



Maritime On-Line[®]

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:

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

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 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

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 AN	12-34	M	Mandatory
Voyage Number	5 AN	35-39	M	Must be unique for 5 years
Filler	5 AN	40-44	M	Space fill
Manifest Sequence Number	6 N	45-50	O	Future Use
Filler	1 AN	51	M	Space fill
Vessel (Lloyd's) Code	7 AN	52-58	M	Mandatory
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.

B04 UNIQUE VOYAGE IDENTIFIER

Limit one per initial MVOCC manifest transmission only

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1-3	M	Must=B04
Reference Identifier Qualifier	3 AN	4-6	M	Must=V3 for Unique Voyage Identifier (UVI). Left justify.
Reference Identifier	30 AN	7-36	M	Unique Voyage Identifier for manifest. Must be at least 5 characters and first 4 characters must equal the SCAC code for the vessel operator.

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 Schedule D Code, Appendix E
Scheduled Date of Arrival for this Port	6 N	8-13	M	MMDDYY Format

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**Mandatory**

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, Appendix E
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 AN	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 N	25-34	C	If the action code is R on this record, enter the new bill of lading quantity.
Amendment Code	2 N	35-36	M	A code representing the reason for the amendment of the meanifest record. 03=Clerical Error See Appendix C 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, Appendix F
Quantity	10 N	21-30	M	Total number of pieces on bill
Unit of Measure Code	5 X	31-35	M	Manifest unit code of measure. See Appendix N for valid codes.
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 X	48	C	See codes below
Master In-Bond Indicator	1 X	49	C	1=MIB, else blank or 0

0 or space = Regular Bill

2 = Empty equipment instruments of international trade

B = Regular Bill Foreign Retained on Board (FROB)

M = Master Vessel Operating Common Carrier (MVOCC)

M = In-Bond Vessel Operating Carrier

N = Non Vessel Operating Common Carrier (NVOCC)

O = Master Vessel Operating Common Carrier – FROB (MVOCC-FROB)

P = Non Vessel Operating Common Carrier – FROB (NVOCC-FROB)

Q = Regular Bill FROB + Importer Security Filing

R = House FROB + Importer Security Filing

S = House Bill + Importer Security Filing (where Master BOL is Type 62/63 In-bond)

T = Regular Bill + Importer Security Filing (where in-bond type is 62/63)

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

To transmit additional manifest and bill of lading data

Data Element	Length/ Class	Position	Status	Notes
Record Type	3 AN	1-3	M	Must = B02
Volume	8 N	4-11	C	Shipment's volume. Required if Volume Unit is provided.
Filler	2 AN	12-13	M	Space Fill
Volume Unit	2 A	14-15	C	See Codes Below
Place of Receipt	17 X	16-32	M	A valid city or country name in which the carrier took possession of the cargo destined to the U.S.
Filler	12 AN	33-44	M	Space Fill
SCAC - Secondary Notify Party	4 AN	45-48	C	Mandatory if B/L Status Indicator = N, P, R, and S
SCAC - Secondary Notify Party	4 AN	49-52	O	Must be a CBP authorized to receive status notifications
Prepaid Freight Charges	10 X	53-62	O	
Collect Freight Charges	10 X	63-72	O	
Last Foreign Port	5 N	73-77	M	Last foreign port before the vessel departs for the US. Schedule K Code, Appendix F

BB = Barge
 CC = Cubic Centimeters
 DD = Cord
 CF = Cubic Feet
 CM = Cubic Meters
 FF = 100 Board Feet
 GG = Gallons
 HH = Hundreds of Measurement Tons
 LL = Load
 MM = Cubic Decimeters
 NN = Cubic Inches
 RR = Car
 SS = Measurement Ton
 TT = Container
 UU = Volumetric Unit
 VV = Liter

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 BN-Booking Number OL-Split Bill of Lading
Reference Identifier	30 AN	7-36	M	Reference Number: Master 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.

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 – RECORD IDENTIFIER (Second 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 AN	4-6	M	Must = SNP
Code Qualifier	1 AN	42-43	M	Must = 2 – Left Justify
SCAC/Firms	4 AN	44-47	M	SCAC/Firms of SNP

N00 – ENTITY NAME RECORD

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. The N00/N02/N03 record set may also be used to transmit the Shipper, Consignee and Notify Party in place of the S01/U01/N01 record sets.

Data Element	Length/ Class	Position	Status	Notes
Control Identifier	3AN	1-3	M	Must always equal N00.
Entity ID Code	3AN	4-6	M	A code identifying the type of entity. See codes below.
Name	35AN	7-41	C	A free form text for name of entity.
Code Qualifier	2AN	42-43	C	<p>If the Entity ID Code=CB or SNP, then Code 17 is used in this data field and the ABI Routing Code is placed in the ID Code field.</p> <p>If Entity ID Code=SNP, then Code Qualifier "2" is used in positions 42-43. The leading numeric "2" must be followed by a space. The SCAC or FIRMS of the SNP is placed in the ID Code field (positions 44-60).</p> <p>If positions 4-6, Entity ID Code=ST or BKP (for ISF), Code Qualifier "1" (DUNS) can be used in positions 42-43. The leading numeric "1" must be followed by a space. The DUNS is placed in the ID Code starting in position 44.</p> <p>The Code Qualifier and ID Code should be space filled for all other Entity ID Codes.</p>
ID Code	17AN	44-60	C	A code related to preceding Code Qualifier. This code is required if the Code Qualifier=1 (DUNS), 17 (ABI Office Routing code) or 2 (SCAC or FIRMS code).

- BKP** Booking Party for Importer Security Filing
- CB** Customs Broker
- CN** Consignee
- N1** Notify Party no. 1
- N2** Notify Party no. 2
- SH** Shipper
- 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.

Data Element	Length/ Class	Position	Status	Notes
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.

N03 – ENTITY GEOGRAPHIC AREA**Conditional**

Data Element	Length/ Class	Position	Status	Notes
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.

I01 - IN-BOND RECORD

Conditional

Data Element	Length/ Class	Position	Status	Notes
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. Note: Immediate Exportation (IE) does not require FDA reporting.
In Bond Number	10 AN	7-16	C	CBP assigned or carrier assigned if paperless. Either positions 7-16 or 50-60 must be completed.
In-bond Carrier SCAC	4 AN	17-20	C	Original in-bond carrier code if different
US Port of Destination	4 N	21-24	M	CBP Schedule D, Appendix E
Frgn Port of Destination	5 N	25-29	C	CBP Schedule K, Appendix F
Value	8 N	30-37	M	In whole dollars*
Bonded Carrier ID #	12 X	38-49	M	IRS No. of original bonded carrier, include hyphens
Paperless In-bond Number	11AN	50-60	C	Carrier assigned V in-bond number. Either positions 7-16 or 50-60 must be completed.

* 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 AN	48-49	C	Mandatory unless Container/Equipment Number, positions 4-17 = NC. Code describing type of container. See Appendix I.
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	M	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	Mandatory if Paperless Manifest Participant. See codes below.

BB = Break Bulk
CS = Container Station
CY = Container Yard
HH = House-to-House
HL = Headload or Devanning
HP = House-to-Pier
MD = Mixed Delivery
NC = Non-Containerized
PH = Pier-to-House
PP = Pier-to-Pier
RR = Roll on – Roll off

D00 - ADDITIONAL CARGO DESCRIPTION RECORD

Conditional

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	C	Mandatory for type 62 or 63 paperless Master-Inbond. Whole Dollars*
Weight	10 N	23-32	C	Mandatory for type 62 or 63 paperless Master-Inbond. Net Weight
Weight Unit	2 A	33-34	C	Mandatory for type 62 or 63 paperless Master-Inbond. LB=Pounds ST=Short Ton KG=Kilograms ET=Metric Ton LT=Long Ton MT=Measurement Ton

*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. See Appendix N for valid codes.

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	M	U = UN Other Codes Removed
HazMat Description	30 AN	19-48	O	Proper Shipping Name
HazMat Contact	24 AN	49-72	O	Name or telephone number of contact
UN HazMat Material Page	6 AN	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	M	Lowest temperature at which the vapor of a hazardous liquid will ignite in the air.
Unit of Measure Code	2 A	7-8	M	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 AN	4-33	O	material name, special instructions, phone number, etc.
National Classification	30 AN	34-63	C	Free form description of hazmat class, div or label required