OWNER: DG TAXUD	ISSUE DATE: 18/11/2021	VERSION: 4.01
European Commission Taxation and Customs Union DG SUBJECT: **Excise Functional Requirements BPM Report-Reference Data Management** SC11-RfA#667		
FRAMEWORK CONTRACT: TAXUD/2013/CC/121		
STATUS: MSI		

TABLE OF CONTENTS

1. INTRODUCTION

1.1. Document Purpose

This document presents the L4 Functional Requirements Processes for Reference Data Management. This includes L4 processes that show the human interaction tasks and the automated tasks and the information exchanges. In addition, there is an annex containing graphic representations of the L4 Business Process Diagrams. This report is generated from ARIS and only contains information present in ARIS.

1.2. Deviation From TEMPO

The following TEMPO sections are not part of this document:
- Sign Off list;
- Distribution List;
- Scope;
- Applicable Documents;
- List of Tables;
- List of Figures.

The following TEMPO sections are added to this document:
- Project Ownership;
- Intended Audience.

1.3. Assumption and Constraints

The reader should have a basic knowledge of the EU BPM methodology.

1.4. Project Ownership

The unit DG TAXUD/C2 is the project owner of this Excise Functional Requirements BPM Report.

1.5. Intended Audience

The purpose of this document is to establish a common understanding between readers that are familiar with the applicable documents and may belong to the following categories:
- Any person responsible for the Excise - EMCS business / system processes, requirements, functional specifications or conformance testing;
- Any person responsible for the Export - AES business / system processes, requirements, functional specifications or conformance testing;
- Any person of the development team of DG TAXUD/C5 who will use this document as a reference during the development cycle;
- Any person from the DG TAXUD units who has to verify whether the current document is consistent with the applicable documents and depicts the solution to be followed;
- Any Member State (MS) or Trade representatives who have to identify the actions, implications and consequences on their national domain, including both business people and people having an IT background.

1.6. Structure of Document

This document is organised as follows:
- Introduction;
- References, containing a list of acronyms and abbreviations and the documents referenced in this functional requirements document;

- Document History, listing the different versions and submission dates of this functional requirements document;
- High Level System Overview, providing an overview of the system and the actors involved in this functional requirements document;
- Process Models, visualising in separate sections information from all L4 BPMs relating to the system covered in this functional requirements document.

In separate document, the following related annex may be found:
- Annex 1: Model Graphics, providing all L4 BPM models

2. REFERENCES

2.1. Acronyms and abbreviations

ACRONYM	DESCRIPTION
ARC	Administrative Reference Code
Art	Article
BPM	Business Process Model
B2B	Business-to-Business
CCN	Common Communication Network
COL	Customs Office List
DG TAXUD	Directorate General Taxation and Customs Union
e-AD	Electronic Administrative Document
ELO	Excise Liaison Office
EMCS	Excise Movement and Control System
EOL	Excise Office List
e-SAD	Electronic Simplified Administrative Document
EU	European Union
ID	Identifier
IT	Information Technology
MS	Member State(s)
MSA	Member State Administration
N/A	Not Applicable
HL	High Level
RADM	Registration and Authorisation Data Management
Reg	Regulation
TEMPO	TAXUD Electronic Management of Projects On-Line
UR	User Requirement

Table 2.1: Acronyms and abbreviations

2.2. Reference Documents

The following documents are of interest to this document and its annexes:

REF.	TITLE	ORIGINATOR	VERSION	DATE
R01	EU CUSTOMS BPM METHODOLOGY DOCUMENT-v4.00	DG TAXUD	4.00	10/11/2015

R02	Functional Excise System Specifications	DG TAXUD	v3.69	16/08/2016
R03	Design Document for National Excise Applications (EMCS Phase 3)	DG TAXUD	v1.79	16/06/2016

Table 2.2: Reference Documents

3. DOCUMENT HISTORY

ED.	REV.	DATE	DESCRIPTION	ACTION *	PAGES
0	01	03/03/2017	Produced/Updated L4 Models and Artefacts (EMCS P3.3 Evolution & EMCS Baseline Completion) under SC04-RFA#393 Submitted for review to DG Taxation and Customs Union.	I,U	All
1	00	15/06/2017	Produced/Updated L4 Models and Artefacts (EMCS P3.3 Evolution & EMCS Baseline Completion) under SC04-RFA#393 Submitted for Acceptance to DG Taxation and Customs Union.	I,U	All
1	01	15/06/2017	Produced/Updated L4 Models and Artefacts (Completion of EMCS 3.3 BPMs) under SC03-RFA#077. Submitted for Acceptance to DG Taxation and Customs Union.	I,U	All
1	02	04/08/2017	Published for Member States (MSP).	I,U	All
1	03	03/04/2018	Submitted for Review to DG Taxation and Customs Union.	I,U	All
1	04	02/05/2018	Submitted for Acceptance to DG Taxation and Customs Union.	I,U	All
1	05	02/05/2018	Published for Member States (MSI).	I,U	All
1	06	08/10/2018	Implementation of EMCS 3.4 BPMs under SC05-RfA #525. Submitted for Review to DG Taxation and Customs Union.	I,U	All
1	07	29/10/2018	Implementation of EMCS 3.4 BPMs under SC05-RfA #525. Submitted for Acceptance to DG Taxation and Customs Union.	I,U	All
1	08	23/11/2018	Published for Member States (MSI).	I,U	All
3	92	11/11/2020	Implementation of EMCS Phase 4 BPMs under SC09-RfA#632.	I, U	All

			Submitted for Review to DG Taxation and Customs Union.		
3	93	01/12/2020	Implementation of review comments for EMCS Phase 4 BPMs under SC09-RfA#632. Submitted for Acceptance to DG Taxation and Customs Union.	I, U	All
3	94	16/12/2020	Implementation of Phase 4 BPMs under SC09-RfA#632. Submitted for Member States' review.	I, U	All
4	00	19/04/2021	Implementation of Phase 4 Member States review comments under SC09-RfA#632. Published for Member States Information (MSI).	I, U	All
4	01	18/11/2021	Implementation of the following RFCs: FESS-274, FESS-276, FESS-277, FESS-278, FESS-279, FESS-280, FESS-281, FESS-282, FESS-283, FESS-284, FESS-285. Published for Member States Information (MSI).	I, U	All

Table   3.1:   Document   History

*I = Insert, R = Replace, U = Update

4. HIGH LEVEL SYSTEM OVERVIEW

4.1. System Overview

This document contains the functional specifications for the Excise Movement and Control System to which any Nationally Developed Excise Application (NDEA) and Centrally Developed Excise Application (CDEA) needs to conform. These functional specifications are to be regarded as the basis for the development of the technical specifications (i.e. DDNEA – 'Design Document for National Excise Applications'). It is important to note that the complete functional specifications can be found in ARIS and that this document is envisaged to be supporting documentation to the diagrams and information in ARIS. If the legal baseline of this document would change, the functional specifications will need to be updated and aligned.

Since the actual implementation of the system is under national responsibility, the division between user interface and automated tasks included in this document should be considered as a proposal from DG TAXUD. MSAs are free to deviate and introduce more or less automation. However, as with all Trans-European Systems, compliance with the common domain information exchanges will be mandatory to ensure automated communication between MSAs.

4.2. Actors

ACTORS	DESCRIPTION
MSA Central Services	Central services in each MS: · produce, submit, receive and keep SEED and reference data information including the EOL; · request and receive SEED statistics.
SEED user	SEED user interacts with SEED (System for Exchange of Excise Data) to achieve his/her business goals or to support the primary functions.
MSA Central Application	MSA Central Services application: · produce, submit, receive and keep SEED and reference data information including the EOL; · request and receive SEED statistics; · provide information on the reference data to economic operators.
Common Domain Central Services	Central services in the Common Domain: · receive, validate, consolidate, keep and disseminate registration information and the EOL; · produce, keep and disseminate reference data; · produce and send SEED statistics; · ensure a global monitoring of the system and provide some added value services.
SEED	The System for Exchange of Excise Data (SEED) is located in the Common Domain. It provides management and dissemination services regarding information on the Economic Operators register and the Reference Data register. It also provides exchange of SEED statistics.

SEED	
Excise Authority	
Economic Operator	Any economic operator involved at a given movement either as Consignor or as a Consignee.
SEED User	
MSA Central Application User	

5. PROCESS MODELS

5.1. Process L4-RDM-01-00-Reference Data Management Master Process

5.1.1. Objective of Process

The purpose of this diagram is to present in one diagram the main flow concerning Reference Data Management. This diagram mainly focuses on the successful path. For more details please check the respective L4 BPMN diagrams.

5.1.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-RDM-01-00
Full Name	Reference Data Management Master Process
Assumptions	1. The Excise Office List (EOL) is maintained conjointly with the Customs Office List (COL) by NCTS CS/RD. The NCTS CS/RD application offers the functionality of managing the data of those offices (maintenance, download, updates, and etc.). 2. According to DDNEA (Sub-section "V.I.2.1 Introduction" of "V.I.2 Exchange of Reference Data" in DDNEA v1.91), changes to the EMCS Reference Data are disseminated by SEED to each MSA according to their dissemination profile preferences. This is also in alignment with the current system behaviour, i.e. the IE734 is disseminated to the MSAs that are registered for receiving IE734 disseminations. However, in FESS (EBP UC-105-110 "Send reference data" of FESS v3.81 Section III), it is not clarified that, in the aforementioned scenario, SEED sends the IE734 only to the MSAs who are registered to receive IE734 disseminations.
Constraints	N/A
L3 Reference Models	N/A
Existing Specifications	Design Document for National Excise Applications - v3.02

Table 5.1: Process Details

5.1.3. Tasks and Events

Event Reference Data to be updated and made available

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Reference Data to be updated and made available
Event Type	Start event
Description	

Previous Objects	

Table 5.2: Event Reference Data to be updated and made available

Task Maintenance and dissemination of reference data other than the EOL

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Maintenance and dissemination of reference data other than the EOL
Task Type	Call activity (collapsed)
Description	
Actor	Excise Authority
Input Data	
Output Data	
Previous Objects	Reference Data to be updated and made available
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.3: Task Maintenance and dissemination of reference data other than the EOL

Task Consultation of other reference data by MSA central services

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Consultation of other reference data by MSA central services
Task Type	Call activity (collapsed)
Description	
Actor	Excise Authority
Input Data	
Output Data	
Previous Objects	Does MSA decide to request reference data modifications applied to Central Reference Database?
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.4: Task Consultation of other reference data by MSA central services

Task Consultation of public reference data by economic operators

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Consultation of public reference data by economic operators
Task Type	Call activity (collapsed)
Description	
Actor	Excise Authority
Input Data	
Output Data	
Previous Objects	Does economic operator decide to consult public reference data?
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.5: Task Consultation of public reference data by economic operators

Event Reference data is up-to-date

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Reference data is up-to-date
Event Type	End event
Description	
Previous Objects	Consultation of public reference data by economic operators Does economic operator decide to consult public reference data?

Table 5.6: Event Reference data is up-to-date

5.2. Process L4-RDM-01-01-Maintenance and dissemination of reference data other than the EOL

5.2.1. Objective of Process

The purpose of this process is to depict how reference data (except for the Excise Office List - ELO) is maintained by the Common Domain Central Services and disseminated to the Member State Administrations (MSA). The concerned reference data comprises:
- a list of codes to be used in identified fields of the information exchanges throughout EMCS, such as country codes, transport codes, language codes, and etc.;

- a set of common system parameters (durations, numbers and codes that are set as committing limits for all Member States in some business cases, typically, a maximum time limit that an MSA is forbidden to exceed but is allowed to shorten, or the list of categories of goods allowed at splitting).

Reference data is maintained in the Common Domain. The Common Domain Central Services are responsible for updating the reference data. Following the instructions of the Commission, a responsible official in the Common Domain Central Services registers the modifications of the reference data in SEED. Those modifications can be the creation, update or invalidation of a specific record in the reference data. SEED records the reference data modifications.

Once the Common Domain Central Services have a set of reference data updates, this set can be disseminated to the Member States with the IE734 message (upon a pre-defined scheduling or upon an explicit request). The IE734 message 'Operations on the reference database' is disseminated to those Member States, which have explicitly asked for such disseminations via CCN in their profiles on SEED. The dissemination of reference data should be completed in advance, before the data contained in the IE734 message becomes applicable according to the indicated validity dates. The Common Domain Central Services (SEED) send the IE734 message containing the modifications since the last execution to all the MSAs that have not opted out of receiving reference data updates via CCN/CSI.

The reference data update message (IE734:C_RDD_DAT) groups the changes that concern the creation, update or invalidation of a specific reference data record. These changes have to be applied by the MSAs. The IE734:C_RDD_DAT message, which is disseminated to the MSAs, is composed of one or several of the following messages:
-        IE732: C_COD_DAT (common list of codes)
-        IE709: C_PAR_DAT (common system parameters)

Once the updates of the reference data has been disseminated to the MSA Central Services, the process ends.

5.2.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-RDM-01-01
Full Name	Maintenance and dissemination of reference data other than the EOL
Assumptions	1. This process depicts only the maintenance (as described in the FESS UC1.04) and dissemination (as described in the FESS UC1.05) of reference data other than the EOL.
	The Excise Office List (EOL) is maintained conjointly with the Customs Office List (COL) by NCTS CS/RD. The NCTS CS/RD application offers the functionality of managing the data of those offices (maintenance, download, updates, and etc.).
	2. According to DDNEA (Sub-section "V.I.2.1 Introduction" of "V.I.2 Exchange of Reference Data" in DDNEA v1.91), changes to the EMCS Reference Data are disseminated by SEED to each MSA according to their dissemination profile preferences. This is also in alignment with the current system behaviour, i.e. the IE734 is disseminated to the MSAs that are registered for receiving IE734 disseminations. However, in FESS (EBP UC-105-110 "Send reference data" of FESS v3.81 Section III), it is not clarified that, in the aforementioned scenario, SEED sends the IE734 only to the MSAs who are registered to receive IE734 disseminations.

Constraints	N/A
L3 Reference Models	L3-RDM-01-01-Maintenance and dissemination of reference data other than the EOL
Existing Specifications	Design Document for National Excise Applications - v3.02

<p align="center">Table 5.7: Process Details</p>

5.2.3. Tasks and Events

Event Modifications to the reference data performed

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Modifications to the reference data performed
Event Type	Conditional start event
Description	Due to the fact that the reference data is of great importance to the correct functioning of the EMCS, it has to be accurate and up-to-date. Changes to the reference data are decided by the Commission. The Common Domain Central Services receive the update instructions from the Commission.
Previous Objects	

<p align="center">Table 5.8: Event Modifications to the reference data performed</p>

Task Register modifications to the reference database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Register modifications to the reference database
Task Type	User task
Description	When the XML file, containing all the modifications to the reference data, is ready, it has to be uploaded to SEED. The modifications concern the creation, update or invalidation of a specific record in the reference data.
Actor	SEED User
Input Data	Message Type C_COD_DAT C_PAR_DAT
Output Data	C_PAR_DAT Message Type C_COD_DAT
Previous Objects	Modifications to the reference data performed
Information Exchange	
Requirements	RDM_FUR_0008

Data Set	
Events	
State	

Table 5.9: Task Register modifications to the reference database

Task Record modifications to the reference database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record modifications to the reference database
Task Type	Service task
Description	Reference data modifications have to be recorded in the Central Reference Database.
Actor	SEED
Input Data	C_PAR_DAT C_COD_DAT Message Type
Output Data	C_PAR_DAT C_COD_DAT Message Type
Previous Objects	Register modifications to the reference database
Information Exchange	
Requirements	RDM_FUR_0009
Data Set	
Events	
State	

Table 5.10: Task Record modifications to the reference database

Task Build Operations on the Reference Database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Operations on the Reference Database
Task Type	Service task
Description	SEED builds an Operations on the Reference Database message (IE734) containing the modifications or the data items of Reference Data for the period specified.
Actor	SEED

Appears also in the following processes	L4-RDM-01-02-Consultation of other reference data by MSA central services
Input Data	C_RDD_DAT
Output Data	C_RDD_DAT
Previous Objects	Record modifications to the reference database
Information Exchange	
Requirements	RDM_FUR_0001
Data Set	
Events	
State	

Table 5.11: Task Build Operations on the Reference Database

Task Record Operations on the Reference Database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Operations on the Reference Database
Task Type	Service task
Description	The Operations on the Reference Database message (IE734) is stored.
Actor	SEED
Appears also in the following processes	L4-RDM-01-02-Consultation of other reference data by MSA central services
Input Data	C_RDD_DAT
Output Data	C_RDD_DAT
Previous Objects	Build Operations on the Reference Database
Information Exchange	
Requirements	RDM_FUR_0002
Data Set	
Events	
State	

Table 5.12: Task Record Operations on the Reference Database

Task Identify whether there are any MSAs that are registered to receive dissemination of operations to the reference database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether there are any MSAs that are registered to receive dissemination of operations to the reference database
Task Type	Service task
Description	Once the Common Domain Central Services have a set of reference data updates, it can be disseminated to the Member States. The IE734 message (operations on the reference database) is only disseminated to those Member States, which have explicitly asked for such disseminations via CCN in their profile on SEED. Therefore, SEED has to identify whether there are any MSAs that are registered to receive disseminations of the operations on the reference database. The dissemination of reference data should be completed in advance, before the data contained in the IE734 message becomes applicable.
Actor	SEED
Input Data	
Output Data	Results identify whether there are any MSAs that are registered to receive dissemination of operations to the reference database
Previous Objects	Record Operations on the Reference Database
Information Exchange	operations on the reference data base
Requirements	RDM_FUR_0007
Data Set	
Events	
State	

Table 5.13: Task Identify whether there are any MSAs that are registered to receive dissemination of operations to the reference database

Task Notify MSA Central Services of Operations on the Reference Database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA Central Services of Operations on the Reference Database
Task Type	Send task
Description	SEED notifies the concerned MSA Central Services of the Operations on the Reference Database message (IE734).
Actor	SEED
Appears also in the following processes	L4-RDM-01-02-Consultation of other reference data by MSA central services

Input Data	C_RDD_DAT
Output Data	
Previous Objects	Are there any MSAs that are registered to receive dissemination of operations to the reference database
Information Exchange	operations on the reference data base
Requirements	RDM_FUR_0003
Data Set	
Events	
State	

Table 5.14: Task Notify MSA Central Services of Operations on the Reference Database

Event Reference database modified and updates not disseminated

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Reference database modified and updates not disseminated
Event Type	End event
Description	The reference data updates are not disseminated to the MSAs, which are not registered for IE734 dissemination. The Central Services of those MSAs which are not registered to receive notifications of reference data modifications from the Common Domain Central Services, have to request an extract of the modifications applied to the Central Reference Database using the Common Request message (IE701).
Previous Objects	Are there any MSAs that are registered to receive dissemination of operations to the reference database

Table 5.15: Event Reference database modified and updates not disseminated

Event Reference database modified and updates disseminated

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Reference database modified and updates disseminated
Event Type	End event
Description	The updates of the reference data, consistent with the reference data version kept by the Common Domain Central Services, have been disseminated to the MSA Central Services.
Previous Objects	Notify MSA Central Services of Operations on the Reference Database

Table 5.16: Event Reference database modified and updates disseminated

5.3. Process L4-RDM-01-02-Consultation of other reference data by MSA central services

5.3.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the consultation of reference data by MSA central services, in accordance with the current Common Specifications (FESS and DDNEA).

The current process is triggered when SEED at Common Domain Central Services receives a Common Request message (IE701) from a MSA (MSA Central Services), indicating a request for re-synchronisation of Reference Data (Request Type is "2: Request for reference data").

After receiving the Common Request message, IE701 (indicating a request for re-synchronisation of Reference Data), SEED at Common Domain Central Services validates its data by using the "L4-RADM-01-07-Perform validation of Common Domain message" sub process. Then, SEED proceeds with the handling of the validation results by using the "L4-RADM-01-08-Handle validation Results of Common Domain message" call activity. Depending on the outcome (end event) of the "L4-RADM-01-08-Handle validation Results of Common Domain message" call activity, the following may happen:

a. If a refusal message (IE917/IE702) is sent to the MSA Central Services (since the Common Request message was found invalid), the whole process ends at this point;

b. If the Common Request message (IE701) is recorded (since it was found valid), the process continues.

Following, SEED builds an Operations on the Reference Data message, IE734 (containing the SEED data requested by the concerned MSA) and stores it. Then, SEED notifies the concerned MSA Central Services of the Operations on the Reference Data message (IE734) and the whole process ends.

5.3.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-RDM-01-02
Full Name	Consultation of other reference data by MSA central services
Assumptions	N/A
Constraints	N/A
L3 Reference Models	L3-RDM-01-02-Consultation of reference data by MSA central services
Existing Specifications	Design Document for National Excise Applications - v3.02

Table 5.17: Process Details

5.3.3. Tasks and Events

Event Common Request for re-synchronisation of the reference data received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Common Request for re-synchronisation of the reference data received
Event Type	Message start event
Description	Common Request message (IE701) indicating a request for re-synchronisation of reference data (Request Type is "2: Request for reference data") is received. This shows that the concerned MSA requests from the Common Domain Central Services all or part of the update information in order to obtain an up-to-date Reference Data in SEED database.
Previous Objects	MSA Central Services

Table 5.18: Event Common Request for re-synchronisation of the reference data received

Task Perform validation of Common Request

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Common Request
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-RADM-01-07-Perform validation of Common Domain message.
Actor	SEED
Input Data	
Output Data	
Previous Objects	Common Request for re-synchronisation of the reference data received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.19: Task Perform validation of Common Request

Task Handle validation results of common request

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of common request
Task Type	Call activity (collapsed)

Description	This task is modeled in a separate process: L4-RADM-01-08-Handle validation Results of Common Domain message.
Actor	SEED
Input Data	
Output Data	
Previous Objects	Perform validation of Common Request
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.20: Task Handle validation results of common request

Event Refusal message sent to the MSA Central Services since the Common Request had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to the MSA Central Services since the Common Request had been found invalid
Event Type	End event
Description	Refusal message (IE917/IE702) sent to the MSA Central Services since the Common Request (IE701) had been found invalid.
Previous Objects	What is the outcome of handling the validation results

Table 5.21: Event Refusal message sent to the MSA Central Services since the Common Request had been found invalid

Event Common Request recorded

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Common Request recorded
Event Type	Conditional intermediate event
Description	The Common Request message (IE701) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of handling the validation results

Table 5.22: Event Common Request recorded

Task Build Operations on the Reference Database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Operations on the Reference Database
Task Type	Service task
Description	SEED builds an Operations on the Reference Database message (IE734) containing the modifications or the data items of Reference Data for the period specified.
Actor	SEED
Appears also in the following processes	L4-RDM-01-01-Maintenance and dissemination of reference data other than the EOL
Input Data	C_RDD_DAT
Output Data	C_RDD_DAT
Previous Objects	Common Request recorded
Information Exchange	
Requirements	RDM_FUR_0001
Data Set	
Events	
State	

Table 5.23: Task Build Operations on the Reference Database

Task Record Operations on the Reference Database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Operations on the Reference Database
Task Type	Service task
Description	The Operations on the Reference Database message (IE734) is stored.
Actor	SEED
Appears also in the following processes	L4-RDM-01-01-Maintenance and dissemination of reference data other than the EOL
Input Data	C_RDD_DAT
Output Data	C_RDD_DAT
Previous Objects	Build Operations on the Reference Database

Information Exchange	
Requirements	RDM_FUR_0002
Data Set	
Events	
State	

Table 5.24: Task Record Operations on the Reference Database

Task Notify MSA Central Services of Operations on the Reference Database

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA Central Services of Operations on the Reference Database
Task Type	Send task
Description	SEED notifies the concerned MSA Central Services of the Operations on the Reference Database message (IE734).
Actor	SEED
Appears also in the following processes	L4-RDM-01-01-Maintenance and dissemination of reference data other than the EOL
Input Data	C_RDD_DAT
Output Data	
Previous Objects	Record Operations on the Reference Database
Information Exchange	operations on the reference data base
Requirements	RDM_FUR_0003
Data Set	
Events	
State	

Table 5.25: Task Notify MSA Central Services of Operations on the Reference Database

Event Requested Reference Data made available to the concerned MSA

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Requested Reference Data made available to the concerned MSA
Event Type	End event
Description	The requested information of Reference Data (Operations on the Reference Database message, IE734) have been made available to the concerned

	MSA.
Previous Objects	Notify MSA Central Services of Operations on the Reference Database

Table 5.26: Event Requested Reference Data made available to the concerned MSA

5.4. Process L4-RDM-01-03-Consultation of public reference data by economic operators

5.4.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the Consultation of public reference data by economic operators, in accordance with the current Common Specifications (FESS).

The current process is triggered when a MSA (MSA Central Services) receives an External Request for Reference Data (IE705) from an economic operator, indicating a request for up-to Reference Data information.

After receiving the External Request for Reference Data, IE705 (indicating a request for re-synchronisation of Reference Data), MSA Central Services records the request and the process continues.

Following, MSA Central Services builds an External List Of Codes message, IE733 (containing the reference data requested by the concerned economic operator) and stores it. Then, MSA Central Services notifies the concerned economic operator on the External List Of Codes message (IE735) and the whole process ends.

5.4.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-RDM-01-03
Full Name	Consultation of public reference data by economic operators
Assumptions	According to FESS Section III, Sub-section 5.5, the Use Case "Consultation of public reference data by economic operators (UC1.13)" describes the functionality where Economic operators get the necessary reference data from their respective MSA. Hence, this functionality is performed between the Economic Operator and the MSA central services (via the messages E_REQ_SUB (IE705) and E_COD_DAT (IE733)), without the involvement of the Common Domain central services. Thus, the UC1.13 concerns only the National Domain.
Constraints	N/A
L3 Reference Models	L3-RDM-01-03-Consultation of public reference data by economic operators
Existing Specifications	Design Document for National Excise Applications - v3.02

Table 5.27: Process Details

5.4.3. Tasks and Events

Event External Request for Reference Data re-synchronisation received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	External Request for Reference Data re-synchronisation received
Event Type	Message start event
Description	External Request for Reference Data message (IE705) indicating a request for re-synchronisation of reference data is received. This shows that the concerned Economic Operator requests from the MSA Central Services an up-to-date version of publicly available reference data.
Previous Objects	Economic Operator

Table 5.28: Event External Request for Reference Data re-synchronisation received

Task Build External List of Codes

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build External List of Codes
Task Type	Service task
Description	MSA Central Services application builds an External List of Codes message (IE733) containing an up-to-date version of publicly available reference data as requested in the corresponding External Request for Reference Data message (IE705) by the concerned Economic Operator.
Actor	MSA Central Application
Input Data	
Output Data	E_COD_DAT
Previous Objects	External Request for Reference Data re-synchronisation received
Information Exchange	external request for reference data
Requirements	RDM_FUR_0004
Data Set	
Events	
State	

Table 5.29: Task Build External List of Codes

Task Record External List of Codes

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE

Task Name	Record External List of Codes
Task Type	Service task
Description	The External List of Codes message (IE733) is stored.
Actor	MSA Central Application
Input Data	E_COD_DAT
Output Data	E_COD_DAT
Previous Objects	Build External List of Codes
Information Exchange	
Requirements	RDM_FUR_0005
Data Set	
Events	
State	

Table 5.30: Task Record External List of Codes

Task Notify Economic Operator on the External List of Codes

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Economic Operator on the External List of Codes
Task Type	Send task
Description	MSA Central Services application notifies the concerned Economic Operator on External List of Codes message (IE733).
Actor	MSA Central Application
Input Data	E_COD_DAT
Output Data	
Previous Objects	Record External List of Codes
Information Exchange	external list of codes
Requirements	RDM_FUR_0006
Data Set	
Events	
State	

Table 5.31: Task Notify Economic Operator on the External List of Codes

Event Latest Reference Data made available to concerned Economic Operator

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Latest Reference Data made available to concerned Economic Operator
Event Type	End event
Description	The requested up-to-date version information of Reference Data (External List of Codes message, IE733) have been made available to the concerned Economic Operator.
Previous Objects	Notify Economic Operator on the External List of Codes

Table 5.32: Event Latest Reference Data made available to concerned Economic Operator