



DG TAXUD

Common Functional System Specifications

ICS2

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Revision	Date	Created by	Short Description of Changes
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1.10	15/10/2018	DG TAXUD	Updated version for Release 1
1.11	07/12/2018	DG TAXUD	Updated document references
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1 INTRODUCTION

1.1 Purpose

This document describes the scope, structure and the content of the ICS2 Common Functional System Specifications.

It also serves as a release note of the new version 1.14 of the CFSS package.

1.2 Scope

This document covers full ICS2 Common Functional System Specifications.

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 – Scope of the CFSS: explains the scope of the CFSS.
- Chapter 3 – Structure and content of the CFSS: describes the structure of the CFSS and content of each artefact.

1.5 Reference and applicable documents

1.5.1 Reference Documents

Ref.	Title	Reference	Version	Date
R01	ICS2 Definitions		1.10	15/10/2018
R02	ICS2 Business Process Description		1.10	15/10/2018
R03	ICS2 BPM L4 Process Description		1.14	29/11/2019
R04	ICS2 Information Exchange Specifications		1.14	29/11/2019
R05	ICS2 Rules and Conditions		1.12	29/11/2019
R06	ICS2 Code Lists		1.13	29/11/2019
R07	ICS2 Business Statistics		1.10	15/10/2018
R08	ICS2 Conceptual Data Model		1.12	26/04/2019
R09				

Table 1: Reference documents

1.6 Abbreviations and Acronyms

Abbreviation/Acronym	Definition
BPM	Business Process Model
CFSS	Common Functional System Specifications
CR	Common Repository
EU	European Union
ICS2	Import Control System 2
IE	Information exchange
MS	Member State
NES	National Entry System
OMS	Other Member State
UCC DA and IA	Union Customs Code Delegated Act and Implementing Act

Table 2: Abbreviations and acronyms

2 SCOPE OF THE CFSS

ICS2 Common Functional System Specifications cover:

- Lodgement and registration of the ENS filings (full or partial) and Arrival notifications via the Trader Interface;
- Processing of the ENS filings in the Common Repository in order to instantiate the ENS and make it available for the risk analysis by the MSS;
- Submission of the ENS by the CR to the National Entry Systems for risk analysis and e-Screening process;
- Processing and storing of the risk analysis and e-Screening results, control recommendations, control decisions, control results;
- Processing and storing of presentation information;
- Processing and storing of the referrals;
- Query and consultation of the ENS;
- Invalidation and amendment of ENS filings;
- E-Screening by the OMS;
- Compilation of Business Statistics by CR.

Not in scope of CFSS:

- Specifications for the customs declarations containing ENS particulars as per Art. 130 UCC;
- ENS filing for postal items on other modes of transport than air;
- ENS filing for express consignments on other modes of transport than air.

3 STRUCTURE AND CONTENT OF THE CFSS

ICS2 Common Functional System Specifications are provided as a package of documents covering different artefacts of the system specifications. The documents are describes below.

3.1 Definitions

Definitions document [R01] provides definitions of the terms used in ICS2 project. These definitions apply to all other related documents.

3.2 Business Process Description document

Functional system specifications for the EU Customs IT systems are developed using the EU Customs BPM methodology. EU Customs BPM provides different views depending on level of detail that is relevant for the reader:

- L1 and L2 BPM give an overview of all customs business domains (core processes and enabling processes) and global business data and define the interaction between them,
- L2 and L3 BPM give an overview of the process steps and tasks (legal requirements) as defined by the UCC legislation,
- L4 BPM provides Functional Specifications/ Requirements.

Business Process Description document [R02] provides an end-to-end business process of entry of goods into the EU including the risk analysis and control.

This is a new Level 3.5 of the EU Customs BPM, which is IT system agnostic. It depicts the actual business process, including all the actors and their roles in the process. BPM L3.5 is in between the Level 3, which shows the legal process as defined in the UCC DA and IA, and Level 4, which shows the same process from an IT system perspective.

BPM L3.5 consists of High level overview and 7 sub-processes that provide a detailed overview of the ICS2 business process.

3.3 BPM L4 Process Description

BPM L4 Process Description document [R03] provides a mapping of the business process and data to the IT system components.

There are 3 components of the ICS2:

- Trader interface
- Common Repository
- National Entry Systems

BPM L4 depicts the process at each of the system components, interfaces as well as information exchanges between the components. The process is depicted through the sequence of the system and human tasks and exchanges of messages. There is 1 Master process and 15 underlying sub-processes.

BPM L4 also provides 2 supporting processes which will offer additional functionalities to the Member States and the economic operators, such as the query for ENSs by the Member State Administrations and the consultation for specific ENS filings by the economic operators.

3.4 Information exchange specifications

Information exchange specifications document [R04] consists of the main document and underlying documents per IE.

These specifications cover the structure and the content of all the messages to be exchanged between the system components.

The messages fall under 2 domains:

- External domain which covers IEs to be exchanged between the Economic operator and Customs administration via the TI.
- Common domain which covers all the IEs to be exchanged between the TI, CR and NES.

Some of the IEs of the External domain have corresponding IEs of the Common domain due to the fact that CR only forwards the messages received from TI to NES and vice versa. This relation is depicted in the main document.

There are 155 IE specified.

3.5 Rules and Conditions

Rules and Conditions document [R05] provides rules and conditions that apply to the data elements in the messages.

3.6 Code lists

Code lists document [R06] provides lists of codes that are used for coded data elements in the messages.

The code lists are specified for information only. Actual code lists will be maintained in CS/RD2 and TARIC.

3.7 Business statistics

Business statistics document [R07] provides definition of common business statistics to be collected at TI and CR level.

The abovementioned statistical compilation comprises two business areas from the ICS2:

- Business operations (different kinds of use cases reflecting the different modes of transports concerned, different multiple filing constellations etc.).
- Risk analysis and controls (CRC hits, entries from high interest countries, risk analysis and control related statistics etc.).

3.8 Conceptual Data Model

Conceptual data model document [R08] provides a high-level overview of the ICS2 conceptual data model, Consignment view, entities and their state transitions. This document should help to understand the Entities defined in the BPM L4 document.

End of document