

## 857 Shipment and Billing Notice

FUNCTIONAL GROUP=BS

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment and Billing Notice Transaction Set (857) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides the recipient of a shipment with data for both receipt planning and payment generation.

EDI and telecommunications technologies suggest efficiencies in the way business data is processed. For example, the sender of a shipment may send the recipient's receiving function a Ship Notice/Manifest (856), and the payables function an Invoice (810), even though the contents of these two documents may be largely redundant. In certain business environments, the Shipment and Billing Notice permits the consolidation of these two documents into one.

Specifically, this transaction set is appropriate where the shipment data, when it includes terms and item prices, can be used both to plan receipts and to generate payment. In this environment, the exact prices for the items shipped may not be known in advance by both parties. This transaction set is not appropriate in so-called Evaluated Receipts Settlement (ERS) environments, in which the exact prices for the items shipped have been agreed upon by, and are known to, both parties in advance.

This transaction set is not to be used to replace the Ship Notice/Manifest (856) or Invoice (810) individually, but only to replace both, together. For example, do not use this transaction set in place of a Ship Notice/Manifest while continuing to send either paper or electronic invoice.

		Header					
NOTE	POS.	TAG	NAME	STATUS	REPEAT	LOOP REPEAT	
C	010	ST	Transaction Set Header	M	1		
N	020	BHT	Beginning of Hierarchical Transaction	M	1		
		<b>GROUP HL</b>			M		>1
N	030	HL	Hierarchical Level	M	1		
		<b>GROUP BS1</b>			O		1
N	040	G05	Total Shipment Information	M	1		
	050	TD1	Carrier Details (Quantity and Weight)	O	5		
	060	TD3	Carrier Details (Equipment)	O	5		
	070	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
	080	TD5	Carrier Details (Routing Sequence/Transit Time)	O	10		
	090	FOB	F.O.B. Related Instructions	O	1		
	100	DTM	Date/Time Reference	O	5		
	110	N9	Reference Identification	O	20		
	120	PER	Administrative Communications Contact	O	5		
	130	CUR	Currency	O	1		
		<b>GROUP N1</b>			O		10
	140	N1	Name	M	1		
	150	N2	Additional Name Information	O	2		
	160	N3	Address Information	O	2		
	170	N4	Geographic Location	O	1		
		<b>GROUP LM</b>			O		>1
	175	LM	Code Source Information	M	1		
	176	LQ	Industry Code	M	>1		

NOTE	POS.	TAG	NAME	STATUS	REPEAT	LOOP REPEAT
			<b>GROUP BS2</b>	O		1
N	180	TDS	Total Monetary Value Summary	M	1	
	190	PRF	Purchase Order Reference	O	1	
	200	N9	Reference Identification	O	>1	
	210	DTM	Date/Time Reference	O	10	
	220	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
	230	TXI	Tax Information	O	10	
	235	SN1	Item Detail (Shipment)	O	1	
	237	ISS	Invoice Shipment Summary	O	1	
			<b>GROUP SAC</b>	O		25
	240	SAC	Service, Promotion, Allowance, or Charge Information	M	1	
	250	TXI	Tax Information	O	10	
			<b>GROUP N1</b>	O		10
	260	N1	Name	M	1	
	270	N2	Additional Name Information	O	2	
	280	N3	Address Information	O	2	
	290	N4	Geographic Location	O	1	
			<b>GROUP FA1</b>	O		>1
	294	FA1	Type of Financial Accounting Data	M	1	
	295	FA2	Accounting Data	M	>1	
			<b>GROUP BS3</b>	O		1
N	300	PAL	Pallet Information	M	1	
	305	SN1	Item Detail (Shipment)	O	1	
	310	MAN	Marks and Numbers	O	10	
			<b>GROUP BS4</b>	O		1
N	320	LX	Assigned Number	M	1	
	325	N9	Reference Identification	O	15	
	328	SN1	Item Detail (Shipment)	O	1	
	330	PO4	Item Physical Details	O	1	
	340	MEA	Measurements	O	10	
	350	PKG	Marking, Packaging, Loading	O	10	
	360	MAN	Marks and Numbers	O	10	
			<b>GROUP BS5</b>	O		1
N	370	IT1	Baseline Item Data (Invoice)	M	1	
	380	IT3	Additional Item Data	O	1	
	390	PO4	Item Physical Details	O	1	
	395	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1	
	400	TC2	Commodity	O	5	
	410	TXI	Tax Information	O	10	
	420	CTP	Pricing Information	O	10	
	430	N9	Reference Identification	O	10	
	440	MEA	Measurements	O	10	
	445	DTM	Date/Time Reference	O	10	
	446	ITD	Terms of Sale/Deferred Terms of Sale	O	>1	
			<b>GROUP PID</b>	O		25
	450	PID	Product/Item Description	M	1	
	460	MEA	Measurements	O	10	
			<b>GROUP SLN</b>	O		1000
	470	SLN	Subline Item Detail	M	1	
	480	PID	Product/Item Description	O	25	
			<b>GROUP SAC</b>	O		25
	490	SAC	Service, Promotion, Allowance, or Charge Information	M	1	
	500	TXI	Tax Information	O	10	
			<b>GROUP LM</b>	O		>1
	505	LM	Code Source Information	M	1	
	506	LQ	Industry Code	M	>1	
			<b>GROUP FA1</b>	O		>1

NOTE	POS.	TAG	NAME	STATUS	REPEAT	LOOP REPEAT
507		FA1	Type of Financial Accounting Data	M	1	
508		FA2	Accounting Data	M	>1	
510		SE	Transaction Set Trailer	M	1	

**NOTES**

- 1/020 BHT01, Hierarchical Structure Code, may only contain the code values 0001, 0002, and 0003.
- 1/020 When BHT01, the Hierarchical Structure Code, contains a value of 0001, the levels of the transaction set are Shipment, Order, Tare (pallet), Pack (carton), Subpack, and Item. The levels, when used, must always appear (in the transmission) in the above order, e.g., the tare level cannot be subordinate to the item level; however, the pack level may be omitted.
- 1/020 When BHT01, the Hierarchical Structure Code, contains a value of 0002, the levels of the transaction set are Shipment, Order, Item, Tare (pallet), Pack (carton), and Subpack. The levels, when used, must always appear (in the transmission) in the above order, e.g., the tare level cannot be subordinate to the pack level; however, the tare level may be omitted.
- 1/020 When BHT01, Hierarchical Structure Code, contains a value of 0003, the levels of the transaction set are Shipment, Tare (pallet), Pack (carton), Subpack, Order and Item. The levels, when used, must always appear (in the transaction set) in the above order, e.g., the pack level can not be subordinate to the order level, however the pack level may be omitted.
- 1/020 BHT03 and BHT04 are mandatory.
- 1/030 HL01 (Hierarchical ID Number) will be assigned sequentially within the hierarchy starting with one and incremented by one for each HL segment.
- 1/030 HL02 (Hierarchical Parent ID) will have the value of 0 when used at the Shipment Level.
- 1/030 HL03 (Hierarchical Level Code) may only contain the codes: S (Shipment Level), O (Order Level), T (Tare Level), P (Pack Level), Q (Subpack Level), and I (Item Level).
- 1/040 The BS1 loop may only be used at the Shipment Level.
- 1/040 The transaction set shall contain one and only one occurrence of the BS1 loop, Shipment level.
- 1/180 The BS2 loop may only be used at the Order Level.
- 1/180 The Transaction Set shall contain at least one occurrence of the BS2 loop, Order Level.
- 1/300 The BS3 loop may only be used at the Tare (pallet) Level.
- 1/320 The BS4 loop may only be used at the Pack (carton) and Subpack Levels. The Subpack Level may only be used in conjunction with the Pack Level.
- 1/320 LX01 (Assigned Number) will be sequentially assigned starting with one and incremented by one for each LX segment.
- 1/320 The LX segment is used to bound the segments for the Pack and Subpack Levels to allow all segments within the loop to be optional. It has no relevance to the application data being sent.
- 1/370 The BS5 loop may only be used at the Item Level.
- 1/370 There shall be at least one occurrence of the BS5 loop, Item Level within each Order Level.

**COMMENTS**

- 1/010 The structure of this transaction set is one shipment of one or more orders.
- 1/010 This transaction set is used to convey information that is normally found on a shipping/receiving document and a invoice, in a paper environment. In most cases prices are excluded from the receiving documents. Care should be exercised to keep this information from the receiving area if it is the current practice to exclude such information. It may be prudent to consult an auditor or legal representative if there is any question.

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NOTE	POS.	TAG	NAME	STATUS	REPEAT	LOOP REPEAT
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