



SANMINA CORPORATION

TRADITIONAL INVENTORY INQUIRY/ADVICE OUTBOUND

846

VERSION

004010

Prepared By: Sanmina Information Technology & Services
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Version: 2

846 Inventory Inquiry/Advice

Functional Group ID=**IB**

Introduction:

This standard 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.

Notes:

From Sanmina to Supplier

Heading:

Pos.	Seg.			X12	Sanmina		
Loop	Notes and						
No.	ID	Name	Req.	Required	Max.Use	Repeat	Comments
010	ST	Transaction Set Header	M	M	1		
020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	M	1		
050	DTM	Date/Time Reference	O	M	10		
		LOOP ID - N1				2	
080	N1	Name	O	M	1		

Detail:

Pos.	Seg.			X12	Sanmina		
Loop	Notes and						
No.	ID	Name	Req.	Required	Max.Use	Repeat	Comments
		LOOP ID - LIN				10000	
010	LIN	Item Identification	M	M	1		
		LOOP ID - QTY				1	
320	QTY	Quantity	O	M	1		
330	UIT	Unit Detail	O	M	12		

Summary:

Pos.	Seg.			X12	Sanmina		
Loop	Notes and						
No.	ID	Name	Req.	Required	Max.Use	Repeat	Comments
010	CTT	Transaction Totals	O	M	1		N1
020	SE	Transaction Set Trailer	M	M	1		

Transaction Set Notes

- Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

Available characters: A-Z, a-z, 0-9, ., -, +, {, }, [,], 9, 0, :, ;, %, |, <, >, !, ", \$, ~, ^, &, #, =, |, @

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
X12 Usage: Mandatory
Sanmina Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 846 Inventory Inquiry/Advice - Buyer Initiated	ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	AN 4/9

ST~846~1979}

Segment: **BIA** Beginning Segment for Inventory Inquiry/Advice
Position: 020
Loop:
Level: Heading
X12 Usage: Mandatory
Sanmina Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an Inventory Inquiry/Advice Transaction Set
Syntax Notes:
Semantic Notes:

- 1 BIA03 identifies the number of the inquiry/advice that is transferred.
- 2 BIA04 identifies the date of the inquiry/advice that is transferred.

Comments:**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BIA01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	ID 2/2
Must Use	BIA02	755	Report Type Code Code indicating the title or contents of a document, report or supporting item. LC Location Inventory Report	ID 2/2
Must Use	BIA03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. Unique number assigned by sender.	AN 1/30
Must Use	BIA04	373	Date Date expressed as CCYYMMDD Date 846 Transaction created.	DT 8/8

BIA~00~LC~10353~20190811~}

Segment: **DTM** Date/Time Reference
Position: 100
Loop: LIN
Level: Heading
X12 Usage: Optional
Sanmina Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 or DTM03 is required.
- 2 If DTM04 is present, then DTM03 is required.

Semantic Notes:
Comments:

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 007 Effective date and time of when the inventory balances were read from the system	ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD	DT 8/8
Must Use	DTM03	337	Time Time expressed as HHMMSS	TM 4/8
Must Use	DTM04	623	Time code Code specifying time. GM Greenwich Mean Time	ID 2/2

DTM~007~20190814~~063135~GM}

Segment: **N1** Name
Position: 080
Loop: N1
Level: Heading
X12 Usage: Optional
Sanmina Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Please use the following URL to find a complete list of ship to codes that may be used by Sanmina:
<https://www.sanmina.com/partners/partner-programs/>

Scroll and look for PDF document "Ship to Address Codes".

Data Element Summary

Sanmina Required	Ref. Desc.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location. ST Ship to SE Selling Party	ID 2/3
Must Use	N102	93	Name Free-form Name	AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent.	ID 1/2
Must Use	N104	67	Identification Code Code Identifying a Party or Other Code. Sanmina's location code when N101 is ST. Sanmina's supplier code when N101 is SE.	AN 2/80

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N1~ST~EMS PLANT E88 ~92~12255}
N1~SE~XYZ Corporation~92~XYZ001}

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Segment: **LIN** Item Identification
Position: 010
Loop: LIN
Level: Detail
X12 Usage: Mandatory
Sanmina Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.

Semantic Notes:

- 1 LIN01 is the line item identification

Comments:

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN07 provides for different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. Line number.	AN 1/20
Must Use	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	ID 2/2
Must Use	LIN03	234	Product/Service ID Identifying number for a product or service Sanmina's Part number	AN 1/48
Must Use	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MF Manufacturer	ID 2/2
Must Use	LIN05	234	Product/Service ID Identifying number for a product or service Manufacturer Name	AN 1/48
Must Use	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MG Manufacturer's Part Number	ID 2/2
Must Use	LIN07	234	Product/Service ID Identifying number for a product or service Manufacturer's Part Number	AN 1/48

LIN~1~BP~LFSYS465055~MF~XYZ Corporation~MG~1234MD3232 }

Segment: **QTY** Quantity
Position: 320
Loop: QTY
Level: Detail
X12 Usage: Optional
Sanmina Usage: Mandatory
Max Use: >1
Purpose: To specify quantity information
Syntax Notes:

Semantic Notes:
Comments:

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity 34 Ending Inventory Balance	ID 2/2
Must Use	QTY02	380	Quantity Numeric value of quantity	R 1/15

QTY~34~525 }

Segment: **UIT** Unit Detail
Position: 020
Loop: LIN
Level: Detail
X12 Usage: Optional
Sanmina Usage: Mandatory
Max Use: 1
Purpose: To specify item unit data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	UIT01	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	
		355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	ID 2/2

UIT~EA }

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
X12 Usage: Optional
Sanmina Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:

Semantic Notes:

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

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items Total number of line items in the transaction set Number of LIN segments in this transaction set.	N0 1/6

CTT~1 }

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
X12 Usage: Mandatory
Sanmina Usage: Mandatory
Max Use: 1
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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	AN 4/9

SE~17~1979}

Example: 846 Inventory Inquiry/Advice

ISA~00~ ~00~ ~ 01~SANMINACORP ~01~322341109
~190811~0014~ ~00401~000001979~0~P~>}
GS~OB~SANMINACORP~322341109~20190811~0014~1979~X~004010}
ST~846~1979}
BIA~00~LC~10353~20190811}
DTM~007~20190811~063135~GM}
N1~ST~EMS PLANT E88~92~12255}
N1~SE~XYZ Corporation~92~XYZ001}
LIN~1~BP~LFSYS465055~MF~XYZ Corporation~MG~1234MD3232}
QTY~34~525}
UIT~EA}
CTT~1
SE~10~1979}
GE~1~1979}
IEA~1~000001979}