

856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest

Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

The following document identifies the NEXCOM business requirements for the Ship Notice/Manifest. This definition contains all data that NEXCOM will utilize in the processing this document. All segments marked "MANDATORY", are required by NEXCOM and should always be transmitted.

All segments marked "OPTIONAL" may be transmitted as necessary in their respective segments.

For each level in the hierarchical structure, the following segments are expected by NEXCOM:

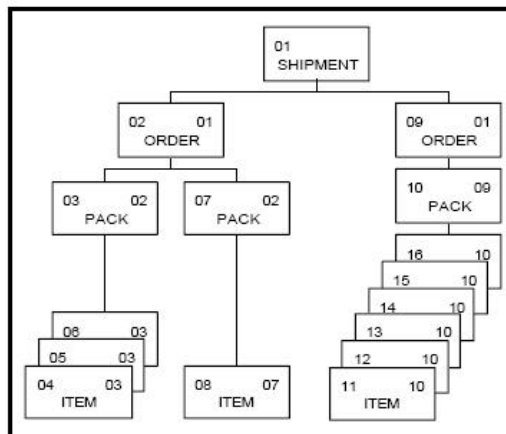
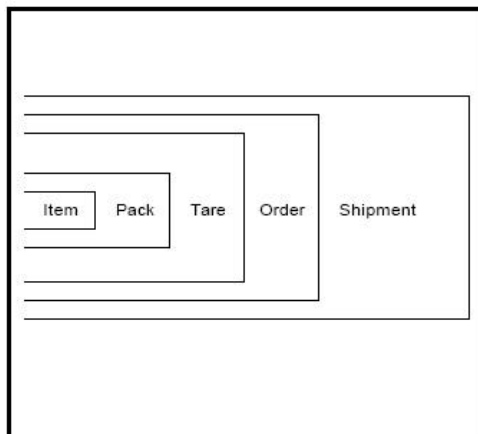
- S Shipment.....TD1, TD5, REF, DTM, N1
- O Order..... PRF, TD1, REF, N1 (BY)
- P Pack.....MAN
- I Item.....LIN, SN1

REQUIRED STRUCTURE

The following diagrams detail the structure required in this document. Failure to adhere to this structure will cause the 856 data to be incompatible with Receiving applications; therefore, this structure is considered mandatory.

The following example depicts the detail area of the Ship Notice/Manifest transaction for use within the retail industry.

Each box represents one hierarchical level and associated data segments detailed in this explanation. Required hierarchical levels are represented.



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Segment: ISA - INTERCHANGE CONTROL HEADER

Level: ENVELOPE

Loop: Max Use: 1

Usage: MANDATORY

PURPOSE: To start and identify an interchange of one or more functional groups.

Seg Desc	Data Element Name	Attributes	NEXCOM Required	
			M*/O*	Codes/Values
ISA01	Authorization Information Qualifier	ID 2/2	M	00
ISA02	Authorization Information	AN 10/10	M	Ten blank positions.
ISA03	Security Information Qualifier	ID 2/2	M	00
ISA04	Security Information	AN 10/10	M	Ten blank positions.
ISA05	Interchange ID Qualifier	ID 2/2	M	08 for Production./ ZZ for test
ISA06	Interchange Sender ID	AN 15/15	M	9252671859 for Production/ NEXCOM for test
ISA07	Interchange ID Qualifier	ID 2/2	M	Vendor's ID qualifier.
ISA08	Interchange Receiver Id	AN 15/15	M	Vendor's ID.
ISA09	Interchange Date	DT 6/6	M	YYMMDD
ISA10	Interchange Time	TM 4/4	M	HHMM
ISA11	Interchange Control Standards Identifier	ID 1/1	M	U = ACS X12.
ISA12	Interchange Control Version Number	ID 5/5	M	00401
ISA13	Interchange Control Number	N 9/9	M	Sequential Number.
ISA14	Acknowledgment Requested	ID1/1	M	0
ISA15	Test Indicator	ID 1/1	M	P for Production/. T for Testing
ISA16	Sub-element Separator	M 1/1	M	>

Segment: GS - FUNCTIONAL GROUP HEADER

Level: GROUP

Loop Max Use: 1

Usage: MANDATORY

PURPOSE: To start and identify a functional group of related transaction sets and provide control and application identification information.

Seg Desc	Data Element Name	Attributes	NEXCOM Required	
			M*/O*	Codes/Values
GS01	Functional Identifier Code	ID 2/2	M	SH- Ship Notice
GS02	Application Sender's Code	AN 2/15	M	9252671859 for Production. NEXCOM for Testing.
GS03	Application Receiver's Code	AN 2/15	M	Vendor Id number
GS04	Date	DT 8/8	M	CCYYMMDD.
GS05	Time	TM 4/8	M	HHMM.
GS06	Group Control Number	N 1/9	M	Sequential Number.
GS07	Responsible Agency Code	ID 1/2	M	X - X12
GS08	Version/Release/Industry Identifier Code	AN 1/12	M	004010VICS

M*-=Mandatory for application, O=Optional

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Segment: ST - TRANSACTION SET HEADER

Level: HEADER

Loop: Max Use: 1

Usage: MANDATORY

PURPOSE: To indicate the start of a purchase order transaction set and to assign a control number.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
ST01	Transaction ID	ID 3/3	M	856
ST02	Control Number	AN 4/9	M	Sequential Number.

Segment: BSN - BEGINNING SEGMENT FOR SHIP NOTICE Level: HEADER

Loop: Max Use: 1

Usage: MANDATORY

PURPOSE: To transmit identifying numbers, dates and other basic data relating to the transaction set

Comments: BSN04 is the time the shipment transaction set is created.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
BSN01	Transaction Set Purpose Code	ID 2/2	M	00 - Original
BSN02	Shipment Identification	AN 2/30	M	
BSN03	Date	DT 8/8	M	CCYYMMDD
BSN04	Time	TM 4/8	M	HHMMSS
BSN05	Hierarchical Structure Code	ID 4/4	M	0001 Shipment, Order, Packaging, Item

Segment: HL- HIERARCHICAL LEVEL

Level: DETAIL - (Shipment)

Loop: HL Max Use: 1

Usage: MANDATORY

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments

Comments: The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line item data.

HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example,

HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

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Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
HL01	Hierarchical Id Number	AN 1/12	M	
HL03	Hierarchical Level Code	ID 1/2	M	S- Shipment

Segment: TD1- CARRIER DETAILS (QUANTITY AND WEIGHT)

Level: DETAIL (Shipment)

Loop: HL

Max Use: 1

Usage: MANDATORY

"PURPOSE: To specify the transportation details relative to commodity, weight and quantity"

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
TD101	Packaging Code	AN 3/5	M	
TD102	Lading Quantity	N 1/7	M	
TD106	Weight Qualifier	ID 1/2	M	G - Gross Weight
TD107	Weight	R 1/10	M	
TD108	Unit or Basis for Measurement	ID 2/2	M	

Segment: TD5- CARRIER DETAILS (Routing Sequence/Transit Time)

Level: DETAIL (Shipment)

Loop: HL

Max Use: 1

Usage: Mandatory

PURPOSE: To specify the carrier and sequence of routing and provide transit time

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
TD502	Identification Code Qualifier	ID 1/2	O	2 - SCAC code to follow
TD503	Identification Code	AN 2/80	M	SCAC code
TD504	Transportation Method Code	ID 1/2	O	
TD505	Routing	AN 1/35	M	Free Form description

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Segment: REF- REFERENCE IDENTIFICATION

Level: DETAIL (Shipment)

Loop: HL

Max Use: 1

Usage: Mandatory

PURPOSE: To specify identifying information

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
REF01	Reference Identification Qualifier	ID 2/3	M	BM – for Bill of Lading Qualifier P8 -for Parcel carrier tracking number (This is only used for Parcel Carrier Shipments. This data can be either the Master Pick up number or one of the Carton Id numbers)
REF02	Reference Identification	AN 1/30	M	Bill of Lading number or tracking # (Small package carrier)

Segment: DTM - DATE/TIME REFERENCE

Loop: HL

Max Use: 1

Level: DETAIL (Shipment)

Usage: MANDATORY

PURPOSE: To specify pertinent dates and times.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM required Codes/Values
DTM01	Date/Time Qualifier	ID 3/3	M	011 - Date Shipped
DTM02	Date	DT 8/8	M	CCYYMMDD

Segment: DTM - DATE/TIME REFERENCE

Loop: HL

Max Use: 1

Level: DETAIL (Shipment)

Usage: MANDATORY

PURPOSE: To specify pertinent dates and times.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
DTM01	Date/Time Qualifier	ID 3/3	M	067 – Scheduled Delivery
DTM02	Date	DT 8/8	M	CCYYMMDD

M*-=Mandatory for application, O=Optional

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Segment: N1 - NAME

Loop: HL/ N1

Max Use: 1

Level: DETAIL (Shipment)

Usage: MANDATORY

PURPOSE: To identify a party by type of organization, name and code.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
N101	Entity Identifier Code	ID 2/3	M	ST -Ship To
N102	Name	AN 1/60	M	Ship To Name
N103	Identification Code Qualifier	ID 1/2	M	92
N104	Identification Code	AN 2/80	M	Ship To Location

Segment: N2 - ADDITIONAL NAME INFORMATION

Level: DETAIL (Shipment)

Loop: HL/N1

Max Use: 2

Usage: OPTIONAL

PURPOSE: To specify additional names or those longer than 35 characters in length.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
N201	Name	AN 1/60	O	

Segment: N3 - ADDRESS INFORMATION

Loop: HL/N1

Max Use: 2

Level: DETAIL (Shipment)

Usage: OPTIONAL

PURPOSE: To specify the location of the named party.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
N301	Address Information		O	

Segment: N4 - GEOGRAPHIC LOCATION

Loop: HL/N1

Max Use: 1

Level: DETAIL (Shipment)

Usage: OPTIONAL

PURPOSE: To specify the geographic place of the named party.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
N401	City Name	AN 2/30	O	
N402	State or Province Code	ID 2/2	O	
N403	Postal Code	ID 3/15	O	

M*-=Mandatory for application, O=Optional

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Segment: HL- HIERARCHICAL LEVEL

Level: DETAIL - (Order)

Loop: HL

Max Use: 1

Usage: MANDATORY

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments

Comments: The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line item data. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Seg Desc	Data Element Name	Attributes	M*/0*	NEXCOM Required Codes/Values
HL01	Hierarchical Id Number	AN 1/12	M	
HL03	Hierarchical Level Code	ID 1/2	M	O - Order

Segment: PRF - PURCHASE ORDER REFERENCE

Level: DETAIL - (Order)

Loop: HL

Max Use: 1

Usage: MANDATORY

PURPOSE: To provide reference to a specific purchase order

Seg Desc	Data Element Name	Attributes	M*/0*	NEXCOM Required Codes/Values
PRF01	Purchase Order Number	AN 1/22	M	Purchase Order Number
PRF04	Date	DT 8/8	M	Expressed as CCYYMMDD

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Segment: N1 - NAME

Level: DETAIL (Order)

Loop: HL/ N1

Max Use: 1

Usage: Conditional – Required for Cross Dock orders (850 contains SDQ)

PURPOSE: To identify a party by type of organization, name and code.

Seg Desc	Data Element Name	Attributes	M*/0*	NEXCOM Required Codes/Values
N101	Entity Identifier Code	ID 2/3	M	BY – Buying Party
N102	Name	AN 1/60	M	Name
N103	Identification Code Qualifier	ID 1/2	M	92
N104	Identification Code	AN 2/80	M	Location Code

Segment: HL- HIERARCHICAL LEVEL

Level: DETAIL - (Pack/Tare)

Loop: HL

Max Use: 1

Usage: MANDATORY

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments

Comments: The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line item data.

HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example,

HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Seg Desc	Data Element Name	Attributes	M*/0*	NEXCOM Required Codes/Values
HL01	Hierarchical Id Number	AN 1/12	M	
HL03	Hierarchical Level Code	ID 1/2	M	P – Pack or T- Tare (No mixed sku's on pallets)

Segment: MAN - MARKS AND NUMBERS

Level: DETAIL (Pack)

M*-=Mandatory for application, O=Optional

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Loop: HL

Max Use: 1

Usage: MANDATORY

PURPOSE: To indicate identifying marks and numbers for shipping containers.

Seg Desc	Data Element Name	Attributes	M*/0*	NEXCOM Required Codes/Values
MAN01	Marks and Numbers Qualifier	ID 1/2	M	GM
MAN02	Marks and Numbers	AN 1/48	M	Container Number

Segment: HL- HIERARCHICAL LEVEL

Level: DETAIL - (Item)

Loop: HL

Max Use: 1

Usage: MANDATORY

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments

Comments: The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line item data. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
HL01	Hierarchical Id Number	AN 1/12	M	
HL03	Hierarchical Level Code	ID 1/2	M	I - Item

Segment: LIN - ITEM IDENTIFICATION LEVEL

Level: DETAIL - (Item)

Loop: HL

Max Use: 1

Usage: MANDATORY

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments

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Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
LIN02	Product / Service ID Qualifier	ID 2/2	M	UP or EN or UK
LIN03	Product / Service ID	AN 1/48	M	UPC Code
LIN04	Product / Service ID Qualifier	ID 2/2	M	
LIN05	Product / Service ID	AN 1/48	M	Vendor Style

Segment: SN1 - ITEM DETAIL - (Shipment)

Level: DETAIL- (Item)

Loop: HL

Max Use: 1

Usage: MANDATORY

PURPOSE: To identify dependencies among and the content of hierarchically related groups of data segments

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
SN102	Number of Units Shipped	R 1/10	M	
SN103	Unit or Basis for Measurement Code	ID 2/2	M	eg EA

Segment: CTT - TRANSACTION TOTALS

Level: SUMMARY

Loop: HL/N1

Max Use: 1

Usage: OPTIONAL

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

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
CTT01	Number of Line Items	N 1/6	O	

Segment: SE - TRANSACTION SET TRAILER

Level: SUMMARY

Loop: HL/N1

Max Use: 1

Usage: MANDATORY

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)

Seg Desc	Data Element Name	Attributes	M*/O*	NEXCOM Required Codes/Values
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M*-=Mandatory for application, O=Optional

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SE01	Number of Included Segments	N 1/10	M
SE02	Transaction Set Control Number	AN 4/9	M

Segment: GE - FUNCTIONAL GROUP TRAILER

Loop: Max Use: 1

Level: SUMMARY

Usage: MANDATORY

PURPOSE: To define the end of a functional group of related transaction sets.

Seg				NEXCOM Required
Desc	Data Element Name	Attributes	M*/O*	Codes/Values
GE01	Number of Transaction Sets Included	N 1/6	M	Total Number of Transaction Sets
GE02	Group Control Number	N 1/9	M	Sequential Number, same as GS06

Segment: IEA - INTERCHANGE CONTROL TRAILER

Loop: Max Use: 1

Level: ENVELOPE

Usage: MANDATORY

PURPOSE: To define the end of an interchange of one or more functional groups and related control.

Seg				NEXCOM Required
Desc	Data Element Name	Attributes	M*/O*	Codes/Values
IEA01	Number of Included Functional Groups	N 1/5	M	
IEA02	Interchange Control Number	N 9/9	M	Same as ISA 13