



# EDI 310 ANSI

**Freight Receipt and Invoice**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Freight Receipt and Invoice (Ocean) Transaction Set (310) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide ocean bill of lading information. It is sent by ocean carriers to interested parties and can be used as the receipt for the shipment; to substitute for a paper bill of lading where the parties have agreed that a paper bill of lading is not necessary; to allow shipper or forwarder to verify bill of lading information before an original is printed and released; for information purposes, i.e., as a bill of lading copy; by the carrier to convey manifest information to a terminal operator; and as an invoice for freight.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	B3	Beginning Segment for Carrier's Invoice	M	1		
	060	N9	Reference Identification	O	15		
M	070	V1	Vessel Identification	M	2		
	110	C3	Currency	O	1		
	120	Y2	Container Details	O	10		
LOOP ID - N1						10	
M	130	N1	Name	M	1		
	150	N3	Address Information	O	2		
	160	N4	Geographic Location	O	1		
LOOP ID - R4						20	
M	180	R4	Port or Terminal	M	1		
	190	DTM	Date/Time Reference	O	15		

## Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - LX						999	
M	010	LX	Assigned Number	M	1		
LOOP ID - L0						120	
	150	L0	Line Item - Quantity and Weight	O	1		
	160	L5	Description, Marks and Numbers	O	999		
LOOP ID - L1						20	
	170	L1	Rate and Charges	O	1		

## Summary:

	<u>Pos.No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	L3	Total Weight and Charges	M	1		
M	080	SE	Transaction Set Trailer	M	1		

<b>Segment:</b>	<b>ST</b> Transaction Set Header
<b>Position:</b>	010
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To indicate the start of a transaction set and to assign a control number
<b>Syntax Notes:</b>	
<b>Semantic Notes:</b>	<b>1</b> 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).
<b>Comments:</b>	
<b>Business Rules:</b>	Variable Name: STST

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 310 Freight Receipt and Invoice (Ocean)	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

**Segment:** **B3** Beginning Segment for Carrier's Invoice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit basic data relating to the carrier's invoice  
**Syntax Notes:** 1 If either B309 or B310 is present, then the other is required.  
**Semantic Notes:** 1 B306 is the billing date.  
 2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.  
 3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

**Comments:**

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	B302	76	<b>Invoice Number</b> Identifying number assigned by issuer	M AN 1/22
	B303	145	<b>Shipment Identification Number</b> 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) Mandatory for 3M Bill of Lading	O AN 1/30
M	B304	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges Freight Terms CC Collect PP Prepaid (by Seller)	M ID 2/2
M	B306	373	<b>Date</b> Date expressed as CCYYMMDD Invoice Date	M DT 8/8
M	B307	193	<b>Net Amount Due</b> Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified Total Net Amount 3M is unable to accept a negative dollar amount	M N2 1/12
	B308	202	<b>Correction Indicator</b> Code used to indicate that the transaction set contains information which corrects previous information Not required on original invoices. Required when sending a Corrected (BE) or Adding Revenue (AR) AR Adding Revenue BE Billing Error	O ID 2/2
M	B311	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code Mandatory for 3M SCAC Code	M ID 2/4
	B312	373	<b>Date</b> Date expressed as CCYYMMDD Pick Up Date	O DT 8/8

**Segment:** **N9** **Reference Identification**  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 15  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **V1** Vessel Identification  
**Position:** 070  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 2  
**Purpose:** To provide vessel details and voyage number  
**Syntax Notes:** 1 At least one of V101 or V102 is required.  
 2 If V108 is present, then V101 is required.  
**Semantic Notes:** 1 V103 is the code identifying the country in which the ship (vessel) is registered.  
 2 V105 identifies the ocean carrier.  
**Comments:**

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
V101	597	Vessel Code	X ID 1/8
		Code identifying vessel	
V102	182	Vessel Name	X AN 2/28
		Name of ship as documented in "Lloyd's Register of Ships"	
V104	55	Flight/Voyage Number	O AN 2/10
		Identifying designator for the particular flight or voyage on which the cargo travels	
V109	91	Transportation Method/Type Code	O ID 1/2
		Code specifying the method or type of transportation for the shipment	
		S Ocean	

**Segment:** **C3** Currency  
**Position:** 110  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the currency being used in the transaction set  
**Syntax Notes:**  
**Semantic Notes:**

- 1 C301 is the billing currency.
- 2 C303 is the payment currency.
- 3 C304 is the rated currency.

**Comments:**

- 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.

## Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	C301	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
		Mandatory for 3M	

**Segment:** **Y2** Container Details  
**Position:** 120  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify container information and transportation service to be used  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

## Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	Y201	95	<b>Number of Containers</b> Number of shipping containers	M N0 1/4
	Y202	78	<b>Container Type Request Code</b> Code indicating type of container equipment requested C Containers with Chassis	O ID 1/1
M	Y204	24	<b>Equipment Type</b> Code identifying equipment type	M ID 4/4



<b>Segment:</b>	<b>N1</b> Name
<b>Position:</b>	130
<b>Loop:</b>	N1 Mandatory
<b>Level:</b>	Heading
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To identify a party by type of organization, name, and code
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of N102 or N103 is required.</li> <li>2 If either N103 or N104 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 N105 and N106 further define the type of entity in N101.</li> </ol>
<b>Notes:</b>	CA, CN, SH name loops are Mandatory for 3M. Please provide full address loops for all N1 loops. N1*CA*Carrier Name*92*60000042 N1*SH*3M - PLANT #2 N1*CN*3M MILTON DC*92*2000

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	N101	98 Entity Identifier Code	M ID 2/3	
		Code identifying an organizational entity, a physical location, property or an individual		
		BT Bill-to-Party		
		CA Carrier		
		CN Consignee		
		SH Shipper		
N102	93	Name	X AN 1/60	
		Free-form name		
N103	66	Identification Code Qualifier	X ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)		
		92 Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	X AN 2/80	
		Code identifying a party or other code		
		Required by 3M When N101 is set to "CA"		
		3M will assign each freight forwarder their own identifier to map to the N104		
		Required by 3M when N101 is set to "CN"		
		A 3M representative will provide a 4-digit code to map to the N104		

Segment: **N3** Address Information  
Position: 150  
Loop: N1 Mandatory  
Level: Heading  
Usage: Optional  
Max Use: 2  
Purpose: To specify the location of the named party  
Syntax Notes:  
Semantic Notes:  
Comments:  
Notes: N3\*2 Craig Street  
N3\* 2751 PEDDIE ROAD

Data Element Summary				
	Ref.	Data		Attributes
	Des.	Element	Name	
M	N301	166	Address Information	M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

**Segment:** **N4** Geographic Location  
**Position:** 160  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**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.  
**Notes:** N4\*PERTH\*ON\*K7H 3E2\*CA

## Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3

**Segment:** **R4** Port or Terminal  
**Position:** 180  
**Loop:** R4 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** Contractual or operational port or point relevant to the movement of the cargo  
**Syntax Notes:** 1 If either R402 or R403 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 R4 is required for each port to be identified.

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	R401	115	<b>Port or Terminal Function Code</b> Code defining function performed at the port or terminal with respect to a shipment D Port of Discharge (Operational) Port at which cargo is unloaded from vessel L Port of Loading (Operational) Port at which cargo is loaded on vessel	M ID 1/1
	R402	309	<b>Location Qualifier</b> Code identifying type of location UN United Nations Location Code (UNLOCODE)	X ID 1/2
	R403	310	<b>Location Identifier</b> Code which identifies a specific location	X AN 1/30

**Segment:** **DTM** **Date/Time Reference**  
**Position:** 190  
**Loop:** R4 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 15  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		035	Delivered	
			Destination Port Delivery date	
		161	Loaded on Vessel	
			Origin Port Pick up date	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

**Segment:** **LX** Assigned Number  
**Position:** 010  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** A Separate LX loop is required for each L1 segment.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	LX01	554 Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	
		Mandatory for 3M	
		This element should contain a counter that is incremental by 1 for every detail loop written	

<b>Segment:</b>	<b>L0</b>	<b>Line Item - Quantity and Weight</b>
<b>Position:</b>	150	
<b>Loop:</b>	L0	Optional
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either L002 or L003 is present, then the other is required.</li> <li>2 If either L004 or L005 is present, then the other is required.</li> <li>3 If either L006 or L007 is present, then the other is required.</li> <li>4 If either L008 or L009 is present, then the other is required.</li> <li>5 If L011 is present, then L004 is required.</li> <li>6 If either L013 or L015 is present, then the other is required.</li> </ol>	
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 L008 is the number of handling units of the line item tendered to the carrier.</li> <li>2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.</li> <li>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.</li> </ol>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>	

## Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L001	213	<b>Lading Line Item Number</b>	O N0 1/3
		Sequential line number for a lading item	
L002	220	<b>Billed/Rated-as Quantity</b>	X R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
L003	221	<b>Billed/Rated-as Qualifier</b>	X ID 2/2
		Code identifying the type of quantity or value on which the rate or item pricing is based	
L004	81	<b>Weight</b>	X R 1/10
		Numeric value of weight	
		Mandatory for 3M	
L005	187	<b>Weight Qualifier</b>	X ID 1/2
		Code defining the type of weight	
		Mandatory for 3M	
		A1 Dimensional Weight	
		G Gross Weight	
		N Actual Net Weight	
		T Tare Weight	
L008	80	<b>Lading Quantity</b>	X N0 1/7
		Number of units (pieces) of the lading commodity	
L009	211	<b>Packaging Form Code</b>	X ID 3/3
		Code for packaging form of the lading quantity	
		BDL Bundle	
		BOX Box	
		CAS Case	
		CTN Carton	
		PCS Pieces	
		PLT Pallet	
		ROL Roll	

		SKD	Skid		
L011	188	Weight Unit Code		O	ID 1/1
		Code specifying the weight unit			
		K	Kilograms		
		L	Pounds		



**Segment:** **L5** Description, Marks and Numbers

**Position:** 160

**Loop:** L0 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 999

**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

**Syntax Notes:** 1 If either L503 or L504 is present, then the other is required.

2 If L507 is present, then L506 is required.

3 If either L508 or L509 is present, then the other is required.

**Semantic Notes:**

**Comments:** 1 L502 may be used to send quantity information as part of the product description.

#### Data Element Summary

Ref. Des.	Data Element	Name	Attributes
L501	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L502	79	Lading Description Description of an item as required for rating and billing purposes Mandatory for 3M	O AN 1/50
L503	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30

<b>Segment:</b>	<b>L1</b>	<b>Rate and Charges</b>
<b>Position:</b>	170	
<b>Loop:</b>	L1	Optional
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements	
<b>Syntax Notes:</b>	<b>1</b> If either L102 or L103 is present, then the other is required. <b>2</b> At least one of L104 L105 or L106 is required. <b>3</b> If either L114 or L115 is present, then the other is required. <b>4</b> If either L117 or L118 is present, then the other is required.	
<b>Semantic Notes:</b>	<b>1</b> L119 is the percent used to determine the charge in L104. <b>2</b> L120, if used, indicates the currency for all monetary amounts in this L1 segment. <b>3</b> L121 is the origin rated as charge amount.	
<b>Comments:</b>		

## Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L101	213	<b>Lading Line Item Number</b>	O N0 1/3
		Sequential line number for a lading item	
L102	60	<b>Freight Rate</b>	X R 1/9
		Rate that applies to the specific commodity	
L103	122	<b>Rate/Value Qualifier</b>	X ID 2/2
		Code qualifying how to extend charges or interpret value	
L104	58	<b>Charge</b>	X N2 1/12
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
		Mandatory for 3M	
		Amount charged for this line item	
		3M is unable to accept a negative dollar amount	
L105	191	<b>Advances</b>	X N2 1/9
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
L108	150	<b>Special Charge or Allowance Code</b>	O ID 3/3
		Code identifying type of special charge or allowance	
		3M will accept any ANSI compliant value sent in the L108, but we ask that you use the following codes only when providing us Tax Information	
		Please note for our Canadian Carriers we are using 3 code values in a non-standard method as follows:	
		a.) Code "TTS" indicates "State Tax" but 3M asks that you use this code if you are providing us "Province Tax"	
		b.) Code "ZZZ:" indicates "Mutually defined" but 3M ask that you use this code if you are providing us Quebec Tax"	
		c.) Code "HST" is not an ANSI compliant code, but 3M will accept it. When it is used it indicates "Harmonized Sales Tax", Please note this value is not displayed on the list of qualifiers below	
		750 Value Added Tax (VAT)	
		AAT Handling Charge Tax	
		CBX City Sales Tax (Only)	
		GST Goods and Services Tax Charge	

LLS

Local Sales Tax (All Applicable Sales Taxes by Taxing

MMT	Authorities Below the State Level)
PPT	Metropolitan Transit Tax
SST	Parish/County Sales Tax (only)
TAD	Sales Tax (State and Local)
TTL	Tax on Transportation
TTS	Local Tax
	State Tax

For Canadian Carriers this value is sent when indicating Province Tax

UUT Use Tax

ZZZ Mutually Defined

For Canadian Carriers this value is sent when indicating Quebec Tax

**L112**

**276**

**Special Charge Description**

**O AN 2/25**

Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

**Segment:** **L3** Total Weight and Charges**Position:** 010**Loop:****Level:** Summary**Usage:** Mandatory**Max Use:** 1**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items**Syntax Notes:** 1 If either L301 or L302 is present, then the other is required.

2 If either L303 or L304 is present, then the other is required.

3 If either L309 or L310 is present, then the other is required.

4 If L312 is present, then L301 is required.

5 If either L314 or L315 is present, then the other is required.

**Semantic Notes:** 1 L305 is the total charges.**Comments:**

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L301	81	<b>Weight</b>	X R 1/10
		Numeric value of weight	
		Mandatory for 3M	
		Total Shipment Weight	
L302	187	<b>Weight Qualifier</b>	X ID 1/2
		Code defining the type of weight	
		Mandatory for 3M	
		A1 Dimensional Weight	
		G Gross Weight	
		N Actual Net Weight	
		T Tare Weight	
L303	60	<b>Freight Rate</b>	X R 1/9
		Rate that applies to the specific commodity	
L304	122	<b>Rate/Value Qualifier</b>	X ID 2/2
		Code qualifying how to extend charges or interpret value	
L305	58	<b>Charge</b>	O N2 1/12
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
		Mandatory for 3M	
		Total Charges for Shipment	
		3M is unable to accept a negative dollar amount	
L311	80	<b>Lading Quantity</b>	O N0 1/7
		Number of units (pieces) of the lading commodity	
		Mandatory for 3M	
		Total Tendered Pieces	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 080  
**Loop:**  
**Level:** Summary  
**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>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

## APPENDIX

### Transaction Examples:

#### Original invoice:

ISA\*00\*\*00\*\*ZZ\*IDSENDERID\*ZZ\*IDRECEIVERID\*151029\*1410\*U\*00401\*000272303\*0\*P\*:]  
GS\*IO\* IDSENDERID \* IDRECEIVERID \*20151029\*1410\*272303\*X\*004010]  
ST\*310\*0001~  
B3\*\*INVOICENUMBER\*BILLOFLADING\*PP\*\*20120224\*157357\*\*\*\*SCAC\*20120224~  
N9\*GT\*REFERENCEIDENTIFICATION~  
V1\*VESSELCODE\*VESSELNAME\*\*VOYAGENUMBER\*\*\*\*\*S~  
C3\*CUR~  
Y2\*3\*C\*\*EQUI~  
N1\*BT\*BILL TO NAME ~  
N3\*123 BILL TO ADDRESS~  
N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
N1\*CA\*CARRIER NAME\*92\*SUPPLIERNUMBER~  
N3\*123 CARRIER ADDRESS~  
N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
N1\*CN\*3M NAME\*92\*4-DIGIT CODE GIVEN TO CARRIER BY 3M~  
N3\*123 CONSIGNEE ADDRESS~  
N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
N1\*SH\*SHIPPER COMPANY NAME ~  
N3\*123 SHIPPER ADDRESS~  
N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
R4\*D\*UN\*LOCATION IDENTIFIER~  
DTM\*035\*20170224~  
LX\*1~  
L0\*1\*2072\*AR\*2927\*A\*\*\*197152\*AMM\*\*E~  
L5\*1\*LADING DESCRIPTION\*COMMODITY CODE~  
L1\*1\*285319\*AA\*155092\*2265\*\*\*002\*\*\*\*\*~  
L3\*2927\*A\*\* \*157357\*\*\*\*\*197152~  
SE\*26\*0001~  
GE\*1\*272303~  
IEA\*1\*000272303~

**B308 = AR (Adding Revenue/Balance Due)**

ISA\*00\*\*00\*\*ZZ\*IDSENDERID\*ZZ\*IDRECEIVERID\*151029\*1410\*U\*00401\*000272303\*0\*P\*:]  
 GS\*IO\* IDSENDERID \* IDRECEIVERID \*20151029\*1410\*272303\*X\*004010]  
 ST\*310\*0001~  
 B3\*\*INVOICENUMBER\*BILLOFLADING\*PP\*\*20120224\*157357\*AR\*\*\*SCAC\*20120224~  
 N9\*GT\*REFERENCEIDENTIFICATION~  
 V1\*VESSELCODE\*VESSELNAME\*\*VOYAGENUMBER\*\*\*\*\*S~  
 C3\*CUR~  
 Y2\*3\*C\*\*EQUI~  
 N1\*BT\*BILL TO NAME ~  
 N3\*123 BILL TO ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 N1\*CA\*CARRIER NAME\*92\*SUPPLIERNUMBER~  
 N3\*123 CARRIER ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 N1\*CN\*3M NAME\*92\*4-DIGIT CODE GIVEN TO CARRIER BY 3M~  
 N3\*123 CONSIGNEE ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 N1\*SH\*SHIPPER COMPANY NAME ~  
 N3\*123 SHIPPER ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 R4\*D\*UN\*LOCATION IDENTIFIER~  
 DTM\*035\*20170224~  
 LX\*1~  
 L0\*1\*2072\*AR\*2927\*A\*\*\*197152\*AMM\*\*E~  
 L5\*1\*LADING DESCRIPTION\*COMMODITY CODE~  
 L1\*1\*285319\*AA\*155092\*2265\*\*\*002\*\*\*\*\*~  
 L3\*2927\*A\*\* \*157357\*\*\*\*\*197152~  
 SE\*26\*0001~  
 GE\*1\*272303~  
 IEA\*1\*000272303~



**B308 = BE (Billing Error)**

ISA\*00\*\*00\*\*ZZ\*IDSENDERID\*ZZ\*IDRECEIVERID\*151029\*1410\*U\*00401\*000272303\*0\*P\*:]  
 GS\*IO\* IDSENDERID \* IDRECEIVERID \*20151029\*1410\*272303\*X\*004010]  
 ST\*310\*0001~  
 B3\*\*INVOICENUMBER\*BILLOFLADING\*PP\*\*20120224\*157357\*BE\*\*\*SCAC\*20120224~  
 N9\*GT\*REFERENCEIDENTIFICATION~  
 V1\*VESSELCODE\*VESSELNAME\*\*VOYAGENUMBER\*\*\*\*\*S~  
 C3\*CUR~  
 Y2\*3\*C\*\*EQUI~  
 N1\*BT\*BILL TO NAME ~  
 N3\*123 BILL TO ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 N1\*CA\*CARRIER NAME\*92\*SUPPLIERNUMBER~  
 N3\*123 CARRIER ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 N1\*CN\*3M NAME\*92\*4-DIGIT CODE GIVEN TO CARRIER BY 3M~  
 N3\*123 CONSIGNEE ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 N1\*SH\*SHIPPER COMPANY NAME ~  
 N3\*123 SHIPPER ADDRESS~  
 N4\*CITY \*ST\*POSTALCODE\*COUNTRYCODE~  
 R4\*D\*UN\*LOCATION IDENTIFIER~  
 DTM\*035\*20170224~  
 LX\*1~  
 L0\*1\*2072\*AR\*2927\*A\*\*\*197152\*AMM\*\*E~  
 L5\*1\*LADING DESCRIPTION\*COMMODITY CODE~  
 L1\*1\*285319\*AA\*155092\*2265\*\*\*002\*\*\*\*\*~  
 L3\*2927\*A\*\* \*157357\*\*\*\*\*197152~  
 SE\*26\*0001~  
 GE\*1\*272303~  
 IEA\*1\*000272303~