



DG TAXUD

# Information Exchange Specifications

## ICS2

Date: 23/04/2021  
Doc. Version: 1.25

## Document Control Information

Settings	Value
Document Title:	Information Exchange Specifications
Project Title:	ICS2
Document Author:	DG TAXUD ICS2 Project team
Project Owner:	DG TAXUD ICS2 Project team
Doc. Version:	1.25
Sensitivity:	Basic
Date:	23/04/2021

## Document Approver(s) and Reviewer(s):

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Name	Role	Action	Date
ECCG		Approve	
RIMSCO		Review	

## Document history:

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Changes to this document are summarized in the following table in reverse chronological order (latest version first).

Revision	Date	Created by	Short Description of Changes
1.0	07/05/2018	DG TAXUD	Initial version
1.10	15/10/2018	DG TAXUD	Updated for Release 1
1.11	26/04/2019	DG TAXUD	Update of documents references
1.20	07/06/2019	DG TAXUD	Updated for Release 2
1.22	31/03/2020	DG TAXUD	Updated with final version of the second package for RfCs for Release 2
1.23	17/07/2020	DG TAXUD	Updated with the third package for RfCs for Release 2
1.24	19/03/2021	DG TAXUD	Updated with R2 RfC's from MS CAB 7 29/01/2021 and KELv0.09
1.25	23/04/2021	DG TAXUD	Updated with KELv0.10

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# 1 INTRODUCTION

## 1.1 Purpose

This document provides the ICS2 Information exchange specifications. These specifications are based on the Annex B of the UCC DA and IA [A01] as well as EU Customs Data Model (EUCDM) [A02] and are depicted in the ICS2 BPML4 process description [A03].

All IE specifications will be implemented in a harmonised way across all different ICS2 IT components and different implementations of TI.

This document serves as a cover and explanatory note for IE specifications which are provided as annexes in individual document per IE.

## 1.2 Scope

This document covers:

- External domain IEs that are exchanged between the economic operators and Customs administrations via the Trader Interface and which are part of the HTI specifications,
- Common Domain IEs that are exchanged between:
  - The Trader Interface and Common Repository,
  - The Common Repository and NES or any other national system of the MSs.

## 1.3 Target Audience

The intended audience for this document are the representatives of the Member States, any person involved in ICS2 project.

## 1.4 Structure of this document

The present document contains the following chapters:

- Chapter 1 – Introduction: describes the scope and the objectives of the document;
- Chapter 2 – Notation: explains the notation used in the message specifications.
- Chapter 3 – List of IEs: provides a list of ICS2 information exchanges.
- Chapter 4 – Requirements for : provides requirements for authentication of the information exchanges.
- Chapter 5- Principles for the amendment of the ENS filings: provide principles on how the ENS filings have to be amended.

## 1.5 Reference and applicable documents

### 1.5.1 Reference Documents

Ref.	Title	Reference	Version	Date
R01	ICS2 Rules and Conditions		1.24	19/03/2021
R02	ICS2 Code Lists		1.25	23/04/2021

*Table 1: Reference documents*

### 1.5.2 Applicable documents

Ref.	Title	Reference	Version	Date
A01	Commission Delegated Regulation 2015/2446 and Commission Implementing Regulation 2015/2447			
A02	EU Customs Data Model			
A03	ICS2 BPM L4 Process description		1.24	19/03/2021

*Table 2: Applicable documents*

## 1.6 Abbreviations and Acronyms

Abbreviation/Acronym	Definition
CR	Common Repository
ED	External Domain
ENS	Entry Summary Declaration
EU	European Union
HTI	Harmonised Trader Interface
ICS2	Import Control System 2
IE	Information exchange
MS	Member State
NES	National Entry System
TI	Trader Interface
UCC DA and IA	Union Customs Code Delegated act and Implementing act

*Table 3: Abbreviations and acronyms*

## 2 NOTATION

The following notation is used in the IE specifications:

Occurs – indicates the minimum and maximum cardinality of a data class/element, e.g.:

- 0..1 optional data class/element with maximum repetition of 1
- 1..1 mandatory data class/element with maximum repetition of 1
- 0..99 optional data class/element with maximum repetition of 99
- 2..9 mandatory class with minimum repetition of 2 and maximum repetition of 9
- 0..n Optional class with unlimited maximum repetition

Name – indicates the name of a class or element as defined for ICS2 project. Name of a class is on a grey background.

Status – indicates the status of a data class/element as defined for ICS2 project:

- M – Mandatory (must always be provided)
- O – Optional (must be provided if available)
- C – Conditional (is either mandatory or optional depending on the conditions applicable to this class/element)

Format – indicates the format of an element as defined for ICS2 project. Data value representation of a data element:

- a alphabetic characters
- n numeric characters
- an alphanumeric characters
- a3 3 alphabetic characters, fixed length
- n3 3 numeric characters, fixed length
- an3 3 alphanumeric characters, fixed length
- a..3 up to 3 alphabetic characters
- n..3 up to 3 numeric characters
- an..3 up to 3 alphanumeric characters
- n..3,1 up to 3 numeric characters of which 1 position for a decimal

CL – indicates the reference number of a Code list [R02] applicable to the element.

Rules – indicates reference number(s) of data rules [R01] applicable to a class/element.

Conditions – indicates reference number(s) of data conditions [R01] applicable to a class/element.

Fxx – Type of ENS filing, based on the Specific Circumstance Indicator.

Axx – Type of ENS amendment, based on the Specific Circumstance Indicator.

### 3 LIST OF IES

#### 3.1 External Domain

Message ID	Name	Full name	Process where it is used
IE3Fxx	E_ENS_XXX_DEC	ENS filing	L4-ICS2-01 Register filing
IE3Axx	E_ENS_XXX_AMD	ENS filing amendment	L4-ICS2-07 Amend filing
IE3Q01	E_DNL_REQ	Do Not Load request	L4-ICS2-03 Perform risk analysis
IE3Q02	E_REF_RFI_REQ	Additional information request	L4-ICS2-03-01 Send referral
IE3Q03	E_REF_RFS_REQ	High Risk Cargo & Mail screening request	L4-ICS2-03-01 Send referral
IE3Q04	E_INV_REQ	Invalidation Request	L4-ICS2-08 Invalidate filing
IE3Q05	E_ENS_CNS	ENS Consultation	L4-ICS2-13 Consult ENS
IE3R01	E_ENS_REG_RSP	ENS Registration Response	L4-ICS2-01 Register filing
IE3R02	E_REF_RFI_RSP	Additional information response	L4-ICS2-03-01 Send referral
IE3R03	E_REF_RFS_RSP	High Risk Cargo & Mail screening response	L4-ICS2-03-01 Send referral
IE3R04	E_ARV_REG_RSP	Arrival Registration Response	L4-ICS2-04 Process arrival of means of transport
IE3R07	E_INV_ACC_RSP	Invalidation Acceptance Response	L4-ICS2-08 Invalidate filing
IE3R08	E_ENS_CNS_RES	ENS Consultation results	L4-ICS2-13 Consult ENS
IE3N01	E_ELF_VLD_NOT	ENS lifecycle validation error notification	L4-ICS2-01 Register filing
IE3N02	E_ENS_NCP_NOT	ENS Not complete notification	L4-ICS2-02-01 Relate ENS filings
IE3N03	E_ASM_CMP_NOT	Assessment complete notification	L4-ICS2-03 Perform risk analysis
IE3N04	E_REF_RFI_NOT	Additional information request notification	L4-ICS2-03-01 Send referral
IE3N05	E_REF_RFS_NOT	High Risk Cargo & Mail screening request notification	L4-ICS2-03-01 Send referral
IE3N06	E_ARV_NOT	Arrival notification	L4-ICS2-04 Process arrival of means of transport
IE3N07	E_HCS_INC_NOT	House consignment in incorrect state notification	L4-ICS2-04 Process arrival of means of transport



IE3N08	E_CON_NOT	Control notification	L4-ICS2-04 Process arrival of means of transport
IE3N09	E_AEO_CON_NOT	Authorised Economic Operator control notification	L4-ICS2-06-01 Handle AEO notification
IE3N10	E_AMD_NOT	Amendment Notification	L4-ICS2-07 Amend filing
IE3N11	E_ENS_PND_NOT	ENS pending notification	L4-ICS2-02-01 Relate ENS filings
IE3N99	E_ERR_NOT	Error notification	L4-ICS2-01 Register filing
			L4-ICS2-04 Process arrival of means of transport
			L4-ICS2-07 Amend filing
			L4-ICS2-08 Invalidate filing

## 3.2 Common Domain

Message ID	Message Name	Message name full	Process where it is used	Equivalent ED message
IE4Fxx	C_ENS_XXX_DEC	ENS filing	L4-ICS2-01 Register filing	IE3Fxx
IE4Axx	C_ENS_XXX_AMD	ENS filing amendment	L4-ICS2-07 Amend filing	IE3Axx
IE4Q01	C_ESC_REQ	e-Screening request	L4-ICS2-03 Perform risk analysis	
IE4Q02	C_ERA_REQ	e-risk analysis request	L4-ICS2-03 Perform risk analysis	
IE4Q03	C_DNL_REQ	Do Not Load request	L4-ICS2-03 Perform risk analysis	IE3Q01
IE4Q04	C_REF_RFI_REQ	Additional information request	L4-ICS2-03-01 Send referral	IE3Q02/IE3N04
IE4Q05	C_REF_RFS_REQ	High Risk Cargo & Mail screening request	L4-ICS2-03-01 Send referral	IE3Q03/IE3N05
IE4Q06	C_INV_REQ	Invalidation request	L4-ICS2-08 Invalidate filing	IE3Q04
IE4Q07	C_OMS_REQ	OMS request to perform e-Screening	L4-ICS2-09 e-Screening by OMS	
IE4Q08	C_PRS_RVK_REQ	Presentation revocation request	L4-ICS2-12 Revoke presentation of goods	
IE4Q09	C_ENS_CNS	ENS consultation	L4-ICS2-13 Consult ENS	IE3Q05
IE4Q10	C_ENS_QUE	Query for ENS	L4-ICS2-14 Query for ENS	
IE4R01	C_ENS_ACC_RSP	ENS acceptance response	L4-ICS2-02 Prepare ENS for risk analysis	
IE4R02	C_REF_RFI_RSP	Additional information response	L4-ICS2-03-01 Send referral	IE3R02
IE4R03	C_REF_RFS_RSP	High Risk Cargo & Mail screening response	L4-ICS2-03-01 Send referral	IE3R03
IE4R04	C_INV_ACC_RSP	Invalidation acceptance response	L4-ICS2-08 Invalidate filing	IE3R07
IE4R05	C_ENS_QUE_RES	ENS query results	L4-ICS2-14 Query for ENS	
IE4R06	C_ENS_CNS_RES	ENS consultation results	L4-ICS2-13 Consult ENS	IE3R08
IE4S01	C_ESC_ASM_RES	e-Screening results	L4-ICS2-03 Perform risk analysis	
IE4S02	C_RSK_RES	Risk analysis results	L4-ICS2-03 Perform risk analysis	
IE4S03	C_CON_RES	Control results	L4-ICS2-05 Process presentation of goods	
			L4-ICS2-06 Process control decision and results	
IE4N01	C_ELF_VLD_NOT	ENS lifecycle validation error notification	L4-ICS2-02 Prepare ENS for risk analysis	IE3N01
IE4N02	C_ENS_NCP_NOT	ENS not complete notification	L4-ICS2-02-01 Relate ENS filings	IE3N02/IE3N11

IE4N03	C_ERA_HIT_NOT	Risk hit notification	L4-ICS2-03 Perform risk analysis	
IE4N04	C_ASM_CMP_NOT	Assessment complete notification	L4-ICS2-03 Perform risk analysis	IE3N03
IE4N05	C_CON_RCM_NOT	Control recommendation notification	L4-ICS2-03 Perform risk analysis	
			L4-ICS2-04 Process arrival of means of transport	
			L4-ICS2-05 Process presentation of goods	
			L4-ICS2-06 Process control decision and results	
IE4N06	C_REF_AMD_NOT	Amendment after referral reception notification	L4-ICS2-03-01 Send referral	
IE4N07	C_ARV_NOT	Arrival notification	L4-ICS2-04 Process arrival of means of transport	IE3N06
IE4N08	C_HCS_INC_NOT	House consignment in incorrect state notification	L4-ICS2-04 Process arrival of means of transport	IE3N07
IE4N09	C_CON_NOT	Control notification	L4-ICS2-04 Process arrival of means of transport	IE3N08
IE4N10	C_PRS_INF	Presentation information	L4-ICS2-05 Process presentation of goods	
IE4N11	C_AEO_CON_NOT	Authorised Economic Operator control notification	L4-ICS2-06-01 Handle AEO notification	IE3N09
IE4N12	C_AMD_NOT	Amendment completion notification	L4-ICS2-07 Amend filing	IE3N10
IE4N13	C_INV_NOT	ENS filing invalidation notification	L4-ICS2-08 Invalidate filing	IE3N99
IE4N14	C_HCS_NOT	ENS House Consignment state notification	L4-ICS2-04 Process arrival of means of transport	
			L4-ICS2-05 Process presentation of goods	
IE4N15	C_CON_CHA_NOT	MS of control change notification	L4-ICS2-03 Perform risk analysis	
IE4N99	C_ERR_NOT	Error notification	L4-ICS2-07 Amend filing	
			L4-ICS2-08 Invalidate filing	
			L4-ICS2-09 e-Screening by OMS	
			L4-ICS2-12 Revoke presentation of goods	

## 4 REQUIREMENTS FOR AUTHORISATION

In the ICS2 system to system exchanges the economic operator system is considered a technical actor; the operator responsible for this system is called *the Sender*. From the business and legal perspective it is not required that the Declarant or Customs representative registers itself as a technical user when exchanging messages with ICS2; it is enough that the operator of the EO system (i.e. the Sender) registers itself upon Customs Authorities and that the mechanisms used to exchange messages back and forth are done in a non-anonymous way.

All information exchanges are responsibility of the Sender even if he is dispatching the functional content of the messages (ENS filing, Referrals, etc.) which are ultimately responsibility of the Declarant or Customs Representative; therefore it is in the interest of the Sender to ensure a legal agreement with these actors (unless of course if it sis itself) so as to clear all possible liabilities resulting from a wrong use of these exchanges.

## 5 PRINCIPLES FOR THE AMENDMENT OF THE ENS FILINGS

1. Amendment of an ENS filings lodged via message IE3Axx replaces the previous version of the ENS filing lodged via message IE3Fxx.
2. ENS filing IE3F25 shall not be amended as this filing contains the information (Transport document (Master level)) that has to be unique and cannot be amended.

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