



ICS2 - Release 3

Implementation Guide

D1.3

Mei 2024

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Document change log

| | | | |
|-----------|------------|------------------------------------|--|
| Concept 1 | 16-10-2023 | Marcel Coumans & Marcel Schroër | Draft version |
| D1.0 | 9-11-2023 | Marcel Coumans & Marcel Schroër | <ul style="list-style-type: none">- Itinerary changed from Optional to Mandatory with at least 2 entries- Re-entry indicator added- Estimated departure date added |
| D1.1 | 4-4-2024 | Marcel Coumans & Marcel Schroër | Interface options 3A and 4A corrected to TSR (was TSD) |
| D1.2 | 16-04-2024 | Marcel Coumans & Marcel Schroër | Interface option 2C: added IFTMCS 6.0.2 (704) so carriers can send TSD and TSR with version 6.0.2 |
| D1.3 | 22-05-2024 | Marcel Coumans & Marcel Schroër | Newer version of IFTMCS 5.8.6 and 6.0.2 for reporting PoUS MRN in RFF+ACE with qualifier 825 (T2L) |

Interface options

Depending on the filing type, the type of Bill of Lading (B/L) and the Portbase service you are using, there are the following interface options available.

1. Single filing (Straight B/L)

| | ENS | TS | Interface options |
|----|---------------|-----|---|
| 1A | Single filing | TSD | <ul style="list-style-type: none">• 1x API POST Send a straight bill of lading for single filing (IE3F10) or• 1x IFTMCS 6.0.2 (712) |
| 1B | - | TSD | <ul style="list-style-type: none">• 1x API POST Send an import declaration for usage in a temporary storage declaration to Dutch Customs (TSD) or• 1x IFTMCS 6.0.2 (712) |
| 1C | - | TSR | <ul style="list-style-type: none">• 1x API POST Send an import declaration for usage in a temporary storage declaration reuse to Dutch Customs (TSR) or• 1x IFTMCS 5.8.6 (707) |

2. Single filing (Master B/L + House B/L)

| | ENS | TS | Interface options |
|----|---------------|-----|--|
| 2A | Single filing | TSD | <ul style="list-style-type: none">• 1x API POST Send a master bill of lading for single filing (IE3F11) or• 1x IFTMCS 6.0.2 (704) + 1 or more IFTMCS 6.0.2 (714) |
| 2B | - | TSD | <ul style="list-style-type: none">• 1x API POST Send an import declaration for usage in a temporary storage declaration to Dutch Customs (TSD) or• 1x IFTMCS 6.0.2 (704) + 1 or more IFTMCS 6.0.2 (714) |
| 2C | - | TSR | <ul style="list-style-type: none">• 1x API POST Send an import declaration for usage in a temporary storage declaration reuse to Dutch Customs (TSR) or• 1x IFTMCS 6.0.2 (704) or• 1x IFTMCS 5.8.6 (707) |

3. Multiple filing (Straight B/L only)

| | ENS | TS | Interface options |
|----|-----------------|-----|---|
| 3A | Multiple filing | TSR | <ul style="list-style-type: none">• 1x API POST Send a straight bill of lading for multiple filing (IE3F13) or• 1x IFTMCS 6.0.2 (712) |
| 3B | - | TSR | <ul style="list-style-type: none">• 1x API POST Send an import declaration for usage in a temporary storage declaration reuse to Dutch Customs (TSR) or• 1x IFTMCS 5.8.6 (707) |

4. Multiple filing (Master B/L only)

| | ENS | TS | Interface options |
|----|-----------------|-----|---|
| 4A | Multiple filing | TSR | <ul style="list-style-type: none">• 1x API POST Send a master bill of lading for multiple filing (IE3F12) or• 1x IFTMCS 6.0.2 (704) |
| 4B | - | TSR | <ul style="list-style-type: none">• 1x API POST Send an import declaration for usage in a temporary storage declaration reuse to Dutch Customs (TSR) or• 1x IFTMCS 5.8.6 (707) |



API

Methods

You can find the methods on the API endpoints using the following URL:

<https://portvisit.pcs.portbase.com/api-documentation/index.html#tag/Consignments-API>

Tracking API

You can listen in real-time to all consignment updates. In order to achieve real-time updates, the API uses long polling. When you send the API request to /listen, you will immediately receive any vessel visit update that has happened since your previous call, up to the number configured with the maxSize attribute. If no updates have happened since your previous call, the API request will not return immediately. The request will return when a new update has become available or when the maxTimeout is reached. After the API response has returned, and the client has finished processing the updates, you should call the /updatePosition API. Then you will be able to call /listen again for the next update batch. With this setup, you will receive updates as fast as you can process them.

Default call order:

- Call /listen
- Call /updatePosition (even if the /listen response was empty)
- Keep repeating 1 and 2
- When done, call /disconnectClient

More details on how to correctly use this endpoint can be found in the descriptions of the request and response models.

<https://portvisit.pcs.portbase.com/api-documentation/index.html#tag/Tracking-API>

Changelog IFTMCS 6.0.2

All the changes required in the IFTMCS to meet the ICS2 requirements are listed below. These changes have been implemented in the new version 6.0.2.

Message header (CHANGED)

UNH (Required)

The version is changed from PBS20 to PBS30.

Example

UNH+3747700003+IFTMCS:D:00B:UN:PBS30'

Indication of B/L type (CHANGED)

BGM (Required)

The qualifier '707 - Bill of lading copy' will be replaced by:

- 704 - Master bill of lading
- 712 - Non-negotiable maritime transport document (Straight bill of lading
- 714 - House bill of lading

Example

BGM+704+4112814530NL IC2023101106313200+9' (Master)

BGM+714+4112814530NL IC2023101106313200+9' (House)

Re-entry indicator (NEW)

FTX (Conditional)

In case of a split consignment it must refer to the original consignment. The master reference number of the original consignment must be used in this case.

Qualifier

- REI – Re-entry Indicator

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/reEntryIndicator
- 712: not applicable
- 714: CIS/reEntryIndicator

Example

FTX+REI'

Count (NEW)

CNT (Conditional)

A control number that indicates how many House B/Ls will follow. This is needed to ensure that Portbase can consolidate the master B/L and house B/L(s) into 1 ENS and/or TSD. This segment is only needed in case of a single filing Master B/L. In case of multiple filing, this segment must not be used.

Qualifier

- 10 - total number of house consignments

Example

CNT+10:2'

Itinerary (NEW)

LOC <Group 1> (Mandatory)

Identification in a chronological order of the countries through which the means of transport is routed between the country of original departure and final destination. This means that the list should include at least the country of the original departure and final destination.

Qualifier

- 25 - Country

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/BorderTransportMeans/Itinerary
- 712: CIS/BorderTransportMeans/Itinerary
- 714: CIS/Consignment/HouseConsignment/Itinerary

Example

LOC+25+US'

Payment method for transport charges (CHANGED)

TOD <Group 2> (Required)

The list of values is changed. Possible values are:

- XA - Payment in cash
- XB - Payment by credit card
- XC - Payment by cheque
- XD - Other
- XH - Electronic funds transfer
- XY - Account holder with carrier
- XZ - Not pre-paid

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/Freight/paymentMethod
- 712: CIS/Consignment/HouseConsignment/Freight/paymentMethod
- 714: CIS/Consignment/HouseConsignment/Freight/paymentMethod

Example

TOD++XH'

Transport contract document (CHANGED)

RFF <Group 3> (Required)

Reference to transport contract document

- 704: 1x RFF <Group 3> with qualifier 'MB - Master bill of lading number'

- 712: 1x RFF <Group 3> with qualifier 'MB - Master bill of lading number'
1x RFF <Group 3> with qualifier 'BH - House bill of lading number'
- 714: 1x RFF <Group 3> with qualifier 'AEX - Straight bill of lading number'

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/TransportContractDocument
- 712: CIS/Consignment/HouseConsignment/TransportContractDocument
- 714: CIS/Consignment/TransportContractDocument

Example

RFF+MB:OOLU4112814999'

RFF+MH:OBL4112814888'

Trader assigned reference (NEW)

RFF <Group 3> (Optional)

Reference to trader assigned reference to the shipment.

This entry concerns the unique commercial reference number assigned by the person concerned to the consignment in question. It may take the form of WCO (ISO 15459) codes or equivalent. It provides access to underlying commercial data of interest to customs.

This entry may be used for the indication of the transaction identifier (such as the reference to the purchase contract), if the goods are declared for release for free circulation under the special scheme for distance sales of goods imported from third countries and territories set out in Title XII Chapter 6 Section 4 of Directive 2006/112/EC

Qualifier

- UCN - Unique consignment reference number

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/UCR/traderAssignedReference
- 712: CIS/Consignment/HouseConsignment/UCR/traderAssignedReference
- 714: CIS/Consignment/HouseConsignment/UCR/traderAssignedReference

Example

RFF+UCN:REF12345678'

Split consignment (NEW)

RFF <Group 3> (Conditional)

In case of a split consignment it must refer to the original consignment. The master reference number of the original consignment must be used in this case.

Qualifier

- SCI - Split consignment

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/SplitConsignment/previousMasterReferenceNumber
- 712: not applicable

- 714: CIS/SplitConsignment/previousMasterReferenceNumber

Example

RFF+SCI:23DE48515990359999'

Vessel Identification (CHANGED)

TDT <Group 8> (Required)

The transport identification (IMO number) was optional, but is now required.

- 704: Required
- 712: not used
- 714: Required

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/BorderTransportMeans/identification
- 712: not applicable
- 714: CIS/BorderTransportMeans/identification

Example

TDT+20+LL6 1260-004+1++OOLU+++9893993:::EVER ATOP:SG's

Estimated departure date (NEW)

DTM <Group 8> <Group 9> (Conditional)

When, from the place of loading, the actual departure time has not been filled, the estimated departure time should be reported.

Qualifier

- 133 – Departure date/time, estimated

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/BorderTransportMeans/estimatedDepartureDateTime
- 712: not applicable
- 714: CIS/BorderTransportMeans/estimatedDepartureDateTime

Example

DTM+133:20231017:102'

Passive means of transport (NEW)

TDT <Group 8> (Optional)

The type and identification of the passive means of transport. In the case of combined transportation, enter the identity of the passive means of transport that is being transported by the active means of transport. For example, in the case of a lorry on a sea-going vessel, the passive means of transport is the lorry. In that case the vehicle registration number must be reported.

Qualifier

- PBT - Passive border transport means

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: not applicable
- 712: CIS/Consignment/HouseConsignment/PassiveTransportMeans
- 714: CIS/Consignment/HouseConsignment/PassiveTransportMeans

Example

TDT+PBT+++310++++30:::R047KR:NL'

Buyer (NEW)

NAD <Group 11> (Conditional)

The buyer is the last known entity to whom the goods are sold or agreed to be sold. If the goods are to be imported otherwise than in pursuance of a purchase, the details of the owner of the goods shall be provided.

- 704: not used
- 712: Conditional. Required when Place of delivery is within EU
- 714: Conditional. Required when Place of delivery is within EU

Qualifier

- BY - Buyer

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: not applicable
- 712: CIS/Consignment/HouseConsignment/GoodsShipment/Buyer
- 714: CIS/Consignment/HouseConsignment/GoodsShipment/Buyer

Example

NAD+BY+++OOCL LOGISTICS (EUROPE) LTD - ROTTE+ROTTERDAM BRANCH WEENA ZUID 134 - 6+ROTTERDAM++3012 NC+NL'

Seller (NEW)

NAD <Group 11> (Conditional)

The seller is the last known entity by whom the goods are sold or agreed to be sold to the buyer. If the goods are to be imported otherwise than in pursuance of a purchase, the details of the owner of the goods shall be provided.

- 704: not used
- 712: Conditional. Required when Place of delivery is within EU
- 714: Conditional. Required when Place of delivery is within EU

Qualifier

- SE - Seller

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: not applicable
- 712: CIS/Consignment/HouseConsignment/GoodsShipment/Buyer
- 714: CIS/Consignment/HouseConsignment/GoodsShipment/Buyer

Example

NAD+SE+++OOCL LOGISTICS (EUROPE) LTD - ROTTE+ROTTERDAM BRANCH WEENA ZUID 134 -
6+ROTTERDAM++3012 NC+NL'

AEO Mutual Recognition Parties (NEW)

NAD <Group 11> (Optional)

Additional supply chain actors can be indicated here in order to demonstrate that the entire supply chain was covered by the economic operators holders of the AEO status. If this data class is used Role and Identification number shall be provided, else this data element is optional.

- 704: used
- 712: used
- 714: used

Qualifier

- CS - Consolidator
- FW - Freight Forwarder
- MF - Manufacturer of Goods

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/AEOMutualRecognitionParty
- 712: CIS/Consignment/HouseConsignment/AEOMutualRecognitionParty
- 714: CIS/Consignment/HouseConsignment/AEOMutualRecognitionParty

Example

NAD+CS+GB987654312000'

Supplementary Declarant (NEW)

NAD <Group 11> (Conditional)

The EORI of the party who submits the filing of the house bill of lading(s).

- 704: Conditional. Required in case of multiple filing
- 712: not used
- 714: Conditional. Required in case of multiple filing

Qualifier

- DT - Declarant

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/SupplementaryDeclarant
- 712: not applicable
- 714: CIS/Consignment/SupplementaryDeclarant

Example

NAD+DT+GB987654232888'

Commodity HS Code (CHANGED)

PIA <Group 18> (Required)

The Harmonized System sub-heading code is required. The length of the HS code should now be at least 6 characters instead of 4. Was optional and is now required.

- 704: Required
- 712: Required
- 714: Required

Qualifier

- 5 - Product Identification

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/ConsignmentItem/Commodity/Commodity code/Harmonized System sub-heading code
- 712: CIS/Consignment/HouseConsignment/ConsignmentItem/Commodity/Commodity code/Harmonized System sub-heading code
- 714: CIS/Consignment/HouseConsignment/ConsignmentItem/Commodity/Commodity code/Harmonized System sub-heading code

Example

PIA+5+392323:HS'

Commodity CusCode (NEW)

PIA <Group 18> (Optional)

The Customs Union and Statistics (CUS) number is the identifier assigned within the European Customs Inventory of Chemical Substances (ECICS) to mainly chemical substances and preparations. The declarant may provide this code on a voluntary basis where no measure laid down in Union legislation as published in TARIC exists for the goods concerned, i.e. where providing this code would represent a lesser burden than a full textual description of the product.

Where the goods concerned are subject to a measure laid down in Union legislation as published in TARIC in relation with a CUS code, the code CUS shall be provided.

Qualifier

- 12 - Alternate Product Identification

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/ConsignmentItem/Commodity/cusCode
- 712: CIS/Consignment/HouseConsignment/ConsignmentItem/Commodity/cusCode
- 714: CIS/Consignment/HouseConsignment/ConsignmentItem/Commodity/cusCode

Example

PIA+12+1234567.8:CV'

AEO Mutual Recognition Parties (NEW)

NAD <Group 19> (Optional)

Additional supply chain actors can be indicated here in order to demonstrate that the entire supply chain was covered by the economic operators holders of the AEO status. If this data class is used Role and Identification number shall be provided, else this data element is optional.

- 704: used
- 712: used
- 714: used

Qualifier

- CS - Consolidator
- FW - Freight Forwarder
- MF - Manufacturer of Goods

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/ConsignmentItem/AEOMutualRecognitionParty
- 712: CIS/Consignment/HouseConsignment/ConsignmentItem/AEOMutualRecognitionParty
- 714: CIS/Consignment/HouseConsignment/ConsignmentItem/AEOMutualRecognitionParty

Example

NAD+FW+GB987654312555'

Related document code (CHANGED)

RFF <Group 35> (Optional)

Code 825 for T2L(F) is added

Equipment supplier code (CHANGED)

EQD <Group 36> (Required)

The equipment supplier code was optional, but is now required

- 704: Required
- 712: Required
- 714: Required

Reference to XPath in Fxx as published at circabc.europa.eu

- 704: CIS/Consignment/TransportEquipment/supplierPartyType
- 712: CIS/Consignment/HouseConsignment/ConsignmentItem/TransportEquipment/supplierPartyType
- 714: CIS/Consignment/HouseConsignment/ConsignmentItem/TransportEquipment/supplierPartyType

Example

EQD+CN+OOCU4917909+42G1+2++5'

Complete example IFTMCS 6.0.2

Master B/L

UNA:+.?'
UNB+UNOC:3+OOCLES+NLRTMPCS+231011:1434+37477'
UNH+3747700003+IFTMCS:D:00B:UN:PBS30'
BGM+704+4112814530NL IC2023101106313200+9'
TSR+27+0'
MOA+39:1200.00:EUR'
CNT+7:6980.55:KGM'
CNT+10:1'
LOC+7+:::ROTTERDAM'
LOC+88+:::ISTANBUL'
LOC+25+US'
LOC+25+NL'
LOC+25+DE'
TOD++XH'
RFF+MB:OOLU4112814999/1'
RFF+MRN:23DE48515990357814'
RFF+UCN:REF12345678'
RFF+SCI:23DE48515990359999'
TDT+20+LL6 1260-004+1++OOLU+++9893993:::EVER ATOP:SG'
LOC+11+NLRTM+2327:::EUROMAX TERMINAL'
DTM+132:20231017:102'
LOC+9+DEHAM'
DTM+186:20231016:102'
LOC+82+TRIST'
RFF+ATZ:NLRTM23024072'
RFF+VM:9V7624'
NAD+MS+NL50481234+AGENT (BENELUX) NV:WEENA 954:3000 CN ROTTERDAM'
NAD+CG+NL50481234+AGENT (BENELUX) NV:WEENA 954:3000 CN ROTTERDAM'
NAD+CZ+++LOJISTIK HIZMETLERI VE TICARET+VE TICARET AS ESENTEPE MAH. BUYUKDE+ISTANBUL++N/A+TR'
NAD+CN+++AGENT LTD - ROTTE+ROTTERDAM BRANCH WEENA OOST 123 - 6+ROTTERDAM++1234 NC+NL'
NAD+N1+++LOGISTICS LTD - ROTTE+ROTTERDAM BRANCH WEENA OOST 123 - 6+ROTTERDAM++3012 NC+NL'
NAD+CS+GB987654312000'
GID+1+378:BX'
PIA+5+392323:HS'
PIA+12+1234567.8:CV'
FTX+AAA+++PLASTIC DECORATIVE STORAGE BOXES'
MEA+AAE+G+KGM:3439.80'
PCI++N/M'
SGP+OOCU5024217+378'
RFF+ACE:24LTLU9000C00036P9:825'
GID+2+801:BX'
PIA+5+392366:HS'
PIA+12+1234566.6:CV'
FTX+AAA+++PLASTIC DECORATIVE STORAGE BOXES'
NAD+FW+GB987654312555'
MEA+AAE+G+KGM:3540.75'
PCI++N/M'
SGP+OOCU4917909+801'
EQD+CN+OOCU4917909+42G1+2++5'
SEL+OOLJFP4676+AB'
EQD+CN+OOCU5024217+42G1+2++5'
SEL+OOLJFP4677+AB'
UNT+40+3747700003'
UNZ+1+37477'

House B/L

UNA:+.? '
UNB+UNOC:3+OOCLES+NLRTMPCS+231011:1434+37477'
UNH+3747700003+IFTMCS:D:00B:UN:PBS30'
BGM+714+4112814530NL IC2023101106313200+9'
TSR+27+0'
MOA+39:1200.00:EUR'
CNT+7:6980.55:KGM'
LOC+7+:::ROTTERDAM'
LOC+88+:::ISTANBUL'
LOC+25+US'
LOC+25+NL'
LOC+25+DE'
TOD++XH'
RFF+MB:OOLU4112814999/1'
RFF+MH:OBL4112814888'
RFF+UCN:REF12345678'
TDT+PBT+++310+++30:::R047KR:NL'
LOC+11+NLRTM+2327:::EUROMAX TERMINAL'
DTM+132:20231017:102'
LOC+9+DEHAM'
DTM+186:20231016:102'
LOC+82+TRIST'
RFF+ATZ:NLRTM23024072'
RFF+VM:9V7624'
NAD+MS+NL50485601+OOCL (BENELUX) NV:WEENA 954:3012 CN ROTTERDAM'
NAD+CG+NL50485601+OOCL (BENELUX) NV:WEENA 954:3012 CN ROTTERDAM'
NAD+CZ+++OOCL LOJISTIK HIZMETLERI VE TICARET+VE TICARET AS ESENTEPE MAH. BUYUKDE+ISTANBUL++N/A+TR'
NAD+CN+++AGENT LTD - ROTTE+ROTTERDAM BRANCH WEENA OOST 123 - 6+ROTTERDAM++1234 NC+NL'
NAD+N1+++NOTIFIED PARTY LTD - ROTTE+ROTTERDAM BRANCH WEENA OOST 123 - 6+ROTTERDAM++3012 NC+NL'
NAD+BY+++SOME BUYER LTD+ROTTERDAM ZUID 123 - 6+ROTTERDAM++3012 NC+NL'
NAD+SE+++SOME SELLER LTD+Park Avenue 2+NEW YORK++3012 NC+US'
NAD+CS+GB987654312000'
GID+1+378:BX'
PIA+5+392323:HS'
PIA+12+1234567.8:CV'
FTX+AAA+++PLASTIC DECORATIVE STORAGE BOXES'
MEA+AAE+G+KGM:3439.80'
PCI++N/M'
SGP+OOCU5024217+378'
GID+2+801:BX'
PIA+5+392366:HS'
PIA+12+1234566.6:CV'
FTX+AAA+++PLASTIC DECORATIVE STORAGE BOXES'
NAD+FW+GB987654312555'
MEA+AAE+G+KGM:3540.75'
PCI++N/M'
SGP+OOCU4917909+801'
EQD+CN+OOCU4917909+42G1+2++5'
SEL+OOLJFP4676+AB'
EQD+CN+OOCU5024217+42G1+2++5'
SEL+OOLJFP4677+AB'
UNT+40+3747700003'
UNZ+1+37477'