



# Maritime On-Line<sup>®</sup>

## TRACS File Transfer Specification

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## General

### A. OBJECTIVES

- to electronically share manifest data with parties who have a vested interest in specific shipments
- to eliminate redundant keying and associated errors of data
- to expedite cargo release by US Customs and Border Protection (CBP) and steamship lines

The record formats provide the data required by CBP as well as additional data useful to port businesses involved in moving cargo.

The TRACS system will edit and translate the data to satisfy Customs Automated Manifest System (AMS) requirements.

The following rules apply to the record layouts:

### B. STATUS

**M:** Mandatory -- must always be present

**O:** Optional -- provide if available

**C:** Conditional -- must be included if other relevant data is being transmitted

### C. CLASS

**A** Alpha Characters (A-Z & spaces) only, left justify, space fill

**N** Numeric (0-9) only, right justify, zero fill remaining positions

**X** Alphabet, Numerics and Special Symbols, left justify, space fill

**AN** Alpha/Numeric, left justify, space fill

**Note:** If record is not mandatory, space fill

## File Structure

For each manifest the following record order is required:

<b>M01</b> - Manifest Header	limit one per vessel/voyage per file
<b>P01</b> - Port Header	limit one per each US port of unloading per vessel/voyage per file
<b>J01</b> – Issuer Code	limit one per issuer
<b>A01</b> – Amendment Record	one per each BL for this port
<b>B01</b> - BL Header 1	one per each BL for this port
<b>B02</b> - BL Header 2	one per each BL for this port
<b>B04</b> – B/L Header 3	one per each BL for this port
<b>S01</b> - Shipper Name/Address	
<b>S02</b> - Shipper Address	
<b>S03</b> - Shipper Telephone/Telex	
<b>U01</b> - Consignee Name/Address	
<b>U02</b> - Consignee Address	
<b>U03</b> - Consignee Telephone/Telex	
<b>N00</b> - Second Notify Party	one each for multiple SNP's
<b>N01</b> - Notify Party Name/Address	
<b>N02</b> - Notify Party Address	
<b>N00</b> – Additional Party (Entity)	one each for party (e.g. booking party, ship to party, etc)
<b>N02</b> - Notify Party Name/Address	
<b>N03</b> - Notify Party Address	
<b>I01</b> - In-Bond Data	
<b>C01</b> - Cargo Header Record	
<b>D00</b> - Additional Cargo Description	multiple D00 records permitted
<b>D01</b> - Bill Cargo Description	up to 999 D01 records
<b>D02</b> - Marks and Numbers	up to 999 D02 records
<b>V01</b> - Hazardous Material	
<b>V02</b> - Hazardous Material	
<b>V03</b> - Hazardous Material	
<b>C01</b>	multiple C01 per B01 if containers, non-containerized cargo limited to 1 C01 per BL

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**Note:** Up to - 999 D00 records per C01 record  
- 999 D01 " " " "  
- 999 D02 " " " "  
- 99 sets of V01, V02, V03 records per C01 record

## Security Filing

The specification has been updated to allow participants to upload Security Filing information to meet the ISF-5.

The following additional data elements are required (which are detailed in this specification):

### B01 Record Segment

- New B/L status indicators are now available
  - Q = Simple FROB + Importer Security Filing
  - R = House FROB + Importer Security Filing
  - S = House Bill + Importer Security Filing
  - T = Simple Bill + Importer Security Filing
- In-bond Entry Type: new data element to report in-bond security filings. This element will allow you to submit a security filing for an in-bond (T&E or IE) without the in-bond information in the I01 record.

### B04 Record Segment

- Mandatory to report Foreign Port of Unloading and Place of Delivery for all types of Security Filings (FROB, T&E, and IE).

### N00, N02, N03 Record Segments

- Mandatory to report "Ship To" and "Booking Party" records for all Security Filings (FROB, T&E, and IE).

### D00 record Segment

- Mandatory Harmonized Cargo # at the six digit level for all Security Filings (FROB, T&E, and IE).

**M01 - MANIFEST HEADER RECORD****Mandatory**

Limit 1 per vessel/voyage per file transfer

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = M01
Carrier SCAC Code	4 AN	4 - 7	M	
Mode of Transport	2 N	8 - 9	M	11=container 10=other
Vessel Country Code	2 A	10 - 11	M	ISO Code for Flag
Vessel Name	23 X	12 - 34	M	Mandatory
Voyage Number	5 X	35 - 39	M	Must be unique for 5 years
Number of Bills on this Manifest	5 N	40 - 44	M	
Manifest Sequence Number	6 N	45 - 50	O	Future Use
Paperless In-Bond Participant	1 X	51	C	Y=yes, else space fill
Vessel (Lloyd's) Code	7 AN	52 - 58	M	Mandatory if no vessel name
Type of Transmission Code	2 A	59 - 60	M	MI=New Manifest AI=Manifest Amendment EI=Equipment Inventory (Empty Container)

**NOTE:** Vessel Name/Voyage Number combinations must remain unique for five years. TRACS requires Vessel Name even if sending Vessel (Lloyd's Code).

## P01 - PORT HEADER RECORD

Mandatory

Limit 1 P01 per US Port of Unlading

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must=P01
Port of Unlading Code	4 N	4 - 7	M	CBP Sched D Code
Scheduled Date of Arrival for this Port	6 N	8 - 13	M	MMDDYY Format
Number of Bills for this Port	5 N	14 - 18	M	

### Delaware River Port Codes

1103: Wilmington, Claymont, DE/Salem, NJ  
1102: Chester, PA  
1101: Philadelphia, Fairless, Marcus Hook, PA/Gloucester, Camden, NJ

## J01 – Record Identifier

Data Element	Length/Class	Position	Status	Notes
Control Identifier	3 AN	1 – 3	M	Must=J01
Issuer Code	4 AN	4 – 7	M	The SCAC code of the issuer of the bill(s) of lading. The actual bill of lading number is the combination of this code and the bill of lading sequence number transmitted on the B01 record.

## A01 Amendment Record

Conditional

limit one A01 per B01 record

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = A01
Carrier Code	4 AN	4 - 7	M	
CBP District/Port	4 N	8 - 11	M	CBP Schedule D Code
Action Code	1 A	12	M	A cope representing the Customs type of manifest amendment. Valid codes are: A = Add a bill of lading R = Replace the existing manifes data with new manifest data D = Delete a bill of lading
Bill of Lading Number	12 X	13 – 24	M	Must be unique for 3 years. Do not include issuer SCAC as it is contained in the preceding J01 record.
Quantity	10 X	25 – 34	C	If the action code is R on this record, enter the new bill of lading quantity.
Amendment Code	2 X	35 - 36	M	A code representing the reason for the amendment of the meanifest record. 03=Clerical Error See Appendix E for other amendment codes.

**Note:** This record is only used for amendments. It is not necessary for the initial manifest transmission.

# B01 - BILL OF LADING HEADER RECORD

Mandatory

Limit one B01 per bill of lading

Data Element	Length / Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = B01
Bill of Lading Number	12 AN	4 – 15	M	Must be unique for 3 years. Do not include issuer SCAC as it is contained in the preceding J01 record.
Foreign Port of Lading	5 N	16 – 20	M	CBP Schedule K Code
Quantity	10 N	21 – 30	M	Total number of pieces on bill
Unit of Measure	5 AN	31 – 35	M	Manifest unit - such as CTNS
Weight	10 N	36 – 45	M	Gross wt - only whole numbers
Weight Unit	2 A	46 - 47	M	LB=Pound KG=Kilogram ET=Metric Tons MT=Measurement Ton LT=Long Tons ST=Short Tons
B/L Status Indicator	1 A	48	C	See codes below
Master In-Bond Indicator	1 N	49	C	1=MIB, else blank or 0
House Bill Number	12 X	50 – 61	C	For Future Use
In-bond Entry Type	2 N	62 - 63	C	A code representing the export entry type. This is mandatory if B/L Status Indicator = S or T 62 = Transportation & Exportation (T&E) 63 = Immediate Exportation (IE)

0 or space = Regular Bill  
 1 = Space Charter  
 2 = Empty equipment instruments of international trade  
 3 = See 321 Tariff Act 1930  
 4 = Intangibles  
 5 = Non-Automated Intransit  
 7 = Monthly manifest  
 8 = Goods astray  
 9 = Regular consolidation  
 A = Space charter and consolidation  
 B = Foreign retained on board  
 C = International Mail – Direct Discharge at Mail Facility  
 D = International Mail – In-bond to International Mail Facility  
 E = FROB Cargo Laden in Foreign  
 F = FROB Cargo Laden in Foreign

G = FROB Cargo Laden in Foreign  
 H = FROB Cargo Laden in Foreign  
 I = One entry per C4 code  
 J = One entry per bill of lading  
 K = One entry per unit train  
 M = Master Vessel Operating Carrier (MVOC)  
 M = In-Bond Vessel Operating Carrier  
 N = Non Vessel Operating Carrier (NVOC)  
 O = Master Vessel Operating Carrier – FROB (MVOC-FROB)  
 P = Non Vessel Operating Carrier – FROB (NVOC-FROB)  
 Q = Simple FROB + Importer Security Filing  
 R = House FROB + Importer Security Filing  
 S = House Bill + Importer Security Filing  
 T = Simple Bill + Importer Security Filing

**B02 - BILL OF LADING HEADER 2 RECORD****Mandatory**

To transmit additional manifest and bill of lading data

<b>Data Element</b>	<b>Length/ Class</b>	<b>Position</b>	<b>Status</b>	<b>Notes</b>
Record Type	3 AN	1 - 3	M	Must = B02
Cubic Measure	10 N	4 - 13	O	
Volume Unit	2 A	14 - 15	O	CF=cubic feet CM=cubic meters
Place of Receipt	17 AN	16 – 32	M	A valid city or country name in which the pre-carrier took possession of the cargo. Mandatory if Paperless Manifest Participant
Space Charter BL Reference	12 X	33 – 44	O	Future Use
SCAC - Secondary Notify Party	4 AN	45 – 48	M	If B/L Status Indicator = N
SCAC - Secondary Notify Party	4 AN	49 – 52	O	Must be a CBP certified participant
Prepaid Frieght Charges	10 X	53 – 62	O	
Collect Freight Charges	10 X	63 - 72	O	
Last Foreign Port	5N	73 - 77	M	Last foregin port before the vessel departs for the US. Schedule K Code

## B04 Bill of Lading Header 3 Record

Conditional

To transmit House Bill or Booking Number

Data Element	Length/Class	Position	Status	Notes
Control Identifier	3 AN	1 – 3	M	Must=B04
Qualifier	3 AN	4 – 6	M	Code indicating type of shipment: OB-Ocean Bill of Lading NB-Booking Number OL-Split Bill of Lading
Reference Identifier	30 AN	7 – 36	M	Reference Number: House Bill Number, Booking Number or original Bill of Lading Number associated with Split Bill

## B04 Bill of Lading Header Security Filing

Security Filing

For Security Filings, two B04 records are required to transmit the Foreign Port of Unlading (“CSK”, Census Schedule K Code) and Place of Delivery (“ULC”, UNLOCode)

These Security Filing record segments are required if the B/L Status Indicator in the B01 record are:

- Q = Simple FROB + Importer Security Filing
- R = House FROB + Importer Security Filing
- S = House Bill + Importer Security Filing
- T = Simple Bill + Importer Security Filing

Data Element	Length/Class	Position	Status	Notes
Control Identifier	3 AN	1 – 3	M	Must=B04
Qualifier	3 AN	4 – 6	M	Code indicating type of location: CSK - Foreign Port of Unlading ULC – Place of Delivery
Reference Identifier	30 AN	7 – 36	M	Location code Census Schedule K Code (CSK) UNLOCode (ULC)

**Example:**

B04CSK22507 (*foreign port of unloading – Census Schedule K code*)

B04ULCMATNG (*place of delivery – UL Location Code*)

**S01 - SHIPPER NAME/ADDRESS RECORD****Mandatory**

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = S01
Foreign Shipper Name	35 X	4 - 38	M	
Foreign Shipper Address Line 1	35 X	39 - 73	M	

**S02 - SHIPPER ADDRESS RECORD****Conditional**

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = S02
Foreign Shipper Address Line 2	35 X	4 - 38	O	include country
Foreign Shipper Address Line 3	35 X	39 - 73	O	

**S03 - SHIPPER TELEPHONE/TELEX RECORD****Conditional**

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = S03
Shipper Telephone or Telex Number	35 X	4 - 38	C	Place the word "telex" in front of telex number. For telephone number, insert number only. May also be used for 4th address line.

**U01 - CONSIGNEE NAME/ADDRESS RECORD****Mandatory**

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = U01
Consignee Name	35 X	4 - 38	M	
Consignee Address Line 1	35 X	39 - 73	M	

**U02 - CONSIGNEE ADDRESS RECORD****Conditional**

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = U02
Consignee Address Line 2	35 X	4 - 38	O	include country
Consignee Address Line 3	35 X	39 - 73	O	

**U03 - CONSIGNEE TELEPHONE/TELEX RECORD****Conditional**

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = U03
Consignee Telephone or Telex Number	35 X	4 - 38	C	Place the word "telex" in front of telex number. For telephone number, insert number only. May also be used for 4th address line.

**NOTE:** If Consignee is "To Order" must list the owner's representative. Using "DO" is not accepted by U.S. Customs in the automated environment.

**N00 – Record Identifier (Notify Party)**

Optional

For nomination of up to (6) Second Notify Partys. N00 can be sent 6 times for each SNP

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = N00
Entity ID Code	3 A	4 - 6	O	Must = SNP
Code Qualifier	1N	41-42	O	Must = 2 – Left Justify
SCAC/Firms	4 A	44-47	O	SCAC/Firms of SNP

**N01 - NOTIFY PARTY NAME/ADDRESS RECORD**

Mandatory if no Consignee

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = N01
Notify Party Name	35 X	4 - 38	M	
Notify Party Address Line 1	35 X	39 - 73	M	

**N02 - NOTIFY PARTY ADDRESS RECORD**

Conditional

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = N02
Notify Party Address Line 2	35 X	4 - 38	O	include country
Notify Party Address Line 3	35 X	39 - 73	O	

## N00 – Entity Name Record (Security Filing)

Mandatory if Security Filing

To transmit a party by type of organization, name, and code (i.e. Booking Party and Ship To party). The data must be transmitted exactly as it appears on the bill of lading. The maximum number of times the record may be repeated is 25 times.

Data Element	Length/ Class	Position	Status	Notes
Control Identifier	3AN	1-3	M	Must always equal N00.
Entity ID Code	3AN	4-6	C	A code identifying the type of entity.
Name	35AN	7-41	C	A free form text for name of entity.
Code Qualifier	2AN	42-43	C	If the Entity ID Code data element equals CB, then Code 17 is used in this data element and the ABI Routing Code is placed in the ID code field data element. Other qualifiers are Code 2 = SCAC or FIRMS of SNP (NOTE: The leading numeric 2 must be followed by 1 column of space fill). Future use: Code 9 = DUNS+4, Code F1 = Federal Taxpayers Identification Number.
ID Code	17AN	44-60	C	A code related to preceding Code Qualifier data element. This code is required if the Code Qualifier = DUNS +4 or the ABI Office Routing code or the SCAC or FIRMS code if the qualifier is equal to "2".
Entity Relationship Code	2AN	61-62	C	Not Used. Leave this data element blank.
Entity ID Code	2AN	63-64	C	Not Used. Leave this data element blank.
Filler	16AN	65-80	M	Space fill.

**BKP** Booking Party for Importer Security Filing  
**ST** Ship To (Ship to Name and Address) for Importer Security Filing  
**SNP** Secondary Notify Party

**N02 – Entity Address Record****Conditional**

To transmit lines of the entity's address data.

<b>Data Element</b>	<b>Length/ Class</b>	<b>Position</b>	<b>Status</b>	<b>Notes</b>
Control Identifier	3AN	1-3	M	Must always equal N02
Entity's Address Line 1	35X	4-38	M	The first line of the entity's address. This may be a street address or post office box number.
Entity's Address Line 2	35X	39-73	C	The second line of the entity's address, if available.
Filler	7AN	74-80	M	Space fill.

**N03 – Entity Geographic Area****Conditional**

<b>Data Element</b>	<b>Length/ Class</b>	<b>Position</b>	<b>Status</b>	<b>Notes</b>
Control Identifier	3AN	1-3	M	Must always equal N03.
City Name	19AN	4-22	C	Free form text for the name of the city.
State/Province	2AN	23-24	O	The U.S. postal code for the State/Province.
Postal Code	9AN	25-33	O	A code representing the international postal zone code (ZIP in U.S.).
Country Code	2AN	34-35	O	An ISO code identifying the country of origin. See Appendix G for a listing of valid ISO Country codes.
Filler	45AN	36-80	M	Space fill.

**I01 - IN-BOND RECORD**

**Conditional**

<b>Data Element</b>	<b>Length/ Class</b>	<b>Position</b>	<b>Status</b>	<b>Notes</b>
Record Type	3 AN	1 - 3	M	Must = I01
In-bond Entry type	2 N	4 - 5	M	61 = IT 62 = T&E 63 = IE
FDA Indicator	1A	6	M	Must be either "Y" or "N" to indicate whether or not any of the cargo on this inbond is subject to the Bioterrorism Acto of 2002 reporting requirements. <b>Note: Immediate Exportation (IE) does not require FDA reporting.</b>
In Bond Number	11 AN	7 – 17	C	CBP assigned or carrier assigned if paperless
In-bond Carrier SCAC	4 AN	18 – 21	C	Original in-bond carrier code if different
US Port of Destination	4 N	22 – 25	C	CBP Schedule D
Frgn Port of Destination	5 N	26 – 30	C	CBP Schedule K
Value	8 N	31 – 38	M	In whole dollars*
Bonded Carrier ID #	12 X	39 – 50	M	IRS No. of original bonded carrier, include hyphens

\* If unknown, estimate \$20/kilo.

## C01 - CARGO HEADER RECORD

**Mandatory**

1 per B01 if non-containerized; 1 per container if containerized

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = C01
Container/ Equipment Number	14 AN	4 - 17	M	Indicate NC if non- containerized
Seal # 1	15 AN	18 - 32	M	Valid exporter or carrier seal number
Seal # 2	15 AN	33 - 47	O	Valid exporter or carrier seal number
Container/ Equipment Description Code	2 A	48 - 49	C	See attached Appendix K. Mandatory if Paperless Manifest Participant
Hazmat Indicator	1 A	50	C	Y = Hazmat, else blank
Container/ Equipment Length	5 X	51 - 55	C	Length in feet and inches FFFII. Mandatory if Paperless Manifest Participant
Container/ Equipment Width	8 X	56 -63	C	Shorter measurement of the two horizontal dimensions. Mandatory if Paperless Manifest Participant
Container/ Equipment Height	8 X	64 - 71	C	Vertical dimension. Mandatory if Paperless Manifest Participant
Load/Empty Status Code	1 A	72	O	E=Empty L=Loaded
Container/ Equipment Type	4 AN	73 - 76	C	Code identifying equipment type. Mandatory if Paperless Manifest Participant
Type of Service	2 A	77 - 78	C	BB=Breakbulk see list attached (INP-35). Mandatory if Paperless Manifest Participant

## D00 - ADDITIONAL CARGO DESCRIPTION RECORD

Mandatory

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = D00
Harmonized Number	11 N	4 - 14	C	HTSUSA Code.  Mandatory for type 62 or 63 paperless Master-Inbond  Mandatory for FROB type Bills of Lading with Importer Security Filing. The HTS number must be reported at a minimum of 6-positions
Value	8 N	15 - 22	O	Whole Dollars*
Weight	10 N	23 - 32	C	Net Weight
Weight Unit	2 A	33 - 34	C	LB = pounds KG = kilograms

\*If unknown, estimate \$20/kilo.

Up to 999 D00 records may be sent per C01 record.

## D01 - BILL CARGO DESCRIPTION RECORD

Mandatory

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = D01
Piece Count	10 N	4 - 13	C	Total number of pieces
Description	45 X	14 - 58	M	Description of the cargo. Multiple records may be used. Each D01 must have data in this field.
Manifest Unit Code	3 AN	59 - 61	O	Manifest Unit of Measure - Smallest Package Unit for the bill of lading
Country Code	2 AN	62 - 63	O	Country of origin of the commodity

A piece count is required on the first D01 record. Additional records may or may not have piece counts.

If the record is a continuation of the description for a previous piece count, the piece count should be left blank. If the description pertains to a different piece count, the piece count is required.

Up to 999 D01 records may be sent for each C01 record.

**D02 - MARKS AND NUMBERS RECORD****Mandatory**

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = D02
Marks & Numbers	45 X	4 - 48	M	Description of symbols and marks on outside of packages or NM/NN

Up to 999 D02 records may be sent for each C01 record.

**V01 - HAZARDOUS MATERIAL RECORD****Conditional**

(one V01 per C01 record)

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = V01
Hazardous Material Code	10 X	4 - 13	M	UN ID Number
Hazardous Material Class	4 X	14 - 17	O	IMDG Code
Hazardous Code Qualifier	1 X	18	O	4 = 46 level DOT 6 = Air Tarrif 6D 9 = Fed Title 49 A = Int'l Civil Aviation D = ID DOT E = Endorsement F = Air Force 71-4 I = IMO R = 600-A Rail U = UN
HazMat Description	30 X	19 - 48	O	Proper Shipping Name
HazMat Contact	24 X	49 - 72	O	Name or telephone number of contact
UN HazMat Material Page	6 X	73 - 78	O	Page number in IMDG Code

Up to 99 V01/V02/V03 sets may be sent for each C01 record. A set consists of (1) V01, (1) V02 and (2) V03 records. If sending a V03 record a V01 and V02 must precede it.

## V02 - HAZARDOUS MATERIAL RECORD

Optional

(one V02 per C01 and V01 records)

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = V02
Flashpoint Temperature	3 N	4 - 6	C	
Unit of Measure Code	2 X	7 - 8	C	Temperature Code (CE = Degrees Centigrade)
Negative Flashpoint Indicator	1 A	9	C	N = negative, else blank

## V03 - HAZARDOUS MATERIAL RECORD

Optional

(two V03 records per C01, V01 and V02 records)

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1 - 3	M	Must = V03
HazMat Description	30 X	4 - 33	O	material name, special instructions, phone number, etc.
National Classification	30 X	34 - 63	C	Free form description of hazmat class, div or label required