>Interchange Control Number assigned by sender</i>					

ISA14	I13	Acknowledgment Requested	M	ID	1/1
Usage Notes: Always '1'					
International Usage: Always '1'					

<u>Code</u>	<u>Name</u>
1	Interchange Acknowledgment Requested

ISA15	I14	Usage Indicator	M	ID	1/1
Usage Notes: Use 'P' for production					
Use 'T' for test					

<u>Code</u>	<u>Name</u>
P	Production Data
T	Test Data

ISA16	I15	Component Element Separator	M		1/1
Usage Notes: Always '+'					
International Usage: Always '+'					

GS**Functional Group Header**

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	Functional Identifier Code <i>Usage Notes: Always 'IB'</i> <i>International Usage: Always 'IB'</i>	M	ID	2/2
		Code Name IB Inventory Inquiry/Advice (846)			
GS02	142	Application Sender's Code <i>Usage Notes: Vendor's ID #</i> <i>International Usage: Vendor's ID #</i>	M	AN	2/15
GS03	124	Application Receiver's Code <i>Usage Notes: Always 'AMAZONDS'</i> <i>International Usage: Always 'AMAZONDS'</i>	M	AN	2/15
GS04	373	Date <i>Usage Notes: Date expressed as CCYYMMDD</i> <i>International Usage: Date</i> <i>Format: CCYYMMDD</i>	M	DT	8/8
GS05	337	Time <i>Usage Notes: Time</i> <i>Format: HHMM</i> <i>International Usage: Time</i> <i>Format: HHMM</i>	M	TM	4/8
GS06	28	Group Control Number <i>Usage Notes: Group Control Number assigned by sender</i> <i>International Usage: Group Control Number assigned by sender</i>	M	N0	1/9
GS07	455	Responsible Agency Code <i>Usage Notes: Always 'X'</i> <i>International Usage: Always 'X'</i>	M	ID	1/2
		Code Name X Accredited Standards Committee X12			
GS08	480	Version / Release / Industry Identifier Code <i>Usage Notes: Always '004010'</i> <i>International Usage: Always '004010'</i>	M	AN	1/12
		Code Name 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997			

ST Transaction Set Header

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
ST01	143	Transaction Set Identifier Code Usage Notes: Always '846' International Usage: Always '846'	M	ID	3/3				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>846</td> <td>Inventory Inquiry/Advice</td> </tr> </tbody> </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 Usage Notes: Set Control Number assigned by sender International Usage: Set Control Number assigned by sender	M	AN	4/9				

BIA Beginning Segment for Inventory Inquiry/Advice

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
BIA01	353	Transaction Set Purpose Code Usage Notes: Use '00' for Full Inventory Availability Feeds. Use '25' for the Incremental Change Availability Feeds. International Usage: Use '00' for Full Inventory Availability Feeds. Use '25' for the Incremental Change Availability Feeds.	M	ID	2/2						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> <tr> <td>25</td> <td>Incremental</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	00	Original	25	Incremental			
<u>Code</u>	<u>Name</u>										
00	Original										
25	Incremental										
BIA02	755	Report Type Code Usage Notes: Always 'DD'	M	ID	2/2						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DD</td> <td>Distributor Inventory Report</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	DD	Distributor Inventory Report					
<u>Code</u>	<u>Name</u>										
DD	Distributor Inventory Report										
BIA03	127	Reference Identification Usage Notes: Unique Sequential Reference number for this Inventory Feed, assigned by sender International Usage: Unique Sequential Reference number for this Inventory Feed, assigned by sender	M	AN	1/30						
BIA04	373	Date Usage Notes: Date Format: CCYYMMDD International Usage: Date Format: CCYYMMDD	M	DT	8/8						
BIA05	337	Time Usage Notes: Time Format: HHMM International Usage: Time Format: HHMM	O	TM	4/8						

DTM Date/Time Reference

Pos: 050	Max: 10
Heading - Optional	
Loop: N/A	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
DTM01	374	Date/Time Qualifier Usage Notes: Always '166' This field is required International Usage: Always '166' This field is required	M	ID	3/3				
DTM02	373	<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>166</td> <td>Message</td> </tr> </tbody> </table> Date Usage Notes: Message Date Format: CCYYMMDD This field is required. International Usage: Message Date Format: CCYYMMDD This field is required.	<u>Code</u>	<u>Name</u>	166	Message	M	DT	8/8
<u>Code</u>	<u>Name</u>								
166	Message								
DTM03	337	Time Usage Notes: Message Time Format: HHMMSS International Usage: Message Time Format: HHMMSS This field is required.	O	TM	4/8				
DTM04	623	Time Code Usage Notes: Always 'GM' International Usage: Always 'GM' <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GM</td> <td>Greenwich Mean Time</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GM	Greenwich Mean Time	O	ID	2/2
<u>Code</u>	<u>Name</u>								
GM	Greenwich Mean Time								

N1

Name

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
N101	98	Entity Identifier Code Usage Notes: Always 'ZZ' International Usage: Always 'ZZ' <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	ZZ	Mutually Defined	M	ID	2/3
<u>Code</u>	<u>Name</u>								
ZZ	Mutually Defined								
N102	93	Name Usage Notes: This will be the Amazon code representing the warehouse that the order should ship from. This is usually a four character alpha code (e.g. ABCD) This field is required International Usage: This will be the Amazon code representing the warehouse that the order should ship from. This is usually a four character alpha code (e.g. ABCD) This field is required	M	AN	1/60				
N103	66	Identification Code Qualifier Usage Notes: Always '92' International Usage: Always '92' <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent	M	ID	1/2
<u>Code</u>	<u>Name</u>								
92	Assigned by Buyer or Buyer's Agent								
N104	67	Identification Code Usage Notes: This will be the Amazon code representing the warehouse that the order should ship from. This is usually a four character alpha code (e.g. ABCD) This field is required Internal: <VendorWarehouse> International Usage: This will be the Amazon code representing the warehouse that the order should ship from. This is usually a four character alpha code (e.g. ABCD) This field is required	M	AN	2/80				

LIN Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 3

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
LIN01	350	<p>Assigned Identification Usage Notes: <i>Line Item ID</i></p> <p><i>This should be a sequential number for each LIN loop sent. (e.g. 1, 2, 3, etc)</i></p> <p><i>This field is required.</i> International Usage: <i>Line Item ID</i></p> <p><i>This should be a sequential number for each LIN loop sent. (e.g. 1, 2, 3, etc)</i></p> <p><i>This field is required.</i></p>	M	AN	1/20						
LIN02	235	<p>Product/Service ID Qualifier Usage Notes: <i>Use 'DP' for any items that have been discontinued.</i></p> <p><i>Use 'SK' for all valid item numbers.</i></p>	M	ID	2/2						
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DP</td> <td>Discontinued Part Number</td> </tr> <tr> <td>SK</td> <td>Stock Keeping Unit (SKU)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	DP	Discontinued Part Number	SK	Stock Keeping Unit (SKU)			
<u>Code</u>	<u>Name</u>										
DP	Discontinued Part Number										
SK	Stock Keeping Unit (SKU)										
LIN03	234	<p>Product/Service ID Usage Notes: <i>Item Number</i></p> <p><i>Note: Item ID's will vary by vendor and will be agreed upon before beginning the implementation process (SKU, UPC, ASIN, etc.) Whichever item type is sent in this 846 will be used throughout the entire order life cycle.</i></p> <p><i>This field is required.</i> Internal: <i><ItemSKU></i> International Usage: <i>Item Number</i></p> <p><i>Note: Item ID's will vary by vendor and will be agreed upon before beginning the implementation process (SKU, UPC, ASIN, etc.) Whichever item type is sent in this 846 will be used throughout the entire order life cycle.</i></p> <p><i>This field is required.</i></p>	M	AN	1/48						

DTM Date/Time Reference

Pos: 100	Max: 10
Detail - Optional	
Loop: LIN	Elements: 4

Usage Notes:

****THIS SEGMENT IS ONLY USED IF THE AVAILABLE DATE OF THE ITEM IS IN THE FUTURE (BACKORDER). PLEASE NOTE THAT BACKORDER IS CURRENTLY OUT OF SCOPE FOR THE DROPSHIP IMPLEMENTATION.****

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
DTM01	374	Date/Time Qualifier Usage Notes: Always '018' <i>This field is required when the DTM segment is used.</i> International Usage: Always '018' <i>This field is required when the DTM segment is used.</i>	M	ID	3/3				
DTM02	373	<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>018</td> <td>Available</td> </tr> </tbody> </table> Date Usage Notes: Availability Date <i>Format: CCYYMMDD</i> <i>This field is required when the DTM segment is used.</i> International Usage: Availability Date <i>Format: CCYYMMDD</i> <i>This field is required when the DTM segment is used.</i>	<u>Code</u>	<u>Name</u>	018	Available	X	DT	8/8
<u>Code</u>	<u>Name</u>								
018	Available								
DTM03	337	Time Usage Notes: Availability Time <i>Format: HHMM</i> International Usage: Availability Time <i>Format: HHMM</i>	X	TM	4/8				
DTM04	623	Time Code Usage Notes: Always "GM" International Usage: Always "GM" <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GM</td> <td>Greenwich Mean Time</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GM	Greenwich Mean Time	O	ID	2/2
<u>Code</u>	<u>Name</u>								
GM	Greenwich Mean Time								

SDQ Destination Quantity

Pos: 220	Max: 500
Detail - Mandatory	
Loop: LIN	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
SDQ01	355	Unit or Basis for Measurement Code Usage Notes: Always 'EA' International Usage: Always 'EA' <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EA	Each	M	ID	2/2
<u>Code</u>	<u>Name</u>								
EA	Each								
SDQ02	66	Identification Code Qualifier Usage Notes: Always '92' International Usage: Always '92' <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent	M	ID	1/2
<u>Code</u>	<u>Name</u>								
92	Assigned by Buyer or Buyer's Agent								
SDQ03	67	Identification Code Usage Notes: This will be the Amazon code representing the warehouse that the order should ship from. This is usually a four character alpha code (e.g. ABCD) This field is required International Usage: This will be the Amazon code representing the warehouse that the order should ship from. This is usually a four character alpha code (e.g. ABCD) This field is required	M	AN	2/80				
SDQ04	380	Quantity Usage Notes: Availably Quantity If an item is out of stock, send "0", do not leave blank Quantity not to exceed 999,999. If a quantity exceeds this amount we will default to 999,999 until the quantity drops below that amount. This field is required. Internal: <QtyAvailable> International Usage: Availably Quantity If an item is out of stock, send "0", do not leave blank Quantity not to exceed 999,999. If a quantity exceeds this amount we will default to 999,999 until the quantity drops below that amount. This field is required.	M	R	1/15				

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items Usage Notes: <i>Total number of line items</i> International Usage: <i>Total number of line items</i>	M	N0	1/6
CTT02	347	Hash Total Usage Notes: <i>Total number of units in the transaction set</i> International Usage: <i>Total number of units in the transaction set</i>	O	R	1/10

SE Transaction Set Trailer

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9
Usage Notes: <i>Sames as ST02.</i>					

GE Functional Group Trailer

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6
GE02	28	Group Control Number	M	N0	1/9
Usage Notes: <i>Same as GS06</i>					

IEA

Interchange Control Trailer

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5
IEA02	I12	Interchange Control Number	M	N0	9/9
Usage Notes: <i>Same as ISA13</i>					