

Integration Specification

X12 5010 846

Inventory Advice



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.



Table of Contents

EDI Segment Hierarchy	3
ISA Interchange Control Header	4
GS Functional Group Header	5
ST Transaction Set Header	6
BIA Beginning Segment for Inventory Inquiry/Advice	7
REF Reference Identification	8
LIN Item Identification	9
PID Product Description	10
CTP Pricing Information	11
QTY Quantity	12
CTT Transaction Totals	13
SE Transaction Set Trailer	14
GE Functional Group Trailer	15
IEA Interchange Control Trailer	16
846 Sample	17



EDI Segment Hierarchy

ID	Segment Name	Req	Max Use	Usage
ISA	Interchange Control Header	M	1	Must Use
GS	Functional Group Header	M	1	Must Use

Transaction Set Header

ID	Segment Name	Req	Max Use	Usage
ST	Transaction Set Header	M	1	Must Use
BIA	Beginning Segment for Inventory Advice	M	1	Must Use
REF	Reference Identification	O	1	Optional

LIN Loop

ID	Segment Name	Req	Max Use	Usage
LIN	Item Identification	M	5000	Must Use
CTP	Pricing Information	O	5000	Optional
PID	Product Description	O	5000	Optional

QTY Loop

ID	Segment Name	Req	Max Use	Usage
QTY	Quantity	M	5000	Must Use

Transactions Summary

ID	Segment Name	Req	Max Use	Usage
CTT	Transaction Totals	M	1	Must Use
SE	Transaction Set Trailer	M	1	Must Use
GE	Functional Group Trailer	M	1	Must Use
IEA	Interchange Control Trailer	M	1	Must Use



ISA Interchange Control Header

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

ID	Segment Name	Req	Type	Max Use	Usage
ISA01	Authorization Information Qualifier	M	ID	2/2	Must Use
ISA02	Authorization Information	M	AN	10/10	Must Use
ISA03	Security Information Qualifier	M	ID	2/2	Must Use
ISA04	Security Information	M	AN	10/10	Must Use
ISA05	Interchange ID Qualifier	M	ID	2/2	Must Use
ISA06	Interchange Sender ID	M	AN	15/15	Must Use
ISA07	Interchange ID Qualifier	M	ID	2/2	Must Use
ISA08	Interchange Receiver ID	M	AN	15/15	Must Use
ISA09	Interchange Date 'YYMMDD'	M	DT	6/6	Must Use
ISA10	Interchange Time 'HHMM'	M	TM	4/4	Must Use
ISA11	Interchange Control Standards Identifier 'U'	M	ID	1/1	Must Use
ISA12	Interchange Control Version Number '00501'	M	ID	5/5	Must Use
ISA13	Interchange Control Number	M	N0	9/9	Must Use
ISA14	Acknowledgment Requested '0'	M	ID	1/1	Must Use
ISA15	Interchange Usage Indicator 'P' or 'T'	M	ID	1/1	Must Use
ISA16	Component Element Separator ':'	M	ID	1/1	Must Use



GS Functional Group Header

User Option (Usage): Must use.

Purpose: To indicate the beginning of a functional group and provide control information.

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
GS01	Functional Identifier Code 'IB'	M	ID	2/2	Must Use
GS02	Application Senders Code	M	AN	2/15	Must Use
GS03	Application Receivers Code	M	AN	2/15	Must Use
GS04	Date 'CCYYMMDD'	M	DT	8/8	Must Use
GS05	Time 'HHMMSS'	M	TM	4/8	Must Use
GS06	Group Control Number	M	N0	1/9	Must Use
GS07	Responsible Agency Code 'X'	M	ID	1/2	Must Use
GS08	Version / Release / Industry Identifier '005010'	M	AN	1/12	Must Use



ST Transaction Set Header

User Option (Usage): Must use.

Purpose: To indicate the start of a transaction set and assign a control number.

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
ST01	Transaction Set Identifier Code '846'	M	ID	3/3	Must Use
ST02	Transaction Set Control Number	M	AN	4/9	Must Use



BIA Beginning Segment for Inventory Advice

User Option (Usage): Must use.

Purpose: To indicate the beginning of the Inventory Advice Transaction Set

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
BIA01	Transaction Set Purpose Code '00'	M	ID	2/2	Must Use
BIA02	Shipment Identification 'DD' or 'SI'	M	ID	2/2	Must Use
BIA03	Reference Identification	M	AN	1/30	Must Use
BIA04	Date 'YYYYMMDD	M	DT	8/8	Must Use

Syntax Rules:

1. BIA01 - Default to code '00' (Original)
2. BIA02 - Default to code 'DD' (Distributor Inventory Report) or 'SI' (Seller Inventory Report)



REF Reference Identification

User Option (Usage): Optional.

Purpose: To specify trading partner identifying information

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
REF01	Reference Identification Qualifier 'IA'	O	ID	2/2	Optional
REF02	Reference Identification	O	AN	1/5	Optional

Semantics:

1. REF01 – Defaulted to 'IA' (Internal Vendor ID Number)
2. REF02 – Unique code identifier (GOVX Assigned)
 - a. Reach out to integration.support@govx.com to obtain this ID



LIN Item Identification

User Option (Usage): Must use.

Purpose: To specify basic item identification data

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
LIN02	Product/Service Qualifier 'VN'	M	ID	2/2	Must Use
LIN03	Manufacturer Part Number	M	AN	1/48	Must Use
LIN04	Product/Service Qualifier 'UP'	M	ID	2/2	Must Use
LIN05	UPC Number	M	ID	1/48	Must Use



PID Product Description

User Option (Usage): Optional

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

ID	Segment Name	Req	Type	Max Use	Usage
PID01	Item Description Type 'F'	O	ID	1/1	Optional
PID02	Product /Process Characteristic Code '08'	O	AN	2/3	Optional
PID05	Product Description	O	AN	1/80	Optional



CTP Pricing Information

User Option (Usage): Optional.

Purpose: To specify pricing information

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
CTP01	Class of Trade Code 'AS'	O	ID	2/2	Optional
CTP02	Class of Trade Code 'WHL'	O	ID	3/3	Optional
CTP03	Unit Price	O	R	1/17	Optional



QTY Quantity

User Option (Usage): Must use.

Purpose: To specify quantity information

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
QTY01	Quantity Qualifier '33'	M	ID	2/2	Must Use
QTY02	Quantity	M	R	1/15	Must Use
QTY03	Composite Unit of Measure 'EA'	M	ID	2/2	Must Use



CTT Transaction Totals

User Option (Usage): Must use.

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

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
CTT01	Number of Line Items	M	N0	1/6	Must Use

Semantics:

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



SE Transaction Set Trailer

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)

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
SE01	Number of Included Segments	M	N0	1/10	Must Use
SE02	Transaction Set Control Number	M	AN	4/9	Must Use

Syntax Rules

1. SE02 – The value for SE02 must be identical to the value in ST02



GE Functional Group Trailer

User Option (Usage): Must use.

Purpose: To indicate the end of a functional group and to provide control information

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
GE01	Number of Transaction Sets Included	M	N0	1/6	Must Use
GE02	Group Control Number	M	N0	1/9	Must Use

Syntax Rules

1. GE02 – The value for GE02 must be identical to the value in GS06



IEA Interchange Control Trailer

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

ID	Segment Name	Req	Type	Max Use	Usage
IEA01	Number of Transaction Sets Included	M	N0	1/5	Must Use
IEA02	Interchange Control Number	M	N0	9/9	Must Use



846 Sample

ISA*00* *00* *ZZ*SENDERID *12*8582247800/801
*201213*1329*|*00501*100001577*0*P*:
GS*IB*SENDERID*8582247800/801*20231213*1329*000002577*X*005010
ST*846*2577
BIA*00*SI*121323*20231213
REF*IA*TST01
LIN**VN*1005733*UP*763332055116
PID*F*08***Example - Add product description and size
CTP*AS*WHL*5.55
QTY*33*50*EA
LIN**VN*1005658*UP*763332054362
PID*F*08***Black Holster
QTY*33*0*EA
CTT*2
SE*12*2577
GE*1*000002577
IEA*1*100001577

