



LogicBroker

EDI 846

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Summary

ASC X12 004010

846 - Inventory Inquiry/Advice

This document contains the details of LogicBroker's use of EDI 846 messages.

Sample 846 Message

```
ST*846*002040001~  
BIA*00*MB*846110128*20110128~  
REF*VR*<VR>~  
LIN*1*SK*PDATMG1*UP*029521842166~  
DTM*128*20110131~  
CTP*DI*CON*11.66~  
SDQ*EA*54*AVAIL*144*ONBK*48~  
LIN*2*SK*PDATMBL11*UP*029521842142~  
CTP*DI*CON*11.76~  
SDQ*EA*54*AVAIL*8~  
...  
LIN*786*SK*CB0002*UP*029521557626~  
CTP*DI*CON*9.72~  
SDQ*EA*54*AVAIL*36~  
CTT*786~  
SE*2667*002040001~
```



Message 846 Specs

0010	ST Transaction Set Header	M	1
0020	BIA Beginning Segment for Inventory Inquiry	M	1
0050	REF Reference Identification	O	>1

LOOP ID - LIN

0010	LIN Item Identification	M	1
0100	DTM Date/Time Reference	O	10
0110	CTP Pricing Information	O	25
0220	SDQ Destination Quantity	O	500

←

0010	CTI Transaction Totals	O	1
0030	SE Transaction Set Trailer	M	1

Notes:

0100 DTM used only for items on backorder.



Segment Details

ST Transaction Set Header

To indicate the start of a transaction set and to assign a control number

01	143	Transaction Set Identifier Code	M	ID	3/3
02	329	Transaction Set Control Number	M	AN	4/9

Semantic Notes

01 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).



143 Transaction Set Identifier Code

TYPE=**ID** MIN=**3** MAX=**3**

Code uniquely identifying a Transaction Set

846 Inventory Inquiry/Advice

329 Transaction Set Control Number

TYPE=**AN** MIN=**4** MAX=**9**

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set



BIA Beginning Segment for Inventory Inquiry/Advice

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

01	353	Transaction Set Purpose Code	M	ID 2/2
02	755	Report Type Code	M	ID 2/2
03	127	Reference Identification	M	AN 1/30
04	373	Date	M	DT 8/8

Semantic Notes

- 03 BIA03 identifies the number of the inquiry/advice that is transferred.
- 04 BIA04 identifies the date of the inquiry/advice that is transferred.



353 Transaction Set Purpose Code

TYPE=**ID** MIN=**2** MAX=**2**

Code identifying purpose of transaction set

00	Original
01	Cancellation
02	Add
03	Delete
04	Change
05	Replace
06	Confirmation
07	Duplicate
08	Status
10	Not Found
11	Response
12	Not Processed
13	Request
14	Advance Notification
15	Re-Submission
16	Proposed
17	Cancel, to be Reissued
18	Reissue
19	Seller initiated change
20	Final Transmission
21	Transaction on Hold
22	Information Copy
24	Draft
25	Incremental
26	Replace - Specified Buyers Parts Only
27	Verify
28	Query
30	Renewal
31	Allowance/Addition
32	Recovery/Deduction
33	Request for Payment
34	Payment Declined
35	Request Authority
36	Authority to Deduct (Reply)
37	Authority Declined (Reply)
38	No Financial Value
39	Response to Proposed Trip Plan
40	Commitment Advice
41	Corrected and Verified



- 42 Temporary Record
- 43 Request Permission to Service
- 44 Rejection
- 45 Follow-up
- 46 Cancellation with Refund
- 47 Transfer
- 48 Suspended
- 49 Original - No Response Necessary
- 50 Register
- 51 Historical Inquiry
- 52 Response to Historical Inquiry
- 53 Completion
- 54 Approval
- 55 Excavation
- 56 Expiration Notification
- 5C Chargeable Resubmission
- 77 Simulation Exercise
- CN Completion Notification
- CO Corrected
- EX Final Loading Configuration
- GR Granted
- PR Proposed Loading Configuration
- RH Release Hold
- RV Revised Loading Configuration
- SU Status Update
- ZZ Mutually Defined

755 Report Type Code

TYPE=**ID** MIN=**2** MAX=**2**

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

MB Manufacturer/Distributor Inventory Report



127 Reference Identification

TYPE=**AN** MIN=**1** MAX=**30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

373 Date

TYPE=**DT** MIN=**8** MAX=**8**

Date expressed as CCYYMMDD



REF Reference Identification

To specify identifying information

01 [128](#) Reference Identification Qualifier
02 [127](#) Reference Identification

M ID 2/3
C AN 1/30



128 Reference Identification Qualifier

TYPE=**ID** MIN=**2** MAX=**3**

Code qualifying the Reference Identification

VR Vendor ID Number

127 Reference Identification

TYPE=**AN** MIN=**1** MAX=**30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier



LIN Item Identification

To specify basic item identification data

01	350	Assigned Identification	O	AN	1/20
02	235	Product/Service ID Qualifier	M	ID	2/2
03	234	Product/Service ID	M	AN	1/48
04	235	Product/Service ID Qualifier	C	ID	2/2
05	234	Product/Service ID	C	AN	1/48

Semantic Notes

01 LIN01 is the line item identification

Comments

00 See the Data Dictionary for a complete list of IDs.

02 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.



350 Assigned Identification

TYPE=**AN** MIN=**1** MAX=**20**

Alphanumeric characters assigned for differentiation within a transaction set

235 Product/Service ID Qualifier

TYPE=**ID** MIN=**2** MAX=**2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

SK Stock Keeping Unit (SKU)

234 Product/Service ID

TYPE=**AN** MIN=**1** MAX=**48**

Identifying number for a product or service

235 Product/Service ID Qualifier

TYPE=**ID** MIN=**2** MAX=**2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

UP U.P.C. Consumer Package Code (1-5-5-1)



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234 Product/Service ID

TYPE=AN MIN=1 MAX=48

Identifying number for a product or service



DTM Date/Time Reference

To specify pertinent dates and times

01	374	Date/Time Qualifier	M	ID 3/3
02	373	Date	C	DT 8/8

Notes:

0100 DTM used only for items on backorder.



374 Date/Time Qualifier

TYPE=**ID** MIN=**3** MAX=**3**

Code specifying type of date or time, or both date and time

128 Replacement Effective

373 Date

TYPE=**DT** MIN=**8** MAX=**8**

Date expressed as CCYYMMDD



CTP Pricing Information

To specify pricing information

01	687	Class of Trade Code	O	ID 2/2
02	236	Price Identifier Code	C	ID 3/3
03	212	Unit Price	C	R 1/17



687 Class of Trade Code

TYPE=**ID** MIN=**2** MAX=**2**

Code indicating class of trade

AA	Branches
AB	Members
AC	Commercial Enterprises
AD	Special Trades
AG	Agent
AI	Importer
AP	Purchaser
AS	Seller
BG	Buying Group
BR	Broker
CB	Combined
CN	Consolidator (Master Distributor)
CO	Contractor
CR	Chain Store Retail
CX	Confection
CY	Convenience Store
DE	Dealer
DF	Doctors' Offices
DI	Distributor
DR	Drug Store
EX	Exporter
FS	Food Service
GA	Grocery Accounts
GM	General Merchandise
GR	General Retail
GV	Government
HS	Hospitals
ID	Industrial
IN	Institutional
IR	Independent Retail
JB	Jobber
LC	Long-term Care
MC	Managed Care
MF	Manufacturer
ML	Military
OE	OEM
OF	Off Premise
ON	On Premise
PF	Professional
PH	Outpatient Pharmacy
PT	Pet Supply Store
PY	Private Label



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RS	Resale
SA	Services
SB	Support
SE	Securities
ST	Stationer
TR	General Trade
WA	Warehousing
WC	Warehouse Clubs
WH	Wholesaler
WS	User

236 Price Identifier Code

TYPE=**ID** MIN=**3** MAX=**3**

Code identifying pricing specification

CON Contract Price

212 Unit Price

TYPE=**R** MIN=**1** MAX=**17**

Price per unit of product, service, commodity, etc.



SDQ Destination Quantity

To specify destination and quantity detail

01	355	Unit or Basis for Measurement Code	M	ID	2/2
02	66	Identification Code Qualifier	O	ID	1/2
03	67	Identification Code	M	AN	2/80
04	380	Quantity	M	R	1/15
05	67	Identification Code	C	AN	2/80
06	380	Quantity	C	R	1/15

Comments

- 02 SDQ02 is used only if different than previously defined in the transaction set.
- 03 SDQ03 is the store number.
- 05 Used only for items on backorder
- 06 Used only for items on backorder.



355 Unit or Basis for Measurement Code

TYPE=**ID** MIN=**2** MAX=**2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

EA Each

66 Identification Code Qualifier

TYPE=**ID** MIN=**1** MAX=**2**

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

54 Warehouse

67 Identification Code

TYPE=**AN** MIN=**2** MAX=**80**

Code identifying a party or other code

AVAIL Quantity Available



380 Quantity

TYPE=**R** MIN=**1** MAX=**15**

Numeric value of quantity

67 Identification Code

TYPE=**AN** MIN=**2** MAX=**80**

Code identifying a party or other code

ONBK Quantity On Backorder

380 Quantity

TYPE=**R** MIN=**1** MAX=**15**

Numeric value of quantity



CTT Transaction Totals

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

01 [354](#) Number of Line Items M NO 1/6

Comments

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

01 Number of line items (CTT01) is the accumulation of number of LIN segments.



354 Number of Line Items

TYPE=**N0** MIN=**1** MAX=**6**

Total number of line items in the transaction set

Number of line items (CTT01) is the accumulation of number of LIN segments.



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)

01	96	Number of Included Segments	M	NO	1/10
02	329	Transaction Set Control Number	M	AN	4/9

Comments

00 SE is the last segment of each transaction set.



96 Number of Included Segments

TYPE=**N0** MIN=**1** MAX=**10**

Total number of segments included in a transaction set including ST and SE segments

329 Transaction Set Control Number

TYPE=**AN** MIN=**4** MAX=**9**

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set



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