

ICS (Import Control System) - 2

Guiding Document and Process Flow

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1. What is ICS2?

ICS (Import Control System) 2 is a large-scale EU information system supporting processes like lodging of ENS (advanced security information), Arrival Notification to Customs and safety + security risk assessment by Customs. It is replacing the already existing ICS1.

Aim of ICS2 is to safeguard a better protection of EU citizens and the internal market from security and safety threats, to identify high-risk shipments better and intervene at the best possible moment and to simplify the exchange of information between economic operators and EU customs authorities.
(Source: European Commission)

2. Legal Background and Details

Goods **entering, transiting (FROB) or transhipping** the customs territory of the Union must be covered by an **Entry Summary Declaration** before the means of transport enter the Union, regardless of their destination.

The Entry Summary Declaration contains **all the data elements necessary** for the cargo risk assessment for **security and safety** purposes and allows customs authorities to perform **risk analysis** and ensure that goods constituting a security or safety risk are either not loaded or **controlled** when entering the customs territory of the Union.

2.1 Entry Summary Declaration (ENS)

The **ENS** is **electronically** lodged in the **Import Control System 2 (ICS2)**, and it applies to **all goods entering, transiting or transhipped** in the customs territory of the Union.

Please also note that ICS2 is not only relevant for cargo imported into the EU but also covering EU origin cargo which is on board the vessel during a port call outside the EU.

2.2 Who can lodge an ENS

Generally, the vessel operator bringing the goods into the customs territory of the European Union is obliged to lodge an ENS.

In case of vessel sharing agreements such as The Alliance or Gemini or other long term contractual agreements, the B/L issuing ocean carrier is responsible for the timely electronic transmission of the ENS. However, with regards to upcoming new requirements under ICS2, when the maritime carrier does not have all legally required particulars of the ENS because its customer did not share them, those elements are to be filed by the person who holds them.

The **person filing** should be identified with an **Economic Operator Registration and Identification (EORI)** number that must be included in the ENS.

2.3 Where is an ENS lodged

The ENS shall be lodged at the **customs office of first entry (COFE)** within a specific time-limit, before the goods are brought into the customs territory of the Union.

2.4 When is an ENS lodged

The ENS shall be lodged at the customs office of first entry **within a specific time-limit**, before the goods are brought into the customs territory of the Union.

Where the goods are brought into the customs territory of the Union **by sea**, the ENS shall be lodged:

a) At the latest two hours before the arrival of the vessel at the first port of entry into the Union in case of goods coming from Greenland, Faeroe Islands, Iceland, ports on the Baltic Sea, Black Sea, Mediterranean Sea or Morocco.

b) The same two hours apply in cases where the goods are coming from other third country territories and enter the customs territory of the Union, the French overseas departments, the Azores, Madeira or the Canary Islands and the duration of the vessel's journey is less than 24 hours;

c) At the latest four hours before the arrival of the vessel for bulk cargo in other cases than a) or b) above.

d) For containerized cargo in other cases than a) and b) 24 hours before the goods are loaded onto the vessel which will bring them into the customs territory of the Union.

3. Countries covered in ICS2 regulations

European Union Members, Switzerland, Norway and Northern Ireland. ICS2 is not applicable for UK. UK has different customs regulations.

1. Main phases of the ICS2 processes

There are **three main phases** of the ICS2 processes for maritime and inland waterways operations:

1. the **lodgement of ENS** prior to the arrival of the cargo or prior to loading for the case of deep-sea containerised cargo within the legal timeline. Customs assess these data and carry out safety and security risk analysis. Referrals might be sent to request additional information or request for amendment; or in case of containers for the deep sea maritime traffic Do Not Load request might be issued as a result of the risk analysis;
2. the **arrival of means of transport**, in which the arrival notification is lodged to the customs office of first entry;
3. the **presentation of goods**, in which the person presenting the goods needs to lodge a presentation notification in the national presentation system of the country where the goods are presented.

2. New Data elements require for ICS2

- a. Six-digit HS code plus accurate and complete cargo description
- b. EORI (*Economic Operators Registration and Identification Number*) of the Consignee established in the EU (if an EORI was assigned to this party),
- c. CUS code for harmless and DG chemicals (if included in ECICS/ European Customs Inventory of Chemical Substances)
- d. UCR (*Uniform Consignment reference*) number (if available)
- e. House level data such as shipper + consignee of house B(s)/L and their EORI if it has been assigned, place of acceptance, place of delivery, packaging, seal no., UN no. if DG, gross weight excl. container tare
- f. Buyer/seller name, address & EORI if cargo is destined to the EU
- g. In case the customer does not want to share house level and/or buyer/seller data with us we require the EORI number of the supplementary declarant / party filing the data with customs

3. What is not changing compared to ICS1

a. Scope: All goods brought into the customs territory of the EU, regardless of their destination must be covered by an ENS. I.e., all cargo discharged in an EU port (incl. transshipment cargo) + FROB cargo. EU goods are included in the scope if they were on board the vessel during a port call outside the EU.

b. Filing deadlines: At least 24 hours before loading in each non-EU load port

c. Arrival Notification: 1st EU port of entry will still require an AN with entry key data from the vessel operator

4. Different shipment scenarios and filing responsibility

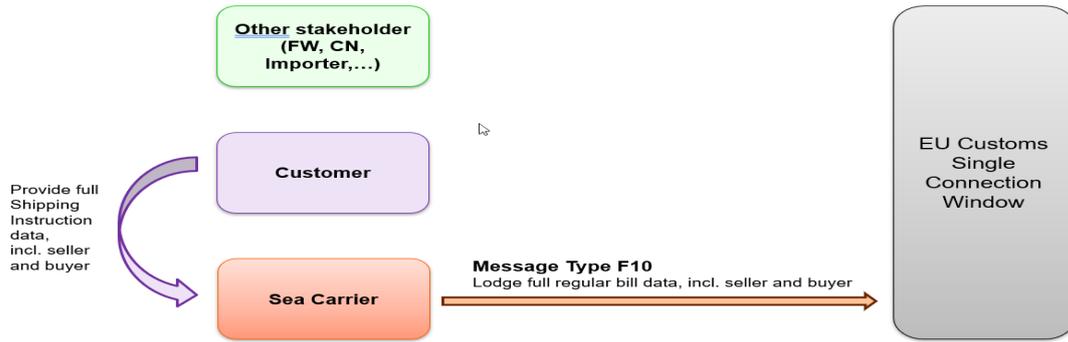
Summary:

Sr. No.	Shipment Scenario	Customs Filing Responsibility with data elements		
		Hapag Lloyd	Customer (Export)	Customer (Import)
1	Straight BL (Customer provides SI incl. Seller & Buyer)	Yes (BL + SE & BU)	-	-
2(a)	Straight BL (Customer provides SI without Seller & Buyer)	Yes (BL)	Yes (SE & BU)	-
2(b)	Straight BL (Customer provides SI without Seller & Buyer)	Yes (BL)	-	Yes (SE & BU)
3	Non-Self filer (Customer provides SI incl. Seller & Buyer + HBL)	Yes (BL + SE & BU + HBL)	-	-
4(a)	Self-filer (Customer provides SI & self-filer EORI, without Seller & Buyer)	Yes (BL) + update EORI #	Yes (SE & BU incl. HBL)	-
4(b)	Self-filer (Customer provides SI & self-filer EORI, without Seller & Buyer)	Yes (BL) + update EORI #	Yes (SE & BU and HBL separately)	-
4(C)	Self-filer (Customer provides SI & self-filer EORI, without Seller & Buyer)	Yes (BL) + update EORI #	Yes (HBL)	Yes (SE & BU)
4(d)	Self-filer (Customer provides SI, self-filer EORI & HBL, without Seller & Buyer)	Yes (BL) + update EORI # + HBL	Yes (SE & BU) *	Yes (SE & BU) *

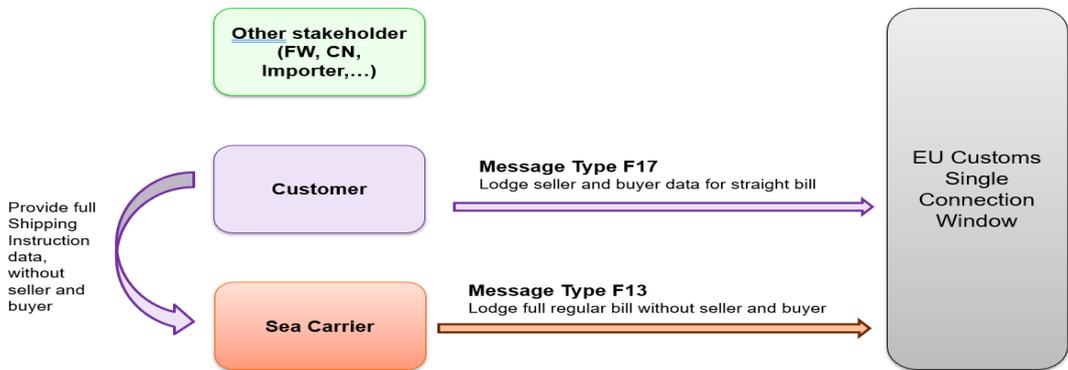
* Seller and Buyer details will be filed either at export or import side by customer. SE= Seller & BU= Buyer

Detailed illustration of all the scenarios:

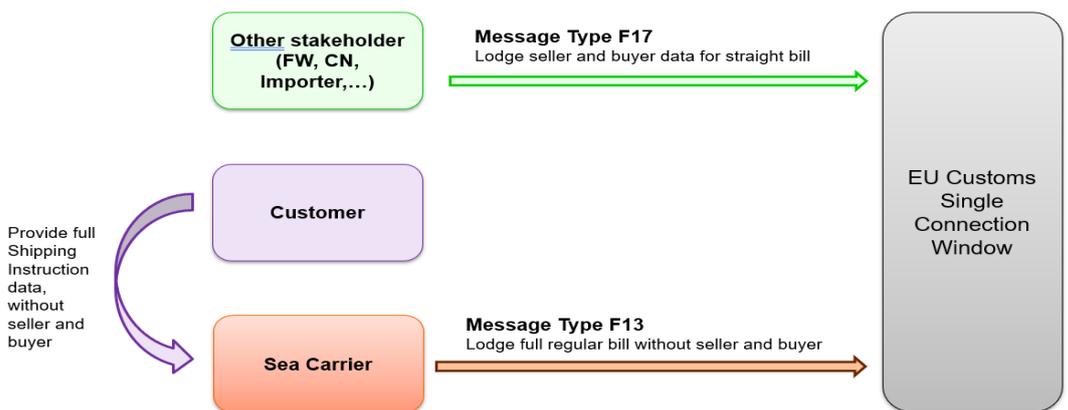
Scenario 1: Straight bill, fully lodged by carrier



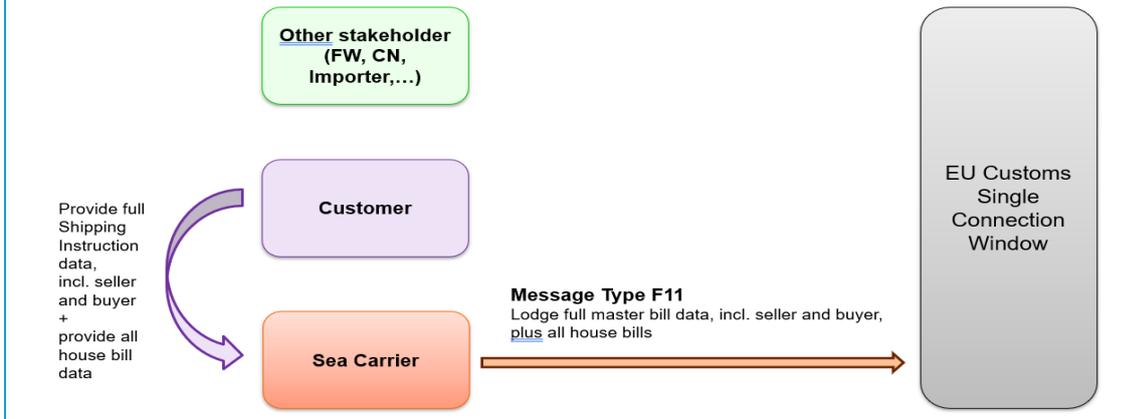
Scenario 2a: Straight bill lodged by carrier, without buyer and seller



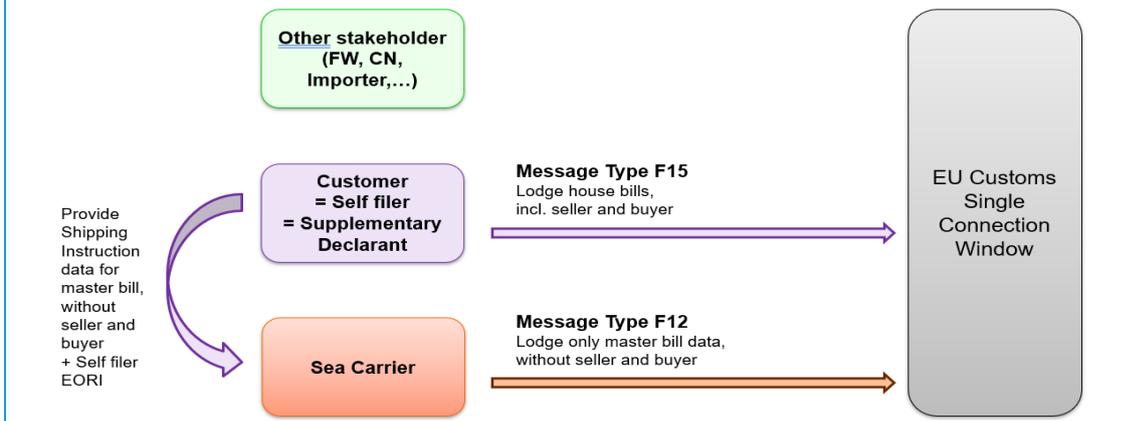
Scenario 2b: Straight bill lodged by carrier, without buyer and seller



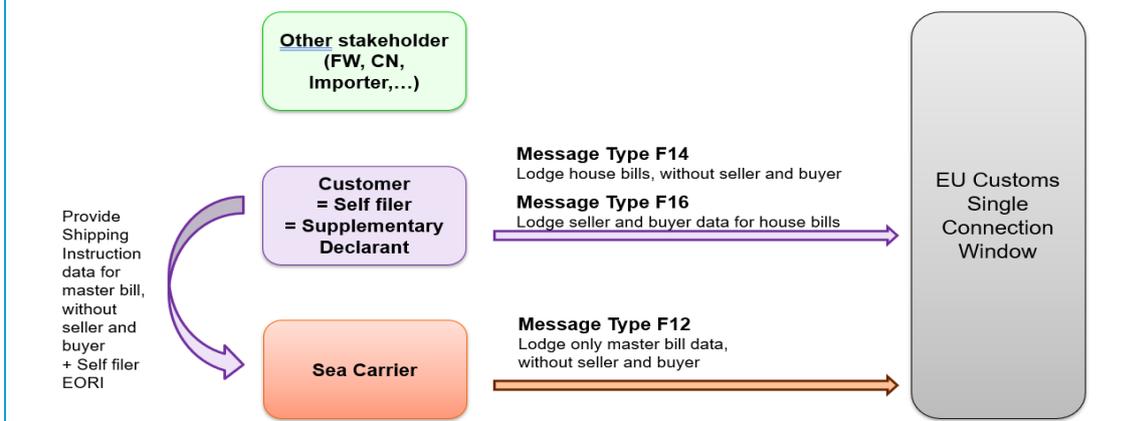
Scenario 3: Master bill plus house bills, fully lodged by carrier



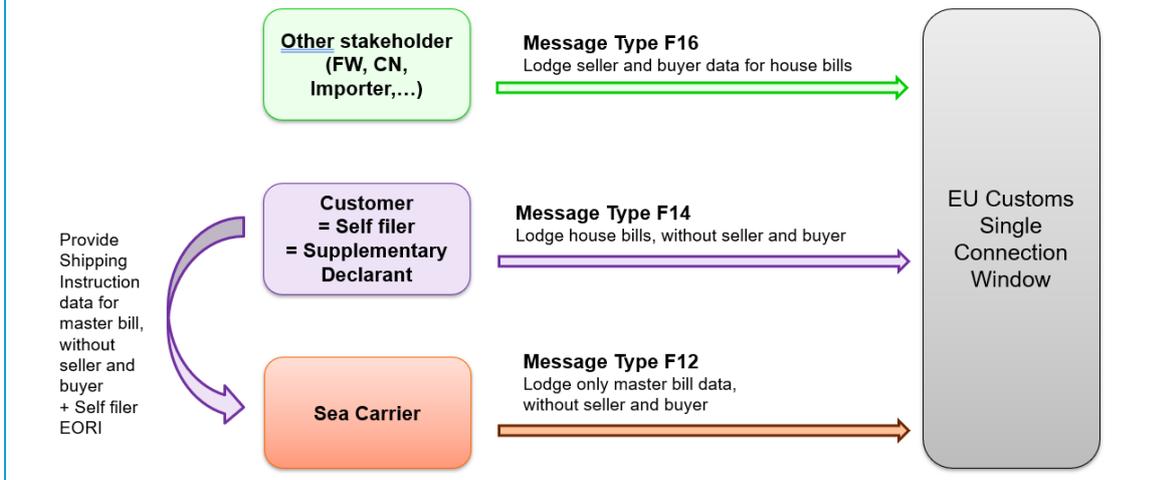
Scenario 4a: Only master bill lodged by carrier, without seller and buyer



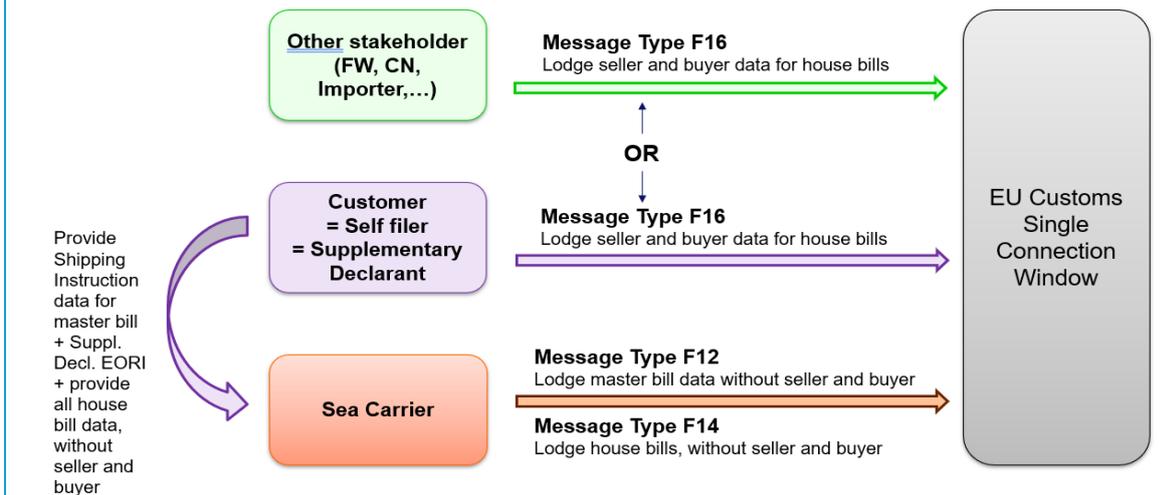
Scenario 4b: Only master bill lodged by carrier, without seller and buyer



Scenario 4c: Only master bill lodged by carrier, without seller and buyer



Scenario 4d: Master and house bills lodged by carrier, without seller and buyer



5. Details of new fields in FIS

Screen Number	Field Details	Type	Requirement Details
D1000 - TPF	SE – Seller	Mandatory	Mandatory if cu wants carrier to file it. Seller and Buyer data is not needed if final destination is outside EU (either FROB cargo, or only transhipped in EU)
	BU – Buyer	Mandatory	

D4100 (Customs reference)	ECICS CODE FOR CHEMICAL SUBSTANC (Cargo Level)	Conditional	If Cargo is chemical. Not all chemicals would have CUS / ECICS code. It's ok to keep this field blank if customer says no CUS / ECICS code
	CONSOLIDATOR EORI NO	Optional	Mandatory to submit to the customs if provided by the customer
	MANUFACTURER EORI NO	Optional	
	SELFFILER CODE (EORI NO)	Conditional	If customer is going to file house bills on his own.
	SUPL DECLARANT OF SE AND BU	Conditional	If there are no house bills, or HL files the house bills, but the customer will file seller and buyer data on his own
	UNIFORM(Unique) CONSIGNMENT REFERENCE	Optional	Mandatory to submit to the customs if provided by the customer
	WAREHOUSE KEEPER EORI NO	Optional	

Format of the EORI and ECICS number

The EORI number consists of:

- A country code of the issuing Member State (2 letters); followed by
- An identifier that is unique in the Member State (up to 15 alphanumeric characters)

The ECICS code consists of 8 digits

Seller and Buyer in D1000 – TPF Party functions

The screenshot displays the 'Doc Party Functions' application. At the top, there's a 'Missing TPF' section with 'EP P.' and a 'Print Additional Notices' button. Below is a table with the following data:

Code	*Matchcode	Locode	Linked	Edited	PP	PC
IS	HAPAGL	371	CNSGH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BU	DUMMY	1	XXXXZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CN	DUMMY	1	XXXXZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NL	DUMMY	1	XXXXZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SE	DUMMY	1	XXXXZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SH	HUNICO	9	CNSNZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The 'SELLER (SE)' dialog box is open, showing the following details:

- SE DUMMY 1 XXXXZ Edited
- SE DUMMY COMPANY LTD.
- ADDRESS LINE 1
- CITY
- 123456
- COUNTRY
- Locode: [] Postal Code: []
- EORI No: ESB32218356
- Tax Id: TAXID1 SLO030415G77 Customs Relevant
- Tel. Contact: 123 4567890

Various fields in D4100 (Customs Reference)

D CUSTOMS REFERENCES (HLCUBSC240900054 FIS)

SEARCH

By Shipment **By Document** By Voyage

Document Number: HLCUBSC240900054

Customs System: Declaration Type: Customs Procedure Type: Reference Type:

SCOPES: Shipment Document Container Cargo Item

MONITORING OPTIONS: Existing Missing Mandatory Permitted

DISPLAY MODE: Editable Read Only

Cust. Syst.	Declaration Type	Proc. Type	Reference Type	Scope	Abbreviation	Assigned To	Assignment Details	Reference Value
ES NUEVO	CARGO IMPORT	HL	3RD PARTY ENS REFERENCE NUMBER	DC	3RD ENS	HLCUBSC240900054		
ES NUEVO	CARGO IMPORT	HL	FORCE CONSOLID. TO ONE PARTIDA	DC	FORCE1PART	HLCUBSC240900054		
EU AIS	CARGO IMPORT	HL	CONSOLIDATOR EORI NO	DC	CONS EORI	HLCUBSC240900054		
EU AIS	CARGO IMPORT	HL	MANUFACTURER EORI NO	DC	MANUF EORI	HLCUBSC240900054		
EU AIS	CARGO IMPORT	HL	SELFILER CODE	SH	SFC	66718006		
EU AIS	CARGO IMPORT	HL	SUPPL DECLARANT OF SE AND BU	DC	SUPPL DECL	HLCUBSC240900054		
EU AIS	CARGO IMPORT	HL	UNIFORM CONSIGNMENT REFERENCE	SH	UCR	66718006		
EU AIS	CARGO IMPORT	HL	WAREHOUSE KEEPER EORI NO	DC	WAREH EORI	HLCUBSC240900054		
EU NCTS	BONDED MOVEMENT	T1	EU RAIL CUSTOMS REFERENCE	SH	EU-RAIL	66718006		
EU NCTS	BONDED MOVEMENT	T1	EU RAIL NON-COMMUNITY INDICATOR	SH	EU-RAIL-NON	66718006		
US AMS	CARGO EXPORT	HL	EXPORT EXEMPTION CLAUSE	SH	AES EXEMPT	66718006		
US AMS	CARGO EXPORT	HL	INBOND NUMBER IE FOR EXPORT	DC	IE	HLCUBSC240900054		
US AMS	CARGO EXPORT	HL	INBOND NUMBER TE FOR EXPORT	DC	TE	HLCUBSC240900054		
US AMS	CARGO EXPORT	HL	INTERNAL TRANSACTION NUMBER	SH	AES-ITN	66718006		
US AMS	CARGO EXPORT	HL	OPT 4 SHIPPER EXEMPTION NUMBER	SH	AES POST	66718006		
US AMS	CARGO EXPORT	HL	SELFILER CODE	SH	SFC	66718006		
US AMS	CARGO EXPORT	HL	SHIPMENT EXPORT DECLARATION TYPE	SH	SED	66718006		ITN

EORI numbers are stored in H0060 (Other identification tab in H0020)

H ORGANISATION IDENTIFICATION CODES H0060

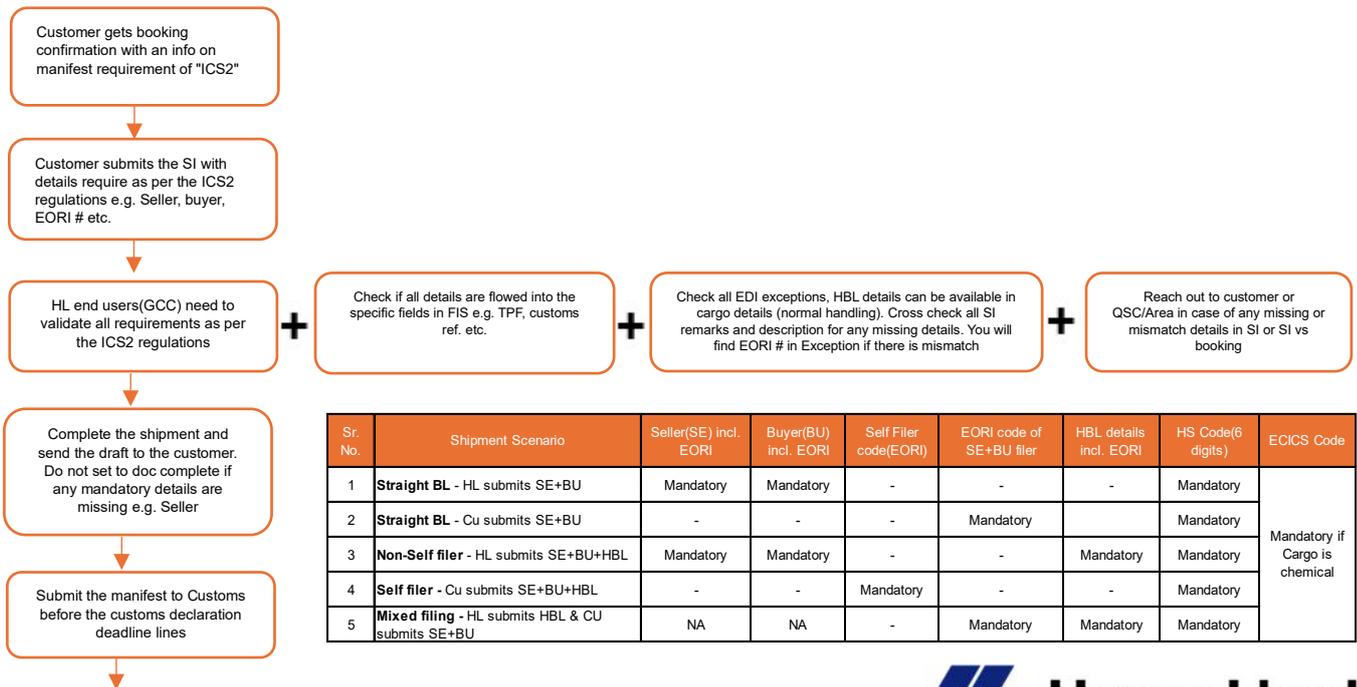
Codelist: EORI Organisation:

Codelist name	Matchcode	Code	Issued by	Orgs	Min length	Max length	Unique	Justification	Type	Validation rule	Date	Changed by
EORI	HAPAGL 68	LOPZAP	HL-3404 BUSINESS ADM	6441	5	20	L	T	NONE	NONE	11/25/2010 13:12:55	LAPPBE
EORI-BRANC				58	4	4	R	N	NONE	NONE	02/05/2016 11:41:37	OSTERJO

Code: Matchcode: Search:

Matchcode	Short name	Code	Organisation Name	Changed by	Date
ABAF00 1	ABAFODDS, BADIA POLES	IT08978668298		PARENCH	09/06/2017 08:02:38
ABAKUS 8	ABAKUS, WARSZAWA	PL951202176080000		WANGIT	18/10/2011 08:13:02
ABB 308	ABB, BAD HONNEF	DE2345307		ELBESBA	03/05/2019 15:11:48
ABB 374	ABB SPA, MILANO	IT11988960156		PARENCH	08/31/2017 14:15:07
ABB 487	ABB - T1 ONLY	DE5626048		KUEHITI	07/18/2018 13:08:47
ABBEYH 1	ABBEY WOOD AGENCIES	IE46285348		TANSLKG	02/10/2011 14:07:46
ABBGRO 2	ABBGROWERS B.V.	NL855160767001		PRADERA	12/08/2021 15:29:52
ABBOTT 1	ABBOTT, WIESBADEN	DE3324508		SINNIRI	04/17/2014 08:38:08
ABBOTT 52	ABBOTT LABORATORIES	NL001998644		EEJE	03/10/2023 08:28:14
ABBOTT 79	ABBOTT LOGISTICS	NL003209866		BLOENJO	02/07/2013 14:20:23

6. Process Flow for end users



Sr. No.	Shipment Scenario	Seller(SE) incl. EORI	Buyer(BU) incl. EORI	Self Filer code(EORI)	EORI code of SE+BU filer	HBL details incl. EORI	HS Code(6 digits)	ECICS Code
1	Straight BL - HL submits SE+BU	Mandatory	Mandatory	-	-	-	Mandatory	Mandatory if Cargo is chemical
2	Straight BL - Cu submits SE+BU	-	-	-	Mandatory		Mandatory	
3	Non-Self filer - HL submits SE+BU+HBL	Mandatory	Mandatory	-	-	Mandatory	Mandatory	
4	Self filer - Cu submits SE+BU+HBL	-	-	Mandatory	-	-	Mandatory	
5	Mixed filing - HL submits HBL & CU submits SE+BU	NA	NA	-	Mandatory	Mandatory	Mandatory	

Track customs status and take measures to rectify the errors if any

Important Notes:

- a) Optional party need to be updated in the specific fields in FIS, if provided in the SI and submit to customs e.g. Consolidator (CS), Manufacturer (MF), Warehouse Keeper (WH).
- b) For the buyer and seller, EORI numbers are mandatory if they are located in EU countries and registered with the EU Commission.
- c) For all B/L parties, shipper, consignee, actual shipper, ultimate consignee, only if an EORI was assigned to the party it must be transmitted to Customs. The EORI # needs to be updated in H0060 of the orgs catalogue (Match code)
- d) Buyer and seller are not required for FROB (Foreign Cargo Remaining on Board) shipments, transshipment cargo and cargo transiting the EU to a final destination outside the EU
- e) Please encourage customers to use "New web SI form". Specific details will not flow in the respective fields if old aeSI is used.
- f) Do change quantity of SMD charge whenever HBL(s) created for the shipment, like handling of AMS shipments from 4th Dec 2024 onwards.
- g) Additional data elements are mandatory to file to the EU customs but should not be printed on the MTD.

7. Manifest Amendment

No change in manifest amendment requirement, it's remained same as ICS1

8. Customs Error codes related to ICS2(EU-AIS) & rectification

Under testing / preparation

9. FAQs and important Links related to ICS2

FAQs shared with customers - [FAQ section](#)

EU Commission has provided updates in their website which can be found here - [link](#)

The Economic Operators Registration and Identification (EORI)

10. Handling of additional data elements until 3rd December 2024

For BCO / Straight BL Customers:

Sr #	Additional Data Elements	Requirement Details	Type (In general)	BCO / Straight BL handling until 3rd Dec 2024)	Actions need to be performed by GCC / HL end users
1	Six-digits HS code	6 digits HS code	Mandatory	Mandatory	update 6 digits HS code from system
2	EORI (<i>Economic Operators Registration and Identification Number</i>)	EORI number is mandatory if the party is located within the European Union & registered with EU commission	Conditional	Conditional	update the details if provided by the customer or assume customer doesn't have it
3	CUS Code (ECICS)	If Cargo is chemical. Not all chemicals would have CUS / ECICS code. It's ok to keep this field blank if customer says no CUS / ECICS code	Conditional	Conditional	
4	UCR (<i>Unique Consignment reference</i>) number	Mandatory to submit to the customs if provided by the customer	Optional	Optional	
5	House level data such as true shipper + consignee & their EORI if it has been assigned by EU	If customer wants liner to file HBL details	Conditional	NA	-
6	Buyer/seller name, address & EORI if cargo is destined to the EU	If customer wants liner to file buyer and Seller details	Mandatory	Mandatory	update the details if provided by the customer or assume customer doesn't have it
7	In case the customer does not want to share house level and/or buyer/seller data with us we require the EORI number of the supplementary declarant / party filing the data with customs	If customers want to file all data on his own	Conditional	NA	-
8	SUPPL DECLARANT OF SE AND BU	If customer wants to file seller and buyer data on his own	Conditional	Conditional	Update if customer has provided Suppl. Declarant of SE and BU (EORI #), otherwise, update HL's EORI number - DE2742004 when seller and buyer details are not available
9	CONSOLIDATOR EORI NO	Mandatory to submit to the customs if provided by the customer	Optional	Optional	update the details if provided by the customer or assume customer doesn't have it
10	MANUFACTURER EORI NO		Optional	Optional	
11	WAREHOUSE KEEPER EORI NO		Optional	Optional	

Note: No need to change quantity of SMD charge when we are not creating HBL(s) for straight BL shipments

For Freight Forwarders / NVOCC Customers:

Sr #	Additional Data Elements	Requirement Details	Type (In general)	Freight Forwarders / NVOCC handling until 3rd Dec 2024)	Actions need to be performed by GCC / HL end users
1	Six-digits HS code	6 digits HS code	Mandatory	Mandatory	update 6 digits HS code from system
2	EORI (<i>Economic Operators Registration and Identification Number</i>)	EORI number is mandatory if the party is located within the European Union & registered with EU commission	Conditional	Conditional	update the details if provided by the customer or assume customer doesn't have it
3	CUS Code (ECICS)	If Cargo is chemical. Not all chemicals would have CUS / ECICS code. It's ok to keep this field blank if customer says no CUS / ECICS code	Conditional	Conditional	
4	UCR (<i>Unique Consignment reference</i>) number	Mandatory to submit to the customs if provided by the customer	Optional	Optional	
5	House level data such as true shipper + consignee & their EORI if it has been assigned by EU	If customer wants liner to file HBL details	Conditional	Not needed	update the details if available in the SI, otherwise no issues
6	Buyer/seller name, address & EORI if cargo is destined to the EU	If customer wants liner to file buyer and Seller details	Mandatory	Not needed	
7	In case the customer does not want to share house level and/or buyer/seller data with us we require the EORI number of the supplementary declarant / party filing the data with customs	If customers want to file all data on his own	Conditional	Not needed	update the details if available in the SI, otherwise no issues
8	SUPPL DECLARANT OF SE AND BU	If customer wants to file seller and buyer data on his own	Conditional	Not needed	Update if customer has provided Suppl. Declarant of SE and BU (EORI #), otherwise, update HL's EORI number - DE2742004 when seller and buyer details are not available
9	CONSOLIDATOR EORI NO	Mandatory to submit to the customs if provided by the customer	Optional	Optional	update the details if provided by the customer or assume customer doesn't have it
10	MANUFACTURER EORI NO		Optional	Optional	
11	WAREHOUSE KEEPER EORI NO		Optional	Optional	

Note: Quantity of SMD charge needs to be changed post 4th Dec 2024 when we are creating HBL(s); Same process of AMS (US destined) shipments for non-self-filer customers.

11. FAQs - Internal process handling

1. Do we need buyer and seller for To Order shipments when buyer is not confirmed for the cargo?

Ans. Yes, we need buyer and seller for "To order shipment", we can update Notify 1 details under "Buyer field" when buyer is not known at the time of SI submission or 24 hrs prior loading of the cargo at origin port.

2. What if buyer and seller details are as same as shipper and consignee in master or HBL details?
Still do we need to update it in the seller and buyer fields?

Ans. Yes, we need to update it, otherwise customs would not know, and it can come as a customs error.