



# EDI

## 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.





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### 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
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 '005001'	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](mailto: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
LIN04	UPC Number	M	ID	1/48	Must Use





# PID Product Description

**User Option (Usage):** Optional

**Purpose:** To describe a product or process in 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





# 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\*TESTID \*12\*8582247800 \*231213\*1329\*|\*00501\*100001577\*0\*P\*}~  
GS\*IB\*TESTID\*8582247800\*20231213\*1329\*2577\*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 ~  
QTY\*33\*50\*EA~  
LIN\*\*VN\*1005658\*UP\*763332054362~  
PID\*F\*08\*\*\*Black Holster~  
QTY\*33\*0\*EA~  
CTT\*2~  
SE\*16\*2577~  
GE\*1\*2577~  
IEA\*1\*100001577~

