



858 Shipment Information

X12/V4010/858 : 858 Shipment Information

Version: 4.0 Draft

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Notes:	

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858 Shipment Information

Functional Group=SI

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment Information Transaction Set (858) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the sender with the capability to transmit detailed bill-of-lading, rating, and/or scheduling information pertinent to a shipment.

This transaction set can also be used to exchange Government Bills of Lading (GBLs), Commercial Bills of Lading (CBLs), Transportation Control and Movement Documents (TCMDs), and Personal Property Government Bills of Lading (PPGBLs). It may be used by the U.S. Civilian Government, U.S. Department of Defense, and any of their trading partners to exchange information about the shipment of freight, household goods, and passengers. This transaction set fulfills information requirements established by U.S. Government transportation movement rules and regulations.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
030	BX	General Shipment Information	M	1		N1/030	Must use
060	N9	Reference Identification	M	30			Must use
110	G62	Date/Time	M	10			Must use
175	R3	Route Information - Motor	M	13			Must use
LOOP ID - N1					12		
390	N1	Name	M	1			Must use
410	N3	Address Information	O	2			Used
420	N4	Geographic Location	O	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - HL					>1		
010	HL	Hierarchical Level	M	1			Must use
LOOP ID - L0					20		
145	L0	Line Item - Quantity and Weight	M	1			Must use

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	L3	Total Weight and Charges	M	1			Must use
020	SE	Transaction Set Trailer	M	1			Must use

Notes:

1/030 BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 298, Included: 1)

Code Name

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ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. 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).

BX General Shipment Information

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

Purpose: To transmit identification numbers and other basic shipment data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BX01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code List Summary (Total Codes: 65, Included: 1)

<u>Code</u>	<u>Name</u>
00	Original

BX02	91	Transportation Method/Type Code	M	ID	1/2	Must use
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Description: Code specifying the method or type of transportation for the shipment

Code List Summary (Total Codes: 71, Included: 1)

<u>Code</u>	<u>Name</u>
X	Intermodal (Piggyback)

BX03	146	Shipment Method of Payment	M	ID	2/2	Must use
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Description: Code identifying payment terms for transportation charges

Code List Summary (Total Codes: 28, Included: 1)

<u>Code</u>	<u>Name</u>
PP	Prepaid (by Seller)

BX04	145	Shipment Identification Number	O	AN	1/30	Must use
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Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

User Note 1: Burlington Stores sends the Planning Number (WMS Load number) from the Burlington Stores Warehouse Management

System (Manhattan Associates WMS) in this BX04 field.

BX05	140	Standard Carrier Alpha Code	O	ID	2/4	Must use
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Description: Standard Carrier Alpha Code

BX06	188	Weight Unit Code	O	ID	1/1	Must use
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Description: Code specifying the weight unit

Code List Summary (Total Codes: 8, Included: 1)

<u>Code</u>	<u>Name</u>
L	Pounds

N9 Reference Identification

Pos: 060	Max: 30
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 3)

Code Name

- 4C Shipment Destination Code
- CN Carrier's Reference Number (PRO/Invoice)
- RU Route Number

N902	127	Reference Identification	X	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

G62 Date/Time

Pos: 110	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	Date Qualifier	X	ID	2/2	Must use

Description: Code specifying type of date

Code List Summary (Total Codes: 137, Included: 1)

Code Name

10 Requested Ship Date/Pick-up Date

G6202	373	Date	X	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R0103 - At least one of G6201 or G6203 is required.
2. P0102 - If either G6201 or G6202 is present, then the other is required.
3. P0304 - If either G6203 or G6204 is present, then the other is required.

R3 Route Information - Motor

Pos: 175	Max: 13
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: To specify carrier and routing sequences and details

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R301	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
Description: Standard Carrier Alpha Code						
R302	133	Routing Sequence Code	M	ID	1/2	Must use
Description: Code describing the relationship of a carrier to a specific shipment movement						
Code List Summary (Total Codes: 23, Included: 1)						
Code Name						
B Origin/Delivery Carrier (Any Mode)						
R309	369	Free-form Description	O	AN	1/45	Must use
Description: Free-form descriptive text						

Syntax Rules:

1. C1110 - If R311 is present, then R310 is required.
2. C1211 - If R312 is present, then R311 is required.

Semantics:

1. R303 is the station or city name at which carriers interchange shipments
2. R307 is the carrier's billing date.
3. R308 is the amount due the carrier.

Loop Name

Pos: 390	Repeat: 12
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
390	N1	Name	M	1		Must use
410	N3	Address Information	O	2		Used
420	N4	Geographic Location	O	1		Used

N1 Name

Pos: 390	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Code List Summary (Total Codes: 1312, Included: 4)

<u>Code</u>	<u>Name</u>
BY	Buying Party (Purchaser)
SE	Selling Party
SF	Ship From
ST	Ship To

N102	93	Name	X	AN	1/60	Must use
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Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Must use
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Description: Code designating the system/method of code structure used for Identification Code (67)

Code List Summary (Total Codes: 215, Included: 3)

<u>Code</u>	<u>Name</u>
92	Assigned by Buyer or Buyer's Agent
FA	Facility Identification
SV	Service Provider Number

N104	67	Identification Code	X	AN	2/80	Must use
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Description: Code identifying a party or other code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

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.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

Pos: 410	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

Purpose: To specify the location of the named party

User Note 1:

N3 & N4 Segments are required when the N101 field is "SF" and "ST".

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use

Description: Address information

N4 Geographic Location

Pos: 420	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

User Note 1:

N3 & N4 Segments are required when the N101 field is "SF" and "ST".

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Must use
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

Loop Hierarchical Level

Pos: 010	Repeat: >1
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL	Hierarchical Level	M	1		Must use
145		Loop L0	M		20	Must use

HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
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Description: Code defining the characteristic of a level in a hierarchical structure

Code List Summary (Total Codes: 170, Included: 1)

Code Name

9 Line Detail

Comments:

1. 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.
2. The HL segment defines a top-down/left-right ordered structure.
3. 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.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. 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.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Loop Line Item - Quantity and Weight

Pos: 145	Repeat: 20
Mandatory	
Loop: L0	Elements: N/A

User Option (Usage): Must use

Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
145	L0	Line Item - Quantity and Weight	M	1		Must use

L0 Line Item - Quantity and Weight

Pos: 145	Max: 1
Detail - Mandatory	
Loop: L0	Elements: 7

User Option (Usage): Must use

Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L001	213	Lading Line Item Number	O	N0	1/3	Must use
Description: Sequential line number for a lading item						
L002	220	Billed/Rated-as Quantity	X	R	1/11	Must use
Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81						
L003	221	Billed/Rated-as Qualifier	X	ID	2/2	Must use
Description: Code identifying the type of quantity or value on which the rate or item pricing is based						
Code List Summary (Total Codes: 47, Included: 1)						
Code Name						
LB Pound						
L004	81	Weight	X	R	1/10	Must use
Description: Numeric value of weight						
L005	187	Weight Qualifier	X	ID	1/2	Must use
Description: Code defining the type of weight						
Code List Summary (Total Codes: 51, Included: 1)						
Code Name						
FR Freight Weight						
L008	80	Lading Quantity	X	N0	1/7	Must use
Description: Number of units (pieces) of the lading commodity						
L009	211	Packaging Form Code	X	ID	3/3	Must use
Description: Code for packaging form of the lading quantity						
Code List Summary (Total Codes: 134, Included: 1)						
Code Name						
CTN Carton						

Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.

6. P1315 - If either L013 or L015 is present, then the other is required.

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

Comments:

1. L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L301	81	Weight	X	R	1/10	Must use
		Description: Numeric value of weight				
L302	187	Weight Qualifier	X	ID	1/2	Must use
		Description: Code defining the type of weight				
		Code List Summary (Total Codes: 51, Included: 1)				
		Code Name				
		FR				Freight Weight

Syntax Rules:

1. P0102 - If either L301 or L302 is present, then the other is required.
2. P0304 - If either L303 or L304 is present, then the other is required.
3. P0910 - If either L309 or L310 is present, then the other is required.
4. C1201 - If L312 is present, then L301 is required.
5. P1415 - If either L314 or L315 is present, then the other is required.

Semantics:

1. L305 is the total charges.

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

1. SE is the last segment of each transaction set.