

# CBP EXPORTS RAIL X12 309 CUSTOMS MANIFEST

February 2020



U.S. Customs and  
Border Protection



# 309 Customs Manifest

Functional Group ID=**AQ**

## Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Customs Manifest Transaction Set (309) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by carriers, terminal operators, port authorities, or service centers to provide Customs with manifest data on cargo arriving in or departing from oceangoing vessels, railroad trains, or other types of conveyances. The transaction set can be also used by carriers to provide terminal operators, port authorities, or service centers with manifest data on cargo arriving at their facilities via the conveyances mentioned above.

This Implementation Guideline uses the ASC X12 7010 Standards Version/Release as its base. The transaction structure has been altered to accommodate U.S. Customs and Border Protection implementation requirements.

## Notes:

### SPECIAL MESSAGING CONSTRAINTS:

- Limit one Interchange (ISA-IEA) per message transmission.
- Limit one message Group (GS-GE) per message transmission.
- Limit one transaction sets (ST-SE) of the same Transaction Set (TS) Identifier Code (i.e., 309). Only one is allowed per message transmission.
- Element delimiters used in this transaction must be '\*' (asterisk). No blanks between delimiters if element is null.
- Segment delimiters used in this transaction must be one byte with a value of hex '15'.
- A segment delimiter must be the last byte of data in the message transmission data stream.
- Only transmit uppercase AMERICAN ENGLISH alphabetic data.
- Transmit ONLY displayable characters found on a standard American English keyboard. Low-values, carriage return characters, or other non-standard characters must NOT be transmitted.
- 'Not Used' in the left column indicates that a composite or data element will not be used by BP.
- 'Dep' in the left column indicates that CBP usage of a particular segment or element is - dependent (Conditional) within the CBP application.
- Per the ASC X12 Standard, an 'M' indicates a Mandatory use, 'O' indicates Optional use, and an 'X' indicates a Conditional use. CBP requirements may override ASC X12 Standard Mandatory or Conditional usages.
- Maximum allowable message transmission size is 12 megabytes (12,582,912 bytes) of data.

(Last Update: September 2015) ACE v 1.0.1 Rail Export

	<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>
Must Use	0050	ISA	Interchange Control Header	M		1	
Must Use	0075	GS	Functional Group Header	M		1	
M	0100	ST	Transaction Set Header	M		1	
M	0200	M10	Manifest Identifying Information	M		1	
Not Used	0210	N9	Extended Reference Information	O		5	
Not Used	0250	VEH	Vehicle Information	O		10	
Not Used	0255	M7	Seal Numbers	O		1	
Not Used	0260	CII	Conveyance Insurance Information	O		3	
						999	
Not Used	0270	NM1	Individual or Organizational Name	O		1	
Not Used	0290	DMG	Demographic Information	O		1	
Not Used	0300	DMA	Additional Demographic Information	O		1	
Not Used	0310	REF	Reference Information	O		10	
Not Used	0320	N3	Party Location	O		2	
Not Used	0330	N4	Geographic Location	O		1	



**Segment:** **ISA** Interchange Control Header  
**Position:** 0050  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

**Syntax Notes:**  
**Semantic Notes:**

### Data Element Summary

Ref.	Data				
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	ISA01	I01	<b>Authorization Information Qualifier</b> Code identifying the type of information in the Authorization Information Always '04'	M	1 ID 2/2
			04 Rail Communications ID		
M	ISA02	I02	<b>Authorization Information</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Always 'SW309' plus 5 spaces.	M	1 AN 10/10
M	ISA03	I03	<b>Security Information Qualifier</b> Code identifying the type of information in the Security Information Always '00'	M	1 ID 2/2
			00 No Security Information Present (No Meaningful Information in I04)		
M	ISA04	I04	<b>Security Information</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Always 10 spaces.	M	1 AN 10/10
M	ISA05	I05	<b>Interchange ID Qualifier</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Always '02'	M	1 ID 2/2
			02 SCAC (Standard Carrier Alpha Code)		
M	ISA06	I06	<b>Interchange Sender ID</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element Sender Identifier. May be identical to that of GS02.	M	1 AN 15/15
M	ISA07	I05	<b>Interchange ID Qualifier</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified Always '02'	M	1 ID 2/2
			02 SCAC (Standard Carrier Alpha Code)		
M	ISA08	I07	<b>Interchange Receiver ID</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them USCXP Production USCT Testing	M	1 AN 15/15
M	ISA09	I08	<b>Interchange Date</b>	M	1 DT 6/6





















































**Segment:** **VID** **Conveyance Identification**  
**Position:** 1500  
**Loop:** VID Optional (Dependent)  
**Level:**  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To identify a conveyance and its attributes  
**Syntax Notes:**

- 1 If VID14 is present, then at least one of VID15 or VID18 is required.
- 2 Only one of VID15 or VID18 may be present.
- 3 If VID15 is present, then VID16 is required.
- 4 If VID16 is present, then at least one of VID15 or VID18 is required.
- 5 If VID18 is present, then VID16 is required.

**Semantic Notes:**

- 1 VID12 is the Census Schedule K code for the foreign port of loading on a vessel.
- 2 VID13 is the Standard Carrier Alpha Code (SCAC) of the Haulage Rights Carrier.
- 3 VID14 is the license plate of the equipment.
- 4 VID15 is the state or province of the license in the VID14.
- 5 VID16 is the country of the license in the VID15 or VID18.
- 6 VID17 is the ACE (Automated Commercial Environment) ID of the equipment identified in the VID03.
- 7 VID18 is the country subdivision of the license in the VID14.

**Notes:**

1. The segment is not used if M1303 is 'D' or 'R'
2. The combination of the VID02 and VID03 elements comprise the container number.
3. There must be at least one N10 segment if the VID segment is used.
4. A specific container or 'NC' for non-containerized may be reported only once within the same bill of lading.

**Data Element Summary**

Ref.	Data	Element Name	Attributes
M	<b>VID01</b>	<b>40 Equipment Description Code</b> Code identifying type of equipment used for shipment Refer to the Export Multi Modal Manifest Appendix F	M 1 ID 2/2
M	<b>VID02</b>	<b>206 Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number For contains without initials use 'NONU'	O 1 AN 1/4
M	<b>VID03</b>	<b>207 Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) - CBP requires a minimum of 1 character and a maximum of 10 characters when VID02 is used.	M 1 AN 1/15
Dep	<b>VID04</b>	<b>225 Seal Number</b> Unique number on seal used to close a shipment A valid exporter/carrier seal number associated with this shipment. If a seal number is present, it must be provided. Cannot include special characters ( ' ' or ' / ', etc.). Required by CBP for rail usage if seals are applied. - CBP accepts a minimum of 2 non-blank characters and up to 15 alpha/numeric characters in this element	O 1 AN 2/15
	<b>VID05</b>	<b>225 Seal Number</b> Unique number on seal used to close a shipment A valid exporter/carrier seal number associated with this shipment. Cannot include " . " or " - ". Required by CBP for rail usage if additional seals are applied. - CBP accepts a minimum of 2 non-blank characters and up to 15 alpha/numeric characters in this element.	O 1 AN 2/15

Not Used	VID06	567	Equipment Length	0	1	N0 4/5
Not Used	VID07	65	Height	0	1	R 1/8
Not Used	VID08	189	Width	0	1	R 1/8
	VID09	24	Equipment Type Code Code identifying equipment type Refer to the Export Multimodal Manifest Appendix M	0	1	ID 4/4
	VID10	322	Load/Empty Status Code Code specifying the loaded condition of transportation equipment This field is required when M1109 is a code for Empty Equipment. Other values accepted by CBP are: E Empty U.S. Railroads use only this code L Loaded	0	1	ID 1/1
Not Used	VID11	56	Type of Service Code	0	1	ID 2/2
Not Used	VID12	310	Location Identifier	0	1	AN 1/30
Not Used	VID13	140	Standard Carrier Alpha Code	0	1	ID 2/4
Not Used	VID14	127	Reference Identification	0	1	AN 1/80
Not Used	VID15	156	State or Province Code	X	1	ID 2/2
Not Used	VID16	26	Country Code	X	1	ID 2/3
Not Used	VID17	127	Reference Identification	0	1	AN 1/80
Not Used	VID18	1715	Country Subdivision Code	X	1	ID 1/3
Not Used	VID19	512	Import/Export Code	0	1	ID 1/1
Not Used	VID20	761	Equipment Number Check Digit	0	1	N0 1/1

**Segment:** M7 SealNumbers  
**Position:** 1570  
**Loop:** VID Optional (Dependent)  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To record seal numbers used and the organization that applied the seals  
**Syntax Notes:**  
**Semantic Notes:**

**Data Element Summary**

Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	M701	225	<b>Seal Number</b> Unique number on seal used to close a shipment A valid exporter/carrier seal number associated with this shipment. Cannot include " ." or " - ". Required by CBP for rail usage if additional seals are applied. - CBP accepts a minimum of 2 non-blank characters and up to 15 alpha/numeric characters in this element.	M 1 AN 2/15
	M702	225	<b>Seal Number</b> Unique number on seal used to close a shipment A valid exporter/carrier seal number associated with this shipment. Cannot include " ." or " - ". Required by CBP for rail usage if additional seals are applied. - CBP accepts a minimum of 2 non-blank characters and up to 15 alpha/numeric characters in this element.	O 1 AN 2/15
	M703	225	<b>Seal Number</b> Unique number on seal used to close a shipment A valid exporter/carrier seal number associated with this shipment. Cannot include " ." or " - ". Required by CBP for rail usage if additional seals are applied. - CBP accepts a minimum of 2 non-blank characters and up to 15 alpha/numeric characters in this element.	O 1 AN 2/15
	M704	225	<b>Seal Number</b> Unique number on seal used to close a shipment A valid exporter/carrier seal number associated with this shipment. Cannot include " ." or " - ". Required by CBP for rail usage if additional seals are applied. - CBP accepts a minimum of 2 non-blank characters and up to 15 alpha/numeric characters in this element.	O 1 AN 2/15
Not Used	M705	98	<b>Entity Identifier Code</b>	O 1 ID 2/3

<b>Segment:</b>	<b>N10</b> Quantity and Description
<b>Position:</b>	1600
<b>Loop:</b>	N10 Optional (Dependent)
<b>Level:</b>	
<b>Usage:</b>	Optional (Dependent)
<b>Max Use:</b>	1
<b>Purpose:</b>	To indicate line item quantity, description, marks and numbers, commodity code, weight, and customs value
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either N1004 or N1005 is present, then the other is required.</li> <li>2 If either N1007 or N1008 is present, then the other is required.</li> <li>3 If N1013 is present, then N1006 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 If N1013 is not used, the default currency of N1006 is USD (US Dollar).</li> <li>2 N1009 is the U.S. Customs and Border Protection (CBP) bar code number for line release.</li> <li>3 N1011 is the country of the manufacturer of the goods.</li> <li>4 N1012 is the country of the final destination of the goods.</li> <li>5 N1013 is the currency of the value of N1006.</li> </ol>
<b>Notes:</b>	<ol style="list-style-type: none"> <li>1. There must be at least one N10 segment if a VID segment is used. If container is empty, send '1' in element N1001, 'EMPTY' in element N1002 and 'NO MARKS' in N1003.</li> <li>2. Do not use character selected to serve as Sub-element Separator (ISA16) in Description or Marks and Numbers elements.</li> <li>3. Do not exceed 999 repetitions of the N10 loop.</li> <li>4. Tariff data (HTS) must be included on all bills designated for export (T&amp;E, IE).</li> <li>5. For every N10 segment sent, Marks and Numbers must be included.</li> </ol> <p>Example: If more description is available than Marks and Numbers, add "." to Marks and Numbers field.</p>

#### Data Element Summary

Ref.	Data	Element Name	Attributes
Dep	N1001	<b>380 Quantity</b> Numeric value of quantity Required for each new commodity. Full bill quantity or breakdown quantity may be reported as long as all N1001 elements equal the quantity listed in M1103. When N10 is used to report continued Description and/or Marks and Numbers, the N1001 may be '0' or blank. - CBP will only accept up to 10 numeric characters in this element.	<b>O 1 R 1/15</b>
Must Use	N1002	<b>369 Free-form Description</b> Free-form descriptive text Required by CBP. If the N10 is used to provide additional Marks and Numbers in the N1003 and additional Description does not exist or is not available, value should be '.' in this element.	<b>O 1 AN 1/45</b>
Must Use	N1003	<b>87 Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment Required by CBP. The written description of the symbols and markings on the outside of the packages. If Marks and Numbers do not exist or are not available, value should be 'NO MARKS' in this element. If the N10 is used to provide additional Description in the N1002 and Marks and Numbers do not exist or are not available, value should be '.' in this element. - CBP accepts up to 45 alpha/numeric characters in this element.	<b>O 1 AN 1/48</b>
Dep	N1004	<b>23 Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code - CBP accepts a six to ten digit Harmonized code	<b>X 1 ID 1/1</b>

J Harmonized System-Based Schedule B

Classification of exported merchandise

CBP accepts a six to ten digit Harmonized code

<b>Dep</b>	<b>N1005</b>	<b>22</b>	<b>Commodity Code</b> Code describing a commodity or group of commodities	<b>X</b>	<b>1 AN 1/30</b>
Harmonized Tariff Schedule Code. CBP accepts up to ten numeric characters in this field. CBP will only validate the first six bytes and return the associated description when necessary.					
<b>Dep</b>	<b>N1006</b>	<b>602</b>	<b>Customs Shipment Value</b> Customs value in whole dollars	<b>X</b>	<b>1 AN 2/8</b>
Value in U.S. Dollars					
<b>Dep</b>	<b>N1007</b>	<b>188</b>	<b>Weight Unit Code</b> Code specifying the weight unit	<b>X</b>	<b>1 ID 1/1</b>
Required if data found in N1008					
L Pounds					
U.S. Railroads use only this code					
<b>Dep</b>	<b>N1008</b>	<b>81</b>	<b>Weight</b> Numeric value of weight	<b>X</b>	<b>1 R 1/10</b>
Weight value in whole numbers - no decimals.					
Required if data found in N1007					
<b>Not Used</b>	<b>N1009</b>	<b>127</b>	<b>Reference Identification</b>	<b>O</b>	<b>1 AN 1/80</b>
	<b>N1010</b>	<b>599</b>	<b>Manifest Unit Code</b> Code specifying the smallest package unit for the bill of lading	<b>O</b>	<b>1 ID 1/3</b>
Refer to Import Ocean CAMIR Appendix N for valid codes					
<b>Not Used</b>	<b>N1011</b>	<b>26</b>	<b>Country Code</b>	<b>O</b>	<b>1 ID 2/3</b>
<b>Not Used</b>	<b>N1012</b>	<b>26</b>	<b>Country Code</b>	<b>O</b>	<b>1 ID 2/3</b>
<b>Not Used</b>	<b>N1013</b>	<b>100</b>	<b>Currency Code</b>	<b>O</b>	<b>1 ID 3/3</b>



**Segment:** **VC** Motor Vehicle Control  
**Position:** 1620  
**Loop:** N10 Optional (Dependent)  
**Level:**  
**Usage:** Optional  
**Max Use:** 999  
**Purpose:** To define motor vehicle identification and logistics  
**Syntax Notes:**  
**Semantic Notes:**

- 1 VC05 is the automotive manufacturer route code.
- 2 VC12 is the direction the headlights of the vehicle point.
- 3 VC13 is the final destination ramp location as assigned by the manufacturer.

**Notes:** CBP accepts Vehicle Identification Numbers (VINs) in this segment.

#### Data Element Summary

Ref.	Data				
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	VC01	539	<b>Vehicle Identification Number</b>	M	1 AN 1/30
			Unique identification number stamped on the vehicle by the manufacturer		
	VC02	836	<b>Vehicle Deck Position Code</b>	O	1 ID 2/2
			Code identifying the specific position of a vehicle on multi-level equipment; when dealing with rail cars the front end will be defined as that end of the rail car which the vehicle faces		
Not Used	VC03	837	<b>Vehicle Type Code</b>	O	1 ID 1/1
Not Used	VC04	838	<b>Dealer Code</b>	O	1 AN 2/9
Not Used	VC05	1	<b>Route Code</b>	O	1 AN 1/13
Not Used	VC06	839	<b>Bay Location</b>	O	1 AN 1/6
Not Used	VC07	833	<b>Automotive Manufacturers Code</b>	O	1 ID 2/2
Not Used	VC08	308	<b>Damage Exception Indicator Code</b>	O	1 ID 1/1
Not Used	VC09	835	<b>Supplemental Inspection Code</b>	O	1 ID 1/1
Not Used	VC10	583	<b>Factory Car Order Number</b>	O	1 AN 6/10
Not Used	VC11	877	<b>Vessel Stowage Location</b>	O	1 AN 1/12
Not Used	VC12	1543	<b>Equipment Orientation Code</b>	O	1 ID 1/1
Not Used	VC13	310	<b>Location Identifier</b>	O	1 AN 1/30

**Segment:** **H1 Hazardous Material**  
**Position:** 1650  
**Loop:** H1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify information relative to hazardous material  
**Syntax Notes:** 1 If either H107 or H108 is present, then the other is required.  
**Semantic Notes:**  
**Notes:** 1. CBP usage of the H1 segment is Conditional - If hazardous cargo is being carried it must be reported.

#### Data Element Summary

Ref.	Data				
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	H101	62	<b>Hazardous Material Code</b> Code relating to hazardous material code qualifier for regulated hazardous materials CBP requires a valid value from the UN/NA (United Nations/North American Hazardous Materials Code) List.	M	1 AN 4/10
Not Used	H102	209	<b>Hazardous Material Class Code</b>	O	1 AN 1/4
Not Used	H103	208	<b>Hazardous Material Code Qualifier</b>	O	1 ID 1/1
	H104	64	<b>Hazardous Material Description</b> Material name, special instructions, and phone number if any First 30 alpha numeric characters of the proper shipping name. The next 30 alpha/numeric will be added in H201.	O	1 AN 2/30
	H105	63	<b>Hazardous Material Contact</b> Phone number and name of person or department to contact in case of emergency This is the free form name and phone number for the HAZMAT contact	O	1 AN 1/24
Not Used	H106	200	<b>Hazardous Materials Page</b>	O	1 AN 1/6
Not Used	H107	77	<b>Flashpoint Temperature</b>	X	1 N 1/3
Not Used	H108	355	<b>Unit or Basis for Measurement Code</b>	X	1 ID 2/2
Not Used	H109	254	<b>Packing Group Code</b>	O	1 ID 1/3

**Segment:** **H2** Additional Hazardous Material Description  
**Position:** 1660  
**Loop:** H1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 99  
**Purpose:** To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

**SyntaxNotes:**

**Semantic Notes:**

**Notes:** Up to 2 H2 segments may be sent for each H1 segment.

**Data Element Summary**

Ref.	Data				
<u>Des.</u>	<u>Element Name</u>	<u>Attributes</u>			
M	H201	64	<b>Hazardous Material Description</b>	M	1 AN 2/30
			Material name, special instructions, and phone number if any		
			Additional 30 alpha/numeric characters of the proper shipping name		
Not Used	H202	274	<b>Hazardous Material Classification</b>	O	1 AN 1/30

**Segment:** **SE** Transaction Set Trailer  
**Position:** 2000  
**Loop:**  
**Level:**  
**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:**

**Data Element Summary**

Ref.	Data			
<u>Des.</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 1 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 1 AN 4/9

**Segment:** **GE** Functional Group Trailer  
**Position:** 2340  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of a functional group and to provide control information  
**Syntax Notes:**  
**Semantic Notes:** 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	GE01	97	<b>Number of Transaction Sets Included</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M 1 N0 1/6
M	GE02	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender	M 1 N0 1/9

**Segment:** **IEA** Interchange Control Trailer  
**Position:** 2680  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

**Syntax Notes:**  
**Semantic Notes:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<u><b>Des.</b></u>	<u><b>Element Name</b></u>		<u><b>Attributes</b></u>
M	IEA01	I16 <b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange	M	1 N0 1/5
M	IEA02	I12 <b>Interchange Control Number</b> A control number assigned by the interchange sender	M	1 N0 9/9