

Excise Functional Requirements BPM Report for Duty Paid B2B (Draft)
COVER PAGE

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# 1. INTRODUCTION

## 1.1. Document Purpose

This document presents the L4 Functional Requirements Processes, consolidating the Duty Suspension and Duty Paid B2B domains. 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;

INTRODUCTION
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- 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

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## 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
ELO	Excise Liaison Office
EMCS	Excise Movement and Control System
EOL	Excise Office List
e-AD	Electronic Administrative Document
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	SC15 DLV-6.4-1-(10) EU CUSTOMS BPM METHODOLOGY DOCUMENT-v3.00	DG TAXUD	3.00	10/01/2014
R02	Functional Excise System	DG TAXUD	v3.65	13/11/2013

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	Specifications			
R03	Design Document for National Excise Applications (EMCS Phase 3)	DG TAXUD	v1.76	13/11/2013

Table

2.2:

Reference

Documents

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DOCUMENT HISTORY

### 3. DOCUMENT HISTORY

ED.	REV.	DATE	DESCRIPTION	ACTION *	PAGES
1	00	05/02/2020	Production of the EMCS Phase 4 BPMs, consolidating the Duty Suspension and Duty Paid BPMs and artefacts in accordance with SC07-RfA#559.  Submitted for Information to DG Taxation and Customs Union and Member States.	I, U	All
1	01	03/04/2020	Production of the EMCS Phase 4 BPMs, consolidating the Duty Suspension and Duty Paid BPMs and artefacts in accordance with SC07-RfA#559.  Submitted for Review to DG Taxation and Customs Union.	I, U	All
1	02	11/05/2020	Implementation of the draft EMCS Phase 4 BPMs and artefacts in accordance with SC07-RfA#559.  Submitted for Acceptance to DG Taxation and Customs Union.	I, U	All
1	03	22/05/2020	Published for Member States review (MSP).	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	The excise office that receives the External Domain message. This can be the MSA of Dispatch or the MSA of Destination.
Claiming MSA	The MSA that estimates having the right to claim a part of duties on shortages and Excesses.
Consignee	The Economic Operator that reports receipt or refusal of goods, alerts on non-conformity of documents, possibly rejects the e-AD/e-SAD.
Customs Office of Export	The customs office designated by the customs authorities in accordance with the customs legislation where for goods leaving the customs territory of the Union the formalities for placing them under the export procedure are to be carried out or where a re-export notification is to be lodged, where applicable.
Economic Operator	Any economic operator involved at a given movement either as Consignor or as a Consignee.
Consignor	The Economic Operator that submits the e-AD/e-SAD and all possible changes, e.g. change of destination, splitting (duty suspension only), cancellation (duty suspension only), etc. to the MSA of Dispatch. The Consignor is the owner of the contents of an e-AD/e-SAD, i.e. he is the only one allowed to change its contents.
Receiving MSA	The excise office that receives the Common Domain message. This can be any MSA, i.e. the MSA of Dispatch, the MSA of Destination/ MSA of Export or a third MSA.
Economic Operator	Any economic operator involved at a given movement either as Consignor or as a Consignee.
MSA of Dispatch	The excise office that validates and stores all information

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	submitted by the Consignor, in particular all successive states of the e-AD/e-SAD, before sending this information to the MSA Destination application. It monitors the outgoing traffic, e.g. the goods leaving the tax warehouse.
MSA of Destination	The excise office that monitors the incoming traffic, i.e. the goods entering into tax warehouse.
EMCS	EMCS (Excise Movement and Control System) is a computerised system for monitoring movements of excise goods within the EU.
Excise officer	The Excise Officer performs operational duties that belong to the MSA in EMCS movement.
Sending MSA	The excise office that sends the Common Domain message. This can be any MSA, i.e. the MSA of Dispatch, the MSA of Destination/ MSA of Export or a third MSA.
Former Consignee	The Consignee mentioned in the original e-AD/e-SAD and which is no longer the Consignee of the movement, due to a Change of Destination or Splitting(i.e Duty Suspension only) performed on the specific movement.

Actors

## 5. PROCESS MODELS

### 5.1. Process L4-CORE-01-01-Submit and Register e-AD/e-SAD

#### 5.1.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the e-AD/e-SAD for a movement of Excise Goods under suspension of Excise Duty (inside the territory of the European Union), in accordance with the current Common Specifications (FESS and DDNEA).

The origin of the movement of Excise Goods under suspension of Excise Duty can be a Tax warehouse or Import. The destination of the movement of Excise Goods (under suspension of Excise Duty) can be a Tax warehouse, a Registered consignee, a Temporary registered consignee, a Direct Delivery, an Exempted consignee (\*) or Export.

The origin of the movement of Excise Goods for Duty Paid B2B can be 'Duty Paid B2B'. The destination of the movement of Excise Goods for Duty Paid B2B can be a Certified consignee or a Temporary certified consignee.

The process is triggered when the EMCS at MSA of Dispatch receives a draft e-AD/e-SAD (IE815) from the Consignor. After the receipt of the draft e-AD/e-SAD, the EMCS at the MSA of Dispatch validates its data, by using the “Perform validation of draft e-AD/e-SAD” sub process. Then, the EMCS at MSA of Dispatch proceeds with the handling of the validation results by using the “Handle validation results of draft e-AD/e-SAD” call activity. Depending on the outcome (end event) of the “Handle validation results of draft e-AD/e-SAD” call activity, the following may happen:

- a. If a refusal message (IE917/IE704) is sent to the Consignor (since the draft e-AD/e-SAD was found invalid), the whole process ends at this point;
- b. If the e-AD/e-SAD (IE801) is recorded (since the draft e-AD/e-SAD was found valid), the process continues.

Then, the EMCS at MSA of Dispatch sets the state of the e-AD/e-SAD to Accepted or Accepted for Export (in case of Local Clearance at Export) and notifies the Consignor of the e-AD/e-SAD (IE801).

Following, the EMCS at MSA of Dispatch identifies whether the destination of the movement is known:

- In case the destination of the movement is unknown -only applicable for movements under suspension (i.e. the destination fields were left empty according to Article 22 of Directive 2008/118/EC), the EMCS at MSA of Dispatch starts the timer TIM\_FDF (to expire at the limit date for filling in these fields) and the process continues;
- In case the destination of the movement is known, the EMCS at MSA of Dispatch notifies the MSA of Destination/ MSA of Export of the e-AD/e-SAD (IE801) and the process continues.

Then, the EMCS at MSA of Dispatch starts the timer TIM\_EAD\_ESAD at the date of dispatch (to expire at the expected end of movement, i.e. date of dispatch plus journey time) and the process continues.

After the receipt of the e-AD/e-SAD, the EMCS at MSA of Destination/ MSA of Export proceeds with validating its data, by using the “Perform validation of e-AD/e-SAD” sub process. Then, the EMCS at MSA of Destination/ MSA of Export proceeds with the handling of the validation results by using the “Handle

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validation results of e-AD/e-SAD” call activity. Depending on the outcome (end event) of the “Handle validation results of e-AD/e-SAD” call activity, the following may happen:

- a. If a refusal message (IE917/IE906) is sent to the MSA of Dispatch (since the e-AD/e-SAD was found invalid), the whole process ends at this point;
- b. If the e-AD/e-SAD is recorded (since the e-AD/e-SAD was found valid), the process continues.

Then, the EMCS at MSA of Destination/ MSA of Export sets state of the e-AD/e-SAD to Accepted or Accepted for Export (in case of Local Clearance at Export). After this:

- In case of MSA of Export, the whole process ends here;
- In case of MSA of Destination, the EMCS at MSA of Destination notifies the Consignee of the e-AD/e-SAD (IE801) and the whole process ends.

(\*) The exempted consignees (Article 12 and 13 of the Council Directive 2008/118/EC) will be dealt separately.

### 5.1.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-01
Full Name	Submit and Register an e-AD/e-SAD
Assumptions	<ul style="list-style-type: none"> <li>• The e-AD/e-SAD should be submitted as short as possible before the day of dispatch, no longer than 1 week (7 calendar days) before this day.</li> </ul>
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-01-Submit and Register an e-AD/e-SAD
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.1: Process Details

### 5.1.3. Tasks and Events

#### Task Perform validation of draft e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of draft e-AD/e-SAD
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-04-Perform validation of External Domain message
Actor	EMCS

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Input Data	
Output Data	
Previous Objects	Draft e-AD/e-SAD received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.2: Task Perform validation of draft e-AD/e-SAD

### Event Draft e-AD/e-SAD received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Draft e-AD/e-SAD received
Event Type	Message start event
Description	The current process starts when the MSA of Dispatch receives a draft e-AD/e-SAD (IE815) from the Consignor.
Previous Objects	Consignor

Table 5.3: Event Draft e-AD/e-SAD received

### Task Handle validation results of draft e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of draft e-AD/e-SAD
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-06-Handle validation Results of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of draft e-AD/e-SAD
Information Exchange	
Requirements	
Data Set	
Events	
State	

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Table 5.4: Task Handle validation results of draft e-AD/e-SAD

### Event Refusal message sent to Consignor since draft e-AD/e-SAD had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to Consignor since draft e-AD/e-SAD had been found invalid
Event Type	End event
Description	
Previous Objects	What is the outcome of the handling of validation results?

Table 5.5: Event Refusal message sent to Consignor since draft e-AD/e-SAD had been found invalid

### Event e-AD/e-SAD recorded since draft e-AD/e-SAD had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD recorded since draft e-AD/e-SAD had been found valid
Event Type	Conditional intermediate event
Description	The e-AD/e-SAD (IE801) was recorded since the draft e-AD/e-SAD (IE815) had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.6: Event e-AD/e-SAD recorded since draft e-AD/e-SAD had been found valid

### Task Set e-AD/e-SAD state to Accepted or Accepted for Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Set e-AD/e-SAD state to Accepted or Accepted for Export
Task Type	Service task
Description	<p>If the movement is not for Local Clearance at Export, the MSA sets the e-AD/e-SAD to the Accepted state.</p> <p>If the movement is for Local Clearance at Export, the MSA sets thee-AD/e-SAD to the Accepted for Export state</p>
Actor	EMCS
Appears also in the following processes	L4-CORE-01-01-Submit and Register e-AD/e-SAD
Input Data	Destination Type Code Sequence Number ARC
Output Data	e-AD/e-SAD state

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Previous Objects	e-AD/e-SAD recorded since draft e-AD/e-SAD had been found valid
Information Exchange	
Requirements	COR_FUR_0001
Data Set	e-AD/e-SAD state
Events	the Destination Type of the movement is anything but “6 = Destination - Export” the Destination Type of the movement is “6 = Destination - Export”
State	Accepted for Export Accepted

Table 5.7: Task Set e-AD/e-SAD state to Accepted or Accepted for Export

### Task Notify Consignor of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignor of e-AD/e-SAD
Task Type	Send task
Description	The MSA of Dispatch notifies the Consignor of the e-AD/e-SAD (IE801).
Actor	EMCS
Input Data	C_EAD_VAL
Output Data	
Previous Objects	Set e-AD/e-SAD state to Accepted or Accepted for Export
Information Exchange	e-AD/e-SAD
Requirements	COR_FUR_0002
Data Set	
Events	
State	

Table 5.8: Task Notify Consignor of e-AD/e-SAD

### Task Identify whether Destination of the movement is known (Duty Suspension only)

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether Destination of the movement is known (Duty Suspension only)

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Task Type	Service task
Description	<p>The MSA of Dispatch identifies whether the destination of the movement is known (i.e. whether the destination fields in the e-AD/e-SAD (IE801) are filled in).</p> <p>Note: This task is only performed for movements of goods under duty suspension.</p>
Actor	EMCS
Input Data	Destination Type Code Sequence Number ARC
Output Data	Result Identify whether the destination of the movement is known
Previous Objects	Notify Consignor of e-AD/e-SAD
Information Exchange	
Requirements	COR_FUR_0003
Data Set	
Events	
State	

Table 5.9: Task Identify whether Destination of the movement is known (Duty Suspension only)

### Task Start timer TIM\_FDF

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Start timer TIM_FDF
Task Type	Service task
Description	<p>If the destination of the movement is unknown (i.e. the destination fields were left empty according to Article 22 of Directive 2008/118/EC), the MSA of Dispatch starts a timer (TIM_FDF) to expire at the limit date for filling in these fields.</p> <p>That limit date cannot be later than the expected end of movement (i.e. the expiry of the TIM_EAD_ESAD timer).</p>
Actor	EMCS
Input Data	Result Identify whether the destination of the movement is known Sequence Number ARC
Output Data	TIM_FDF Expiry Date



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Previous Objects	Is the destination of the movement known?
Information Exchange	
Requirements	COR_FUR_0004
Data Set	
Events	
State	

Table 5.10: Task Start timer TIM\_FDF

### Task Notify MSA of Destination/ MSA of Export of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA of Destination/ MSA of Export of e-AD/e-SAD
Task Type	Send task
Description	If the destination of the movement is known, the MSA of Dispatch notifies the MSA of Destination/ MSA of Export of the e-AD/e-SAD (IE801).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-14-Perform Change of Destination indicating Change of Consignee
Input Data	C_EAD_VAL
Output Data	
Previous Objects	Is the destination of the movement known?
Information Exchange	e-AD/e-SAD
Requirements	COR_FUR_0005
Data Set	
Events	
State	

Table 5.11: Task Notify MSA of Destination/ MSA of Export of e-AD/e-SAD

### Task Start timer TIM\_EAD\_ESAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Start timer TIM_EAD_ESAD
Task Type	Service task
Description	The MSA of Dispatch starts a timer (TIM_EAD_ESAD) at the date of dispatch to expire at the expected end of movement (date of dispatch plus

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	journey time).
Actor	EMCS
Input Data	Sequence Number ARC
Output Data	Timer TIM_EAD_ESAD Expiry Date
Previous Objects	Merging gateway for timers initiation
Information Exchange	
Requirements	COR_FUR_0006
Data Set	
Events	
State	

Table 5.12: Task Start timer TIM\_EAD\_ESAD

### Event e-AD/e-SAD received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD received
Event Type	Message start event
Description	The MSA of Destination received the e-AD/e-SAD (IE801) from the MSA of Dispatch.
Previous Objects	Notify MSA of Destination/ MSA of Export of e-AD/e-SAD

Table 5.13: Event e-AD/e-SAD received

### Task Perform validation of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of e-AD/e-SAD
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Appears also in the following processes	L4-CORE-01-16-Handle e-AD/e-SAD upon Change of Destination
Input Data	
Output Data	
Previous Objects	e-AD/e-SAD received

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Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.14: Task Perform validation of e-AD/e-SAD

### Event e-AD/e-SAD is in Accepted or Accepted for Export state

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD is in Accepted or Accepted for Export state
Event Type	End event
Description	The e-AD/e-SAD is in the Accepted or Accepted for Export state.
Previous Objects	Start timer TIM_EAD_ESAD

Table 5.15: Event e-AD/e-SAD is in Accepted or Accepted for Export state

### Task Handle validation results of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of e-AD/e-SAD
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message
Actor	EMCS
Appears also in the following processes	L4-CORE-01-16-Handle e-AD/e-SAD upon Change of Destination
Input Data	
Output Data	
Previous Objects	Perform validation of e-AD/e-SAD
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.16: Task Handle validation results of e-AD/e-SAD

### Event Refusal message sent to MSA of Dispatch since e-AD/e-SAD had been found invalid

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EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Dispatch since e-AD/e-SAD had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to MSA of Dispatch since the e-AD/e-SAD (IE801) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.17: Event Refusal message sent to MSA of Dispatch since e-AD/e-SAD had been found invalid

### Event e-AD/e-SAD recorded since it had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD recorded since it had been found valid
Event Type	Conditional intermediate event
Description	The e-AD/e-SAD (IE801) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.18: Event e-AD/e-SAD recorded since it had been found valid

### Task Set e-AD/e-SAD state to Accepted or Accepted for Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Set e-AD/e-SAD state to Accepted or Accepted for Export
Task Type	Service task
Description	<p>If the movement is not for Local Clearance at Export, the MSA sets the e-AD/e-SAD to the Accepted state.</p> <p>If the movement is for Local Clearance at Export, the MSA sets the e-AD/e-SAD to the Accepted for Export state</p>
Actor	EMCS
Appears also in the following processes	L4-CORE-01-01-Submit and Register e-AD/e-SAD
Input Data	Destination Type Code Sequence Number ARC
Output Data	e-AD/e-SAD state
Previous Objects	e-AD/e-SAD recorded since it had been found valid

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PROCESS MODELS

Information Exchange	
Requirements	COR_FUR_0001
Data Set	e-AD/e-SAD state
Events	the Destination Type of the movement is anything but “6 = Destination - Export” the Destination Type of the movement is “6 = Destination - Export”
State	Accepted for Export Accepted

Table 5.19: Task Set e-AD/e-SAD state to Accepted or Accepted for Export

### Task Notify Consignee of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignee of e-AD/e-SAD
Task Type	Send task
Description	The MSA of Destination notifies the Consignee of the e-AD/e-SAD (IE801).
Actor	EMCS
Input Data	C_EAD_VAL
Output Data	
Previous Objects	Is the destination of the movement for Export?
Information Exchange	e-AD/e-SAD
Requirements	COR_FUR_0007
Data Set	
Events	
State	

Table 5.20: Task Notify Consignee of e-AD/e-SAD

### Event e-AD/e-SAD found valid and received by MSA of Export

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD found valid and received by MSA of Export
Event Type	End event

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PROCESS MODELS

Description	The e-AD/e-SAD (IE801) was found valid and received by MSA of Export. At this point the process ends.
Previous Objects	Is the destination of the movement for Export?

Table 5.21: Event e-AD/e-SAD found valid and received by MSA of Export

### Event e-AD/e-SAD found valid and message sent to Consignee

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD found valid and message sent to Consignee
Event Type	End event
Description	The e-AD/e-SAD (IE801) was found valid, the MSA of Destination sent the e-AD/e-SAD (IE801) to the Consignee and the process ends.
Previous Objects	Notify Consignee of e-AD/e-SAD

Table 5.22: Event e-AD/e-SAD found valid and message sent to Consignee

## 5.2. Process L4-CORE-01-02-Perform Report of Receipt/Export

### 5.2.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the Report of Receipt/Export for an Excise movement (inside the territory of the European Union), in accordance with the current Common Specifications (FESS and DDNEA).

The process is triggered when:

- The EMCS at MSA of Destination receives a draft Report of Receipt (draft IE818) from the Consignee; or
- The EMCS at MSA of Export receives Exit Results (IE518) from the Customs Office of Export.

In case the process starts when the EMCS at MSA of Destination receives a draft Report of Receipt (draft IE818) from the Consignee, the EMCS at MSA of Destination proceeds with validating the data of the draft Report of Receipt, by using the “Perform validation of draft Report of Receipt” sub process. Then, the EMCS at MSA of Destination proceeds with the handling of the validation results by using the “Handle validation results of draft Report of Receipt” call activity. Depending on the outcome (end event) of the “Handle validation results of draft Report of Receipt” call activity, the following may happen:

- If a refusal message (IE917/IE704) is sent to the Consignee (since the e-AD/e-SAD was found invalid), the whole process ends at this point;
- If the Report of Receipt (IE818) is recorded (since the draft Report of Receipt was found valid), the process continues.

Then, the EMCS at MSA of Destination identifies whether the content of the Report of Receipt indicates that the consignment has been accepted, partially refused or refused. Based on this, it changes the e-AD/e-SAD state to Delivered, Partially Refused or Refused, respectively. After this, the EMCS at MSA of Destination notifies the Consignee of the Report of Receipt (IE818) and the process continues.

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PROCESS MODELS

In case the process starts when the EMCS at MSA of Export receives Exit Results (IE518) from the Customs Office of Export, the EMCS at MSA of Export identifies whether the content of the Exit Results indicates that the consignment has been accepted or refused. Based on this, it builds either a Report of Export (IE818) indicating acceptance or a Report of Export (IE818) indicating refusal, respectively. Subsequently, the EMCS at MSA of Export records the Report of Export. Then, it changes the e-AD/e-SAD state to Delivered or Refused and the process continues.

Then, the EMCS at MSA of Destination/ MSA of Export notifies the MSA of Dispatch of the Report of Receipt/Export (IE818). After the receipt of the Report of Receipt/Export, the EMCS at MSA of Dispatch proceeds with validating its data, by using the “Perform validation of Report of Receipt/Export” sub process. Then, the EMCS at MSA of Dispatch proceeds with the handling of the validation results by using the “Handle validation results of Report of Receipt/Export” call activity. Depending on the outcome (end event) of the “Handle validation results of Report of Receipt/Export” call activity, the following may happen:

a. If a refusal message (IE917/IE906) is sent to the MSA of Destination/ MSA of Export (since the Report of Receipt/Export was found invalid), the whole process ends at this point;

b. If the Report of Receipt/Export is recorded (since the Report of Receipt/Export was found valid), the process continues.

Then, the EMCS at MSA of Dispatch identifies whether it is a Report of Receipt or a Report of Export. In case of Report of Receipt, the EMCS at MSA of Dispatch identifies whether the content of the Report of Receipt indicates that the consignment has been accepted, partially refused or refused. Based on this, it changes the e-AD/e-SAD state to Delivered, Partially Refused or Refused, respectively. In case of Report of Export, the EMCS at MSA of Dispatch identifies whether the content of the Report of Export indicates that the consignment has been accepted or refused. Based on this, it changes the e-AD/e-SAD state to Delivered or Refused, respectively. After this, the EMCS at MSA of Dispatch notifies the Consignor of the Report of Receipt/Export (IE818) and the process continues.

Following, in case the Report of Receipt/Export indicated that the consignment has been partially refused or refused, the EMCS at MSA of Dispatch starts the timer TIM\_CHS (to expire at the limit date for submission of a change of destination (IE813) or splitting (IE825)) and the whole process ends here.

In case the Report of Receipt/Export indicated that the consignment has been accepted, the EMCS at MSA of Dispatch identifies whether the timer TIM\_EAD\_ESAD is still running:

- If the TIM\_EAD\_ESAD is still running, the EMCS at MSA of Dispatch stops this timer (that was to expire at the expected end of the movement) and the whole process ends;
- If the TIM\_EAD\_ESAD has already expired, the EMCS at MSA of Dispatch resets the flag that has been raised locally (at expiration time) and finally the whole process ends.

### 5.2.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-02
Full Name	Perform Report of Receipt/Export
Assumptions	

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PROCESS MODELS

	The Consignee has an up-to-date copy of the e-AD/e-SAD regarding the movement
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-02-Perform Report of Receipt/ Export
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.23: Process Details

### 5.2.3. Tasks and Events

#### Task Identify whether the Consignment has been Accepted or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the Consignment has been Accepted or Refused
Task Type	Service task
Description	The MSA identifies if the Consignment has been accepted (accepted and satisfactory or accepted although unsatisfactory) or refused, based on the Control Result Code of the received Exit Results (IE518).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	UCC - Control Result Code
Output Data	Result Identify whether the Consignment has been Accepted or Refused
Previous Objects	Exit Results received
Information Exchange	
Requirements	COR_FUR_0008
Data Set	
Events	
State	

Table 5.24: Task Identify whether the Consignment has been Accepted or Refused

#### Event Exit Results received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Exit Results received
Event Type	Message start event



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PROCESS MODELS

Description	The current process can start when the MSA of Export receives Exit Results (IE518) from the Customs Office of Export.
Previous Objects	Customs Office of Export

Table 5.25: Event Exit Results received

### Task Build Report of Export indicating Refusal

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Report of Export indicating Refusal
Task Type	Service task
Description	If the Consignment has been refused the MSA of Export builds a Report of Export (IE818) indicating Refusal.
Actor	EMCS
Input Data	UCC - Control Result Code
Output Data	
Previous Objects	Is the Consignment Accepted or Refused?
Information Exchange	Report of Receipt/Export
Requirements	COR_FUR_0009
Data Set	
Events	
State	

Table 5.26: Task Build Report of Export indicating Refusal

### Task Build Report of Export indicating Acceptance

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Report of Export indicating Acceptance
Task Type	Service task
Description	If the Consignment has been accepted, the MSA of Export builds a Report of Export (IE818) indicating Acceptance.
Actor	EMCS
Input Data	UCC - Control Result Code
Output Data	
Previous Objects	Is the Consignment Accepted or Refused?
Information Exchange	Report of Receipt/Export

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PROCESS MODELS

Requirements	COR_FUR_0010
Data Set	
Events	
State	

Table 5.27: Task Build Report of Export indicating Acceptance

### Task Perform validation of draft Report of Receipt

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of draft Report of Receipt
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-04-Perform validation of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Draft Report of Receipt received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.28: Task Perform validation of draft Report of Receipt

### Event Draft Report of Receipt received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Draft Report of Receipt received
Event Type	Message start event
Description	The current process can start when the MSA of Destination receives a draft Report of Receipt (IE818) from the Consignee.
Previous Objects	Consignee

Table 5.29: Event Draft Report of Receipt received

### Task Handle validation results of draft Report of Receipt

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
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Excise Functional Requirements BPM Report for Duty Paid B2B (Draft)
PROCESS MODELS

Task Name	Handle validation results of draft Report of Receipt
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-06-Handle validation Results of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of draft Report of Receipt
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.30: Task Handle validation results of draft Report of Receipt

### Task Record Report of Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Report of Export
Task Type	Service task
Description	The Report of Export (IE818) is stored.
Actor	EMCS
Input Data	C_DEL_DAT
Output Data	C_DEL_DAT
Previous Objects	Build Report of Export indicating Refusal Build Report of Export indicating Acceptance
Information Exchange	
Requirements	COR_FUR_0011
Data Set	
Events	
State	

Table 5.31: Task Record Report of Export

**Event Refusal message sent to Consignee since draft Report of Receipt had been found invalid**

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PROCESS MODELS

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to Consignee since draft Report of Receipt had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE704) was sent to the Consignee since the draft Report of Receipt (IE818) had been found invalid and the process ends.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.32: Event Refusal message sent to Consignee since draft Report of Receipt had been found invalid

### Event Report of Receipt recorded since draft Report of Receipt had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Report of Receipt recorded since draft Report of Receipt had been found valid
Event Type	Conditional intermediate event
Description	The Report of Receipt (IE818) was recorded since the draft Report of Receipt (IE818) had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.33: Event Report of Receipt recorded since draft Report of Receipt had been found valid

### Task Perform change of e-AD state to Delivered or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of e-AD state to Delivered or Refused
Task Type	Service task
Description	If the Consignment has been accepted the state of the e-AD is changed to Delivered. If the Consignment has been refused the state of the e-AD is changed to Refused.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	Global Conclusion of Receipt Sequence Number ARC
Output Data	e-AD State
Previous Objects	Record Report of Export

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PROCESS MODELS

Information Exchange	
Requirements	COR_FUR_0012
Data Set	e-AD State
Events	A Report of Export indicating acceptance has been recorded A Report of Export indicating refusal has been recorded
State	Delivered Refused

Table 5.34: Task Perform change of e-AD state to Delivered or Refused

### Task Identify whether the Consignment has been Accepted, Partially Refused or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the Consignment has been Accepted, Partially Refused or Refused
Task Type	Service task
Description	The MSA identifies if the Consignment has been accepted (accepted and satisfactory or accepted although unsatisfactory), partially refused or refused based on the Global Conclusion of Receipt of the received Report of Receipt (IE818).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	Global Conclusion of Receipt Sequence Number ARC
Output Data	Result Identify whether the Consignment has been Accepted, Partially Refused or Refused
Previous Objects	Report of Receipt recorded since draft Report of Receipt had been found valid
Information Exchange	
Requirements	COR_FUR_0013
Data Set	
Events	
State	

Table 5.35: Task Identify whether the Consignment has been Accepted, Partially Refused or Refused

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PROCESS MODELS

### Task Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused
Task Type	Service task
Description	<p>If the Consignment has been accepted the state of the e-AD/e-SAD is changed to Delivered.</p> <p>If the Consignment has been partially refused the state of the e-AD/e-SAD is changed to Partially Refused.</p> <p>If the Consignment has been refused the state of the e-AD/e-SAD is changed to Refused.</p>
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	<p>ARC</p> <p>Global Conclusion of Receipt</p> <p>Sequence Number</p>
Output Data	e-AD/e-SAD state
Previous Objects	Identify whether the Consignment has been Accepted, Partially Refused or Refused
Information Exchange	
Requirements	COR_FUR_0014
Data Set	e-AD/e-SAD state
Events	<p>A Report of Receipt indicating refusal has been recorded</p> <p>A Report of Receipt indicating partial refusal has been recorded</p> <p>A Report of Receipt indicating acceptance has been recorded</p>
State	<p>Delivered</p> <p>Refused</p> <p>Partial Refused</p>

Table 5.36: Task Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused

### Event Report of Receipt/Export received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Report of Receipt/Export received
Event Type	Message start event

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Description	The MSA of Dispatch received the Report of Receipt/Export (IE818) from the MSA of Destination.
Previous Objects	Notify MSA of Dispatch of Report of Receipt/Export

Table 5.37: Event Report of Receipt/Export received

### Task Perform validation of Report of Receipt/Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Report of Receipt/Export
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Report of Receipt/Export received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.38: Task Perform validation of Report of Receipt/Export

### Task Notify Consignee of the Report of Receipt

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignee of the Report of Receipt
Task Type	Send task
Description	The MSA of Destination notifies the Consignee of the Report of Receipt (IE818).
Actor	EMCS
Input Data	C_DEL_DAT
Output Data	
Previous Objects	Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused
Information Exchange	Report of Receipt/Export
Requirements	COR_FUR_0015

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PROCESS MODELS

Data Set	
Events	
State	

Table 5.39: Task Notify Consignee of the Report of Receipt

### Task Manage Duty

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Manage Duty
Task Type	Subprocess
Description	<p>The MSA of Destination performs any necessary formalities to ensure that the consignee has fulfilled all his/her legal obligations (e.g. payment of excise duty), before forwarding the Report of Receipt for a duty paid B2B movement to the MSA of Dispatch.</p> <p>It shall be highlighted that the Report of Receipt for Duty Paid B2B movements has two different implications depending on the transmitter.</p> <ul style="list-style-type: none"> <li>- from consignee to MS of Destination (“goods have been received”)</li> <li>- from MS of Destination to MS of Dispatch (“all necessary formalities fulfilled at destination” and consequently refund allowed)</li> </ul> <p>*This task is not modeled in a separate process because it is a national matter.</p>
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Is it a Duty Paid movement?
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.40: Task Manage Duty

### Task Handle validation results of Report of Receipt/Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of Report of Receipt/Export
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle



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	validation Results of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of Report of Receipt/Export
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.41: Task Handle validation results of Report of Receipt/Export

### Task Notify MSA of Dispatch of Report of Receipt/Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA of Dispatch of Report of Receipt/Export
Task Type	Send task
Description	<p>The MSA of Destination notifies the MSA of Dispatch of Report of Receipt/Export (IE818).</p> <p>It shall be highlighted that the Report of Receipt for Duty Paid B2B movements has two different implications depending on the transmitter.</p> <ul style="list-style-type: none"> <li>- from consignee to MS of Destination (“goods have been received”)</li> <li>- from MS of Destination to MS of Dispatch (“all necessary formalities fulfilled at destination” and consequently refund allowed)</li> </ul>
Actor	EMCS
Input Data	C_DEL_DAT
Output Data	
Previous Objects	<p>Perform change of e-AD state to Delivered or Refused</p> <p>Manage Duty</p> <p>Is it a Duty Paid movement?</p>
Information Exchange	Report of Receipt/Export
Requirements	COR_FUR_0016
Data Set	
Events	
State	

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PROCESS MODELS

Table 5.42: Task Notify MSA of Dispatch of Report of Receipt/Export

### Event e-AD/e-SAD state changed into Delivered, Partially Refused or Refused

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD state changed into Delivered, Partially Refused or Refused
Event Type	End event
Description	The e-AD/e-SAD state at the MSA of Destination/ MSA of Export changed to Delivered, Partially Refused or Refused.
Previous Objects	Notify MSA of Dispatch of Report of Receipt/Export

Table 5.43: Event e-AD/e-SAD state changed into Delivered, Partially Refused or Refused

### Event Refusal message sent to MSA of Destination/ MSA of Export since Report of Receipt/Export had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Destination/ MSA of Export since Report of Receipt/Export had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to the MSA of Destination/ MSA of Export since the Report of Receipt/Export (IE818) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.44: Event Refusal message sent to MSA of Destination/ MSA of Export since Report of Receipt/Export had been found invalid

### Event Report of Receipt/Export recorded since it had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Report of Receipt/Export recorded since it had been found valid
Event Type	Conditional intermediate event
Description	The Report of Receipt/Export (IE818) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.45: Event Report of Receipt/Export recorded since it had been found valid

### Task Identify whether it is Report of Receipt or Report of Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
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Excise Functional Requirements BPM Report for Duty Paid B2B (Draft)
PROCESS MODELS

Task Name	Identify whether it is Report of Receipt or Report of Export
Task Type	Service task
Description	The MSA of Dispatch identifies if the received IE818 is a Report of Receipt or Report of Export. (This check can be done based on the Global Conclusion of Receipt of the received IE818).
Actor	EMCS
Input Data	ARC Sequence Number Global Conclusion of Receipt
Output Data	Result Identify whether it is Report of Receipt or Report of Export
Previous Objects	Report of Receipt/Export recorded since it had been found valid
Information Exchange	
Requirements	COR_FUR_0017
Data Set	
Events	
State	

Table 5.46: Task Identify whether it is Report of Receipt or Report of Export

### Task Identify whether the Consignment has been Accepted or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the Consignment has been Accepted or Refused
Task Type	Service task
Description	The MSA identifies if the Consignment has been accepted (accepted and satisfactory or accepted although unsatisfactory) or refused, based on the Control Result Code of the received Exit Results (IE518).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	UCC - Control Result Code
Output Data	Result Identify whether the Consignment has been Accepted or Refused
Previous Objects	Report of Receipt or Report of Export?
Information Exchange	
Requirements	COR_FUR_0008

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PROCESS MODELS

Data Set	
Events	
State	

Table 5.47: Task Identify whether the Consignment has been Accepted or Refused

### Task Identify whether the Consignment has been Accepted, Partially Refused or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the Consignment has been Accepted, Partially Refused or Refused
Task Type	Service task
Description	The MSA identifies if the Consignment has been accepted (accepted and satisfactory or accepted although unsatisfactory), partially refused or refused based on the Global Conclusion of Receipt of the received Report of Receipt (IE818).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	Global Conclusion of Receipt Sequence Number ARC
Output Data	Result Identify whether the Consignment has been Accepted, Partially Refused or Refused
Previous Objects	Report of Receipt or Report of Export?
Information Exchange	
Requirements	COR_FUR_0013
Data Set	
Events	
State	

Table 5.48: Task Identify whether the Consignment has been Accepted, Partially Refused or Refused

### Task Perform change of e-AD state to Delivered or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of e-AD state to Delivered or Refused
Task Type	Service task
Description	If the Consignment has been accepted the state of the e-AD is changed to Delivered.

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	If the Consignment has been refused the state of the e-AD is changed to Refused.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	Global Conclusion of Receipt Sequence Number ARC
Output Data	e-AD State
Previous Objects	Identify whether the Consignment has been Accepted or Refused
Information Exchange	
Requirements	COR_FUR_0012
Data Set	e-AD State
Events	A Report of Export indicating acceptance has been recorded A Report of Export indicating refusal has been recorded
State	Delivered Refused

Table 5.49: Task Perform change of e-AD state to Delivered or Refused

### Task Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused
Task Type	Service task
Description	If the Consignment has been accepted the state of the e-AD/e-SAD is changed to Delivered. If the Consignment has been partially refused the state of the e-AD/e-SAD is changed to Partially Refused. If the Consignment has been refused the state of the e-AD/e-SAD is changed to Refused.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	ARC Global Conclusion of Receipt Sequence Number

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Output Data	e-AD/e-SAD state
Previous Objects	Identify whether the Consignment has been Accepted, Partially Refused or Refused
Information Exchange	
Requirements	COR_FUR_0014
Data Set	e-AD/e-SAD state
Events	A Report of Receipt indicating refusal has been recorded A Report of Receipt indicating partial refusal has been recorded A Report of Receipt indicating acceptance has been recorded
State	Delivered Refused Partial Refused

Table 5.50: Task Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused

### Task Notify Consignor of Report of Receipt/Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignor of Report of Receipt/Export
Task Type	Send task
Description	The MSA of Dispatch notifies the Consignor of the Report of Receipt/Export (IE818).
Actor	EMCS
Input Data	C_DEL_DAT
Output Data	
Previous Objects	Perform change of e-AD/e-SAD state to Delivered, Partially Refused or Refused Perform change of e-AD state to Delivered or Refused
Information Exchange	Report of Receipt/Export
Requirements	COR_FUR_0018
Data Set	
Events	
State	

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Table 5.51: Task Notify Consignor of Report of Receipt/Export

### Task Start timer TIM\_CHS

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Start timer TIM_CHS
Task Type	Service task
Description	If the e-AD/e-SAD is rejected, the MSA of Dispatch application starts a timer (TIM_CHS) to expire at limit date for submission of a change of destination (or splitting only for Duty Suspension) or, exceptionally cancellation only for Duty Suspension movements.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-08-Perform Alert or Rejection
Input Data	ARC Global Conclusion of Receipt e-AD/e-SAD Rejected flag Sequence Number
Output Data	TIM_CHS Expiry Date
Previous Objects	Has the Consignment been accepted?
Information Exchange	
Requirements	COR_FUR_0019
Data Set	
Events	
State	

Table 5.52: Task Start timer TIM\_CHS

### Task Identify whether the timer TIM\_EAD\_ESAD is still running

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the timer TIM_EAD_ESAD is still running
Task Type	Service task
Description	The MSA of Dispatch identifies whether the timer TIM_EAD_ESAD is still running.
Actor	EMCS
Input Data	Global Conclusion of Receipt Timer TIM_EAD_ESAD Expiry Date Sequence Number ARC

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Output Data	Result Identify whether the TIM_EAD_ESAD is still running
Previous Objects	Has the Consignment been accepted?
Information Exchange	
Requirements	COR_FUR_0020
Data Set	
Events	
State	

Table 5.53: Task Identify whether the timer TIM\_EAD\_ESAD is still running

### Event Report of Receipt/Export sent to Consignor and timer TIM\_CHS initiated

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Report of Receipt/Export sent to Consignor and timer TIM_CHS initiated
Event Type	End event
Description	<p>When the Report of Receipt/Export (IE818) was found valid and the Consignment was Partially Refused or Refused, the MSA of Dispatch sent the Report of Report/Export (IE818) to the Consignor. The MSA of Dispatch also started the timer TIM_CHS to expire at the limit date for submission of a change of destination (IE813) or splitting* (IE825). This is the end of the process.</p> <p>* Splitting is only applicable for Duty Suspension</p>
Previous Objects	Start timer TIM_CHS

Table 5.54: Event Report of Receipt/Export sent to Consignor and timer TIM\_CHS initiated

### Task Stop timer TIM\_EAD\_ESAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Stop timer TIM_EAD_ESAD
Task Type	Service task
Description	If the timer TIM_EAD_ESAD is still running, the MSA of Dispatch stops this timer (that was to expire at the expected end of the movement).
Actor	EMCS
Input Data	<p>Result Identify whether the TIM_EAD_ESAD is still running</p> <p>Sequence Number</p> <p>ARC</p>
Output Data	TIM_EAD_ESAD End Date



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Previous Objects	Is timer TIM_EAD_ESAD still running?
Information Exchange	
Requirements	COR_FUR_0021
Data Set	
Events	
State	

Table 5.55: Task Stop timer TIM\_EAD\_ESAD

### Task Reset the flag of timer TIM\_EAD\_ESAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Reset the flag of timer TIM_EAD_ESAD
Task Type	Service task
Description	If the timer TIM_EAD_ESAD has already expired, the MSA of Dispatch resets the flag that has been raised locally (at expiration time).
Actor	EMCS
Input Data	Result Identify whether the TIM_EAD_ESAD is still running Sequence Number ARC
Output Data	TIM_EAD_ESAD Reset Flag Date
Previous Objects	Is timer TIM_EAD_ESAD still running?
Information Exchange	
Requirements	COR_FUR_0022
Data Set	
Events	
State	

Table 5.56: Task Reset the flag of timer TIM\_EAD\_ESAD

### Event Report of Receipt/Export sent to Consignor and TIM\_EAD\_ESAD either stopped or got flag reset

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Report of Receipt/Export sent to Consignor and TIM_EAD_ESAD either stopped or got flag reset

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Event Type	End event
Description	When the Report of Receipt/Export (IE818) was found valid and the Consignment was Accepted, the MSA of Dispatch sent the Report of Report/Export (IE818) to the Consignor. The MSA of Dispatch also stopped the timer TIM_EAD_ESAD (in case the timer TIM_EAD_ESAD was still running) or reset the flag that had been raised locally at expiration time (in case the timer TIM_EAD_ESAD had already expired). This is the end of the process.
Previous Objects	Stop timer TIM_EAD_ESAD Reset the flag of timer TIM_EAD_ESAD

Table 5.57: Event Report of Receipt/Export sent to Consignor and TIM\_EAD\_ESAD either stopped or got flag reset

### 5.3. Process L4-CORE-01-05-Handle validation Results of Common Domain message

#### 5.3.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the handling of the validation results of a message received over the Common Domain, in accordance with the current Common Specifications.

The process is triggered when a message received over the Common Domain is validated by the Receiving MSA and the validation results are available. Depending on the validation result the following may happen:

- a. If the Common Domain message was found invalid due to Syntactic violation(s), the EMCS at the Receiving MSA builds a Negative Acknowledgement of XML Receipt refusal message (IE917) and then it records it. Following, the EMCS at the Receiving MSA notifies the Sending MSA of the Negative Acknowledgement of XML Receipt refusal message (IE917). After the receipt of the Negative Acknowledgement of XML Receipt refusal message, the EMCS at the Sending MSA records it and the whole process ends at this point;
- b. If the Common Domain message was found invalid due to Coordination Protocol violation(s), the EMCS at the Receiving MSA builds a Functional Negative Acknowledgement refusal message (IE906) and then it records it. Following, the EMCS at the Receiving MSA notifies the Sending MSA of the Functional Negative Acknowledgement refusal message (IE906). After the receipt of the Functional Negative Acknowledgement refusal message, the EMCS at the Sending MSA records it and the whole process ends here;
- c. If the Common Domain message was found valid, the EMCS at the Receiving MSA records the valid message and the whole process ends.

#### 5.3.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-05
Full Name	Handle validation Results of

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PROCESS MODELS

	Common Domain message
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	N/A
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.58: Process Details

### 5.3.3. Tasks and Events

#### Event Common Domain message validated and results are available

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Common Domain message validated and results are available
Event Type	Start event
Description	The validation mechanism has processed the Common Domain message and produced validation results. The current process starts when the validation results are available to be handled.
Previous Objects	

Table 5.59: Event Common Domain message validated and results are available

#### Event Negative Acknowledgement of XML Receipt refusal message received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Negative Acknowledgement of XML Receipt refusal message received
Event Type	Message start event
Description	Sending MSA receives by Receiving MSA a Negative Acknowledgement of XML Receipt refusal message (IE917).
Previous Objects	Notify Sending MSA of Negative Acknowledgement of XML Receipt refusal message

Table 5.60: Event Negative Acknowledgement of XML Receipt refusal message received

#### Task Build Negative Acknowledgement of XML Receipt refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Negative Acknowledgement of XML Receipt refusal message
Task Type	Service task

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Description	If the message is found invalid due to Syntactic violation(s), the MSA builds a Negative Acknowledgement of XML Receipt refusal message (IE917).
Actor	EMCS
Input Data	Result Identify if the Common Domain message is syntactically valid
Output Data	C_XML_NCK
Previous Objects	What is the Common Domain validation result?
Information Exchange	cancellation of an e-AD movement verification results answer message control report movement verification answer e-AD/e-SAD administrative cooperation common request explanation on reason for shortage movement verification request reminder message for administrative cooperation notification of diverted e-AD movement download answer Status Request reminder message for Excise movement alert or rejection history results administrative cooperation results history of a movement list of e-AD as result of a general query Status Response common request event report Data Packaging Report of Receipt/Export movement download request basis for recovery of duties reminder message for movement verification request refusal of common request interruption of movement change of destination
Requirements	RAD_FUR_0013
Data Set	
Events	
State	

Table 5.61: Task Build Negative Acknowledgement of XML Receipt refusal message

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### Task Record Negative Acknowledgement of XML Receipt refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Negative Acknowledgement of XML Receipt refusal message
Task Type	Service task
Description	The Negative Acknowledgement of XML Receipt refusal message (IE917) is stored.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-06-Handle validation Results of External Domain message L4-CORE-01-05-Handle validation Results of Common Domain message
Input Data	C_XML_NCK
Output Data	C_XML_NCK
Previous Objects	Build Negative Acknowledgement of XML Receipt refusal message
Information Exchange	
Requirements	COR_FUR_0095
Data Set	
Events	
State	

Table 5.62: Task Record Negative Acknowledgement of XML Receipt refusal message

### Task Record valid message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record valid message
Task Type	Service task
Description	The valid message is stored.
Actor	EMCS
Input Data	Result Identify if the Common Domain message is syntactically valid Result Identify if the Common Domain message passed Coordination Protocol validation successfully
Output Data	
Previous Objects	What is the Common Domain validation result?
Information Exchange	refusal of common request Report of Receipt/Export Report of Receipt/Export reminder message for administrative cooperation

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	<p> explanation on reason for shortage  change of destination  Data Packaging  movement verification results  notification of diverted e-AD  history of a movement  common request  Data Packaging  history results  history of a movement  reminder message for Excise movement  history results  answer message  movement verification request  movement download request  administrative cooperation common request  Status Response  interruption of movement  e-AD/e-SAD  control report  basis for recovery of duties  list of e-AD as result of a general query  answer message  movement verification answer  cancellation of an e-AD  alert or rejection  movement verification answer  Status Request  explanation on reason for shortage  interruption of movement  common request  reminder message for Excise movement  movement verification request  Status Request  administrative cooperation results  event report  movement verification results  reminder message for administrative cooperation  e-AD/e-SAD  control report  reminder message for movement verification request  change of destination  notification of diverted e-AD  refusal of common request  event report  list of e-AD as result of a general query  cancellation of an e-AD  movement download answer  movement download answer  Status Response  movement download request  basis for recovery of duties </p>
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	administrative cooperation common request alert or rejection administrative cooperation results reminder message for movement verification request
Requirements	COR_FUR_0089
Data Set	
Events	
State	

Table 5.63: Task Record valid message

### Task Record Negative Acknowledgement of XML Receipt refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Negative Acknowledgement of XML Receipt refusal message
Task Type	Service task
Description	The Negative Acknowledgement of XML Receipt refusal message (IE917) is stored.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-06-Handle validation Results of External Domain message L4-CORE-01-05-Handle validation Results of Common Domain message
Input Data	C_XML_NCK
Output Data	C_XML_NCK
Previous Objects	Negative Acknowledgement of XML Receipt refusal message received
Information Exchange	
Requirements	COR_FUR_0095
Data Set	
Events	
State	

Table 5.64: Task Record Negative Acknowledgement of XML Receipt refusal message

### Event Functional Negative Acknowledgement refusal message received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Functional Negative Acknowledgement refusal message received
Event Type	Message start event

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Description	Sending MSA receives by Receiving MSA a Functional Negative Acknowledgement refusal message.
Previous Objects	Notify Sending MSA of Functional Negative Acknowledgement refusal message

Table 5.65: Event Functional Negative Acknowledgement refusal message received

### Task Build Functional Negative Acknowledgement refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Functional Negative Acknowledgement refusal message
Task Type	Service task
Description	If the message is found invalid due to Coordination Protocol violation(s), the MSA builds a Functional Negative Acknowledgement refusal message (IE906).
Actor	EMCS
Input Data	Result Identify if the Common Domain message passed Coordination Protocol validation successfully
Output Data	C_FUN_NCK
Previous Objects	What is the Common Domain validation result?
Information Exchange	basis for recovery of duties Report of Receipt/Export event report refusal of common request common request movement download answer Status Request history of a movement administrative cooperation common request administrative cooperation results explanation on reason for shortage interruption of movement e-AD/e-SAD change of destination history results Data Packaging reminder message for movement verification request answer message Status Response control report notification of diverted e-AD movement verification answer alert or rejection movement verification request reminder message for Excise movement



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	reminder message for administrative cooperation movement verification results cancellation of an e-AD movement download request list of e-AD as result of a general query
Requirements	COR_FUR_0090
Data Set	
Events	
State	

Table 5.66: Task Build Functional Negative Acknowledgement refusal message

### Task Notify Sending MSA of Negative Acknowledgement of XML Receipt refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Sending MSA of Negative Acknowledgement of XML Receipt refusal message
Task Type	Send task
Description	The Receiving MSA notifies the Sending MSA of the Negative Acknowledgement of XML Receipt refusal message (IE917).
Actor	EMCS
Input Data	C_XML_NCK
Output Data	
Previous Objects	Record Negative Acknowledgement of XML Receipt refusal message
Information Exchange	Negative Acknowledgement of XML Receipt message
Requirements	COR_FUR_0088
Data Set	
Events	
State	

Table 5.67: Task Notify Sending MSA of Negative Acknowledgement of XML Receipt refusal message

### Task Record Functional Negative Acknowledgement refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Functional Negative Acknowledgement refusal message
Task Type	Service task
Description	The Functional Negative Acknowledgement refusal message (IE906) is stored.

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Actor	EMCS
Appears also in the following processes	L4-CORE-01-05-Handle validation Results of Common Domain message
Input Data	C_FUN_NCK
Output Data	C_FUN_NCK
Previous Objects	Build Functional Negative Acknowledgement refusal message
Information Exchange	
Requirements	COR_FUR_0091
Data Set	
Events	
State	

Table 5.68: Task Record Functional Negative Acknowledgement refusal message

### Task Record Functional Negative Acknowledgement refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Functional Negative Acknowledgement refusal message
Task Type	Service task
Description	The Functional Negative Acknowledgement refusal message (IE906) is stored.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-05-Handle validation Results of Common Domain message
Input Data	C_FUN_NCK
Output Data	C_FUN_NCK
Previous Objects	Functional Negative Acknowledgement refusal message received
Information Exchange	
Requirements	COR_FUR_0091
Data Set	
Events	
State	

Table 5.69: Task Record Functional Negative Acknowledgement refusal message

### Task Notify Sending MSA of Functional Negative Acknowledgement refusal message

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TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Sending MSA of Functional Negative Acknowledgement refusal message
Task Type	Send task
Description	The Receiving MSA notifies the Sending MSA of the Functional Negative Acknowledgement refusal message (IE906).
Actor	EMCS
Input Data	C_FUN_NCK
Output Data	
Previous Objects	Record Functional Negative Acknowledgement refusal message
Information Exchange	Functional Negative Acknowledgement
Requirements	COR_FUR_0092
Data Set	
Events	
State	

Table 5.70: Task Notify Sending MSA of Functional Negative Acknowledgement refusal message

#### Event Negative Acknowledgement of XML Receipt refusal message received from Receiving MSA and recorded

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Negative Acknowledgement of XML Receipt refusal message received from Receiving MSA and recorded
Event Type	End event
Description	The Sending MSA received and stored the Negative Acknowledgement of XML Receipt refusal message (IE917).
Previous Objects	Record Negative Acknowledgement of XML Receipt refusal message

Table 5.71: Event Negative Acknowledgement of XML Receipt refusal message received from Receiving MSA and recorded

#### Event Functional Negative Acknowledgement refusal message received from Receiving MSA and recorded

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
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Event Name	Functional Negative Acknowledgement refusal message received from Receiving MSA and recorded
Event Type	End event
Description	The Sending MSA received and stored the Functional Negative Acknowledgement refusal message (IE906).
Previous Objects	Record Functional Negative Acknowledgement refusal message

Table 5.72: Event Functional Negative Acknowledgement refusal message received from Receiving MSA and recorded

### Event Negative Acknowledgement of XML Receipt refusal message sent to Sending MSA

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Negative Acknowledgement of XML Receipt refusal message sent to Sending MSA
Event Type	End event
Description	The Receiving MSA sent a Negative Acknowledgement of XML Receipt refusal (IE917) message to the Sending MSA.
Previous Objects	Notify Sending MSA of Negative Acknowledgement of XML Receipt refusal message

Table 5.73: Event Negative Acknowledgement of XML Receipt refusal message sent to Sending MSA

### Event Message recorded

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Message recorded
Event Type	End event
Description	The valid message is recorded.
Appears also in the following processes	L4-CORE-01-06-Handle validation Results of External Domain message
Previous Objects	Record valid message

Table 5.74: Event Message recorded

### Event Functional Negative Acknowledgement refusal message sent to Sending MSA

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Functional Negative Acknowledgement refusal message sent to Sending MSA
Event Type	End event

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Description	The Receiving MSA sent a Functional Negative Acknowledgement refusal message (IE906) to the Sending MSA.
Previous Objects	Notify Sending MSA of Functional Negative Acknowledgement refusal message

Table 5.75: Event Functional Negative Acknowledgement refusal message sent to Sending MSA

## 5.4. Process L4-CORE-01-06-Handle validation Results of External Domain message

### 5.4.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the handling of the validation results of a message received over the External Domain, in accordance with the current Common Specifications.

The process is triggered when a message received over the External Domain is validated by the MSA and the validation results are available. Depending on the validation result the following may happen:

- a. If the External Domain message was found invalid due to Syntactic violation(s), the EMCS at the MSA builds a Negative Acknowledgement of XML Receipt refusal message (IE917) and then it records it. Following, the EMCS at the MSA notifies the Economic Operator of the Negative Acknowledgement of XML Receipt refusal message (IE917) and the whole process ends at this point;
- b. If the External Domain message was found invalid due to Coordination Protocol violation(s) or due to Business Compliance violation(s), the EMCS at the MSA builds a Generic Refusal Message (IE704) and then it records it. Following, the EMCS at the MSA notifies the Economic Operator of the Generic Refusal Message (IE704) and the whole process ends here;
- c. If the External Domain message was found valid, the EMCS at the MSA identifies whether the External Domain message is a draft e-AD/e-SAD (IE815). In case the External Domain message is a draft e-AD/e-SAD the EMCS at the MSA assigns an ARC to the e-AD/e-SAD. If the EMCS at the MSA identifies that the External Domain message is not a draft e-AD/e-SAD the process continues. Finally, the EMCS at the MSA records the valid message and the whole process ends.

### 5.4.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-06
Full Name	Handle validation Results of External Domain message
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-01-Submit and Register an e-AD/e-SAD

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	L3-CORE-01-02-Perform Report of Receipt/Export L3-CORE-01-04-Perform Cancellation L3-CORE-01-05-Perform Splitting of Consignment L3-CORE-01-06-Perform Change of Destination L3-CORE-01-12-Manage Explanations on Reasons for Shortages or Excesses
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.76: Process Details

### 5.4.3. Tasks and Events

#### Event External Domain message validated and results are available

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	External Domain message validated and results are available
Event Type	Start event
Description	The validation mechanism has processed the External Domain message and produced validation results. The current process starts when the validation results are available to be handled.
Previous Objects	

Table 5.77: Event External Domain message validated and results are available

#### Task Build Negative Acknowledgement of XML Receipt refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Negative Acknowledgement of XML Receipt refusal message
Task Type	Service task
Description	If the message is found invalid due to Syntactic violation(s), the MSA builds a Negative Acknowledgement of XML Receipt refusal message (IE917).
Actor	EMCS
Input Data	Result Identify if the External Domain message is syntactically valid
Output Data	C_XML_NCK
Previous Objects	What is the External Domain validation result?
Information Exchange	Draft Explanation on Delay for Delivery Draft Explanation on Delay for Delivery submitted draft of e-AD/e-SAD

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	submitted draft of splitting operation explanation on reason for shortage Draft Change of Destination cancellation of an e-AD Draft Report of Receipt alert or rejection
Requirements	COR_FUR_0087
Data Set	
Events	
State	

Table 5.78: Task Build Negative Acknowledgement of XML Receipt refusal message

### Task Identify whether the External Domain message is a draft e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the External Domain message is a draft e-AD/e-SAD
Task Type	Service task
Description	The MSA identifies whether the External Domain message is a draft e-AD/e-SAD (IE815).
Actor	EMCS
Input Data	Result Identify if the External Domain message passed Coordination Protocol validation successfully Result Identify if the External Domain message is syntactically valid Result Identify if the External Domain message passed Business Compliance validation successfully
Output Data	Result Identify whether the External Domain message is a draft e-AD/e-SAD
Previous Objects	What is the External Domain validation result?
Information Exchange	submitted draft of e-AD/e-SAD Draft Report of Receipt submitted draft of splitting operation cancellation of an e-AD explanation on reason for shortage Draft Change of Destination Draft Explanation on Delay for Delivery alert or rejection Draft Explanation on Delay for Delivery
Requirements	COR_FUR_0094
Data Set	

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Events	
State	

Table 5.79: Task Identify whether the External Domain message is a draft e-AD/e-SAD

### Task Record Negative Acknowledgement of XML Receipt refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Negative Acknowledgement of XML Receipt refusal message
Task Type	Service task
Description	The Negative Acknowledgement of XML Receipt refusal message (IE917) is stored.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-05-Handle validation Results of Common Domain message
Input Data	C_XML_NCK
Output Data	C_XML_NCK
Previous Objects	Build Negative Acknowledgement of XML Receipt refusal message
Information Exchange	
Requirements	COR_FUR_0095
Data Set	
Events	
State	

Table 5.80: Task Record Negative Acknowledgement of XML Receipt refusal message

### Task Build Generic Refusal Message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Generic Refusal Message
Task Type	Service task
Description	If the message is found invalid due to Coordination Protocol or Business Compliance violation(s), the MSA builds a Generic Refusal Message (IE704).
Actor	EMCS
Input Data	Result Identify if the External Domain message passed Coordination Protocol validation successfully Result Identify if the External Domain message passed Business Compliance validation successfully



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Output Data	N_REJ_DAT
Previous Objects	What is the External Domain validation result?
Information Exchange	Draft Change of Destination explanation on reason for shortage Draft Report of Receipt Draft Explanation on Delay for Delivery submitted draft of splitting operation Draft Explanation on Delay for Delivery submitted draft of e-AD/e-SAD cancellation of an e-AD alert or rejection
Requirements	COR_FUR_0096
Data Set	
Events	
State	

Table 5.81: Task Build Generic Refusal Message

### Task Perform ARC assignment to the e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform ARC assignment to the e-AD/e-SAD
Task Type	Service task
Description	The MSA assigns an ARC to the e-AD/e-SAD (IE801).
Actor	EMCS
Input Data	N_EAD_SUB Result Identify whether the External Domain message is a draft e-AD/e-SAD
Output Data	C_EAD_VAL
Previous Objects	Is the message received a draft e-AD/e-SAD?
Information Exchange	
Requirements	COR_FUR_0097
Data Set	
Events	
State	

Table 5.82: Task Perform ARC assignment to the e-AD/e-SAD

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### Task Notify Economic Operator of Negative Acknowledgement of XML Receipt refusal message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Economic Operator of Negative Acknowledgement of XML Receipt refusal message
Task Type	Send task
Description	The MSA notifies the Economic Operator of the Negative Acknowledgement of XML Receipt refusal message (IE917).
Actor	EMCS
Input Data	C_XML_NCK
Output Data	
Previous Objects	Record Negative Acknowledgement of XML Receipt refusal message
Information Exchange	Negative Acknowledgement of XML Receipt message
Requirements	COR_FUR_0093
Data Set	
Events	
State	

Table 5.83: Task Notify Economic Operator of Negative Acknowledgement of XML Receipt refusal message

### Task Record Generic Refusal Message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Generic Refusal Message
Task Type	Service task
Description	The Generic Refusal Message (IE704) is stored.
Actor	EMCS
Input Data	N_REJ_DAT
Output Data	N_REJ_DAT
Previous Objects	Build Generic Refusal Message
Information Exchange	
Requirements	COR_FUR_0104
Data Set	
Events	

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PROCESS MODELS

State	
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Table 5.84: Task Record Generic Refusal Message

### Task Record valid message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record valid message
Task Type	Service task
Description	The valid message is stored.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform ARC assignment to the e-AD/e-SAD Is the message received a draft e-AD/e-SAD?
Information Exchange	Draft Report of Receipt cancellation of an e-AD submitted draft of e-AD/e-SAD Draft Change of Destination explanation on reason for shortage submitted draft of splitting operation submitted draft of e-AD/e-SAD Draft Explanation on Delay for Delivery alert or rejection Draft Change of Destination submitted draft of splitting operation Draft Explanation on Delay for Delivery explanation on reason for shortage Draft Explanation on Delay for Delivery alert or rejection cancellation of an e-AD Draft Report of Receipt Draft Explanation on Delay for Delivery
Requirements	COR_FUR_0089
Data Set	
Events	
State	

Table 5.85: Task Record valid message

### Task Notify Economic Operator of Generic Refusal Message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Economic Operator of Generic Refusal Message

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Task Type	Send task
Description	The MSA notifies the Economic Operator of the Generic Refusal Message (IE704).
Actor	EMCS
Input Data	N_REJ_DAT
Output Data	
Previous Objects	Record Generic Refusal Message
Information Exchange	generic refusal message
Requirements	COR_FUR_0105
Data Set	
Events	
State	

Table 5.86: Task Notify Economic Operator of Generic Refusal Message

### Event Negative Acknowledgement of XML Receipt refusal message sent to Economic Operator

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Negative Acknowledgement of XML Receipt refusal message sent to Economic Operator
Event Type	End event
Description	The Negative Acknowledgement of XML Receipt refusal message (IE917) was sent to the Economic Operator.
Previous Objects	Notify Economic Operator of Negative Acknowledgement of XML Receipt refusal message

Table 5.87: Event Negative Acknowledgement of XML Receipt refusal message sent to Economic Operator

### Event Message recorded

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Message recorded
Event Type	End event
Description	The valid message is recorded.
Appears also in the following processes	L4-CORE-01-05-Handle validation Results of Common Domain message
Previous Objects	Record valid message

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PROCESS MODELS

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Table 5.88: Event Message recorded

### Event Generic Refusal message sent to Economic Operator

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Generic Refusal message sent to Economic Operator
Event Type	End event
Description	The Generic Refusal message (IE704) was sent to the Economic Operator.
Previous Objects	Notify Economic Operator of Generic Refusal Message

Table 5.89: Event Generic Refusal message sent to Economic Operator

## 5.5. Process L4-CORE-01-07-Issue Reminder at expiry of time limit for Report of Receipt/Export

### 5.5.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the Reminder at the expiry of the time limit for Report of Receipt/Export for an Excise movement (inside the territory of the European Union), in accordance with the current Common Specifications (FESS and DDNEA).

The process is triggered when the timer TIM\_EAD\_ESAD (the timer that was issued at the date of dispatch to expire at the expected end of movement, i.e. date of dispatch plus journey time) has expired at the MSA of Dispatch.

The EMCS at MSA of Dispatch continues with performing synchronisation actions with the MSA of Destination/ MSA of Export, by using the “Automatic Status Synchronisation Request after timer TIM\_EAD\_ESAD expiration” call activity. Following, if a missing Report of Receipt/Export (IE818) is expected from the MSA of Destination/ MSA Export (which means that the MSA of Destination/ MSA of Export is in the Delivered, Partially Refused or Refused state, whereas the MSA of Dispatch is in the Accepted state, i.e. the MSA of Destination/ MSA of Export has sent the Report of Receipt/Export but the MSA of Dispatch application has not received it), the whole process ends here. If no missing Report of Receipt/Export is expected (which means that the MSA of Destination and MSA of Dispatch are both in the Accepted state, i.e. the MSA of Destination has not sent the Report of Receipt/Export within the allocated time), the EMCS at MSA of Dispatch builds a Reminder (IE802) and then it records it. Then, the EMCS at MSA of Dispatch notifies the Consignor and the MSA of Destination of the Reminder (IE802). The MSA of Dispatch may receive:

- a draft Explanation on Delay (IE837) from the Consignor; and/or
- a Consignee's Explanation on Delay (IE837) from the MSA of Destination;
- no message, when no Explanation on Delay is received from the Consignor and/or the MSA of Destination.

In case a draft Explanation on Delay (IE837) is received from the Consignor, the EMCS at MSA of Dispatch proceeds with validating the data of the draft Explanation on Delay, by using the “Perform validation of draft Explanation on Delay” sub-process. Then, the EMCS at MSA of Dispatch continues with the handling of the validation results by using the “Handle validation results of draft Explanation on Delay” call activity. The outcome (end event) of the “Handle validation results of draft Explanation on Delay” call activity may be the following:

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- a. A refusal message (IE917/IE704) is sent to the Consignor (since the draft Explanation on Delay was found invalid); or
- b. The Explanation on Delay (IE837) of the Consignor is recorded (since the draft Explanation on Delay was found valid). In such case, the EMCS at MSA of Dispatch proceeds with notifying the MSA of Destination/ Export of the Explanation on Delay (IE837) of the Consignor.

After the receipt of the Reminder (IE802), the EMCS at the MSA of Destination/ MSA of Export proceeds with validating the data of the Reminder, by using the “Perform validation of Reminder” sub process. Then, the EMCS at MSA of Destination/ MSA of Export carries on with the handling of the validation results by using the “Handle validation results of Reminder” call activity. Depending on the outcome (end event) of the “Handle validation results of Reminder” call activity, the following may happen:

- a. If a refusal message (IE917/IE906) is sent to the MSA of Dispatch (since the Reminder was found invalid), the whole process ends at this point;
- b. If the Reminder (IE802) is recorded (since the Reminder was found valid), the process continues.

If the movement is not for export, the EMCS at MSA of Destination notifies the Consignee of the Reminder (IE802). After this, the EMCS at MSA of Destination may receive from the Consignee:

- a draft Explanation on Delay (IE837) from the Consignee; or
- no message.

In case a draft Explanation on Delay (IE837) is received by the MSA of Destination from the Consignee, the EMCS at MSA of Destination proceeds with validating the data of the draft Explanation on Delay, by using the “Perform validation of draft Explanation on Delay” sub process. Then, the EMCS at MSA of Destination proceeds with the handling of the validation results by using the “Handle validation results of draft Explanation on Delay” call activity. The outcome (end event) of the “Handle validation results of draft Explanation on Delay” call activity may be the following:

- a. A refusal message (IE917/IE704) is sent to the Consignee (since the draft Explanation on Delay was found invalid);
- b. The Explanation on Delay (IE837) of the Consignee is recorded (since the draft Explanation on Delay was found valid). In such case, the EMCS at MSA of Destination proceeds with notifying the MSA of Dispatch of the Explanation on Delay (IE837) of the Consignee. MSA of Dispatch will then perform all necessary validations of the common domain message.

If the movement is for export, the EMCS at MSA of Export may receive:

- an Explanation on Delay (IE837) of the Consignor from the MSA of Dispatch; or
- no message.

In case an Explanation on Delay (IE837) of Consignor is received from the MSA of Dispatch, the EMCS at MSA of Export continues with validating the data of the Explanation on Delay, by using the “Perform validation of Explanation on Delay” sub process. After this, the EMCS at MSA of Export proceeds with the handling of the validation results by using the “Handle validation results of Explanation on Delay” call activity. Depending on the outcome (end event) of the “Handle validation results of Explanation on Delay” call activity, the following may happen:

- a. If a refusal message (IE917/IE906) is sent to the MSA of Dispatch (since the Explanation on Delay was found invalid), the whole process ends here;
- b. If the Explanation on Delay (IE837) of the Consignor is recorded (since the Explanation on Delay was found valid), the process ends.

In case an Explanation on Delay (IE837) of Consignor is received from the MSA of Dispatch, the EMCS at MSA of Destination/MSA of Export continues with validating the data of the Explanation on Delay, by using the “Perform validation of Explanation on Delay” sub-process. After this, the EMCS at MSA of Destination/MSA of Export proceeds with the handling of the validation results by using the “Handle validation results of Explanation on Delay” call activity. Depending on the outcome (end event) of the “Handle validation results of Explanation on Delay” call activity, the following may happen:

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- a. If a refusal message (IE917/IE906) is sent to the MSA of Dispatch (since the Explanation on Delay was found invalid), the whole process ends here;
- b. If the Explanation on Delay (IE837) of the Consignor is recorded (since the Explanation on Delay was found valid), the whole process also ends.

### 5.5.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-07
Full Name	Issue Reminder at expiry of time limit for Report of Receipt/Export
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	N/A
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.90: Process Details

### 5.5.3. Tasks and Events

#### Task Perform Synchronisation Actions

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform Synchronisation Actions
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-ACO-01-18
Actor	EMCS
Input Data	
Output Data	
Previous Objects	TIM_EAD_ESAD expired
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.91: Task Perform Synchronisation Actions

#### Event TIM\_EAD\_ESAD expired

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EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	TIM_EAD_ESAD expired
Event Type	Timer start event
Description	The current process starts when the timer TIM_EAD_ESAD (the timer that was issued at the date of dispatch to expire at the expected end of movement, i.e. date of dispatch plus journey time) has expired at the MSA of Dispatch.
Previous Objects	

Table 5.92: Event TIM\_EAD\_ESAD expired

### Task Build Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Reminder
Task Type	Service task
Description	The MSA of Dispatch builds a Reminder (IE802).
Actor	EMCS
Input Data	Sequence Number Timer TIM_EAD_ESAD Expiry Date ARC
Output Data	C_EXC_REM
Previous Objects	Does the MSA of Dispatch expect from MSA of Destination/ MSA of Export a missing Report of Receipt/Export?
Information Exchange	
Requirements	COR_FUR_0082
Data Set	
Events	
State	

Table 5.93: Task Build Reminder

### Task Record Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Reminder
Task Type	Service task
Description	The Reminder (IE802) is stored.
Actor	EMCS



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Appears also in the following processes	L4-CORE-01-24-Issue reminder at expiry of timer for Change of Destination (TIM_CHS)
Input Data	C_EXC_REM
Output Data	C_EXC_REM
Previous Objects	Build Reminder
Information Exchange	
Requirements	COR_FUR_0083
Data Set	
Events	
State	

Table 5.94: Task Record Reminder

#### Event A missing Report of Receipt/Export expected from MSA of Destination/ MSA of Export

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	A missing Report of Receipt/Export expected from MSA of Destination/ MSA of Export
Event Type	End event
Description	The MSA of Dispatch expects from the MSA of Destination/ MSA of Export the missing Report of Receipt/Export (IE818).
Previous Objects	Does the MSA of Dispatch expect from MSA of Destination/ MSA of Export a missing Report of Receipt/Export?

Table 5.95: Event A missing Report of Receipt/Export expected from MSA of Destination/ MSA of Export

#### Task Notify Consignor of Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignor of Reminder
Task Type	Send task
Description	The MSA of Dispatch notifies the Consignor of the Reminder (IE802).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-24-Issue reminder at expiry of timer for Change of Destination (TIM_CHS)
Input Data	C_EXC_REM

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Output Data	
Previous Objects	Record Reminder
Information Exchange	reminder message for Excise movement
Requirements	COR_FUR_0084
Data Set	
Events	
State	

Table 5.96: Task Notify Consignor of Reminder

### Event Draft Explanation on Delay of Consignor received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Draft Explanation on Delay of Consignor received
Event Type	Message intermediate event (catch)
Description	The MSA of Dispatch received a draft Explanation on Delay (IE837) from the Consignor.
Previous Objects	Notify Consignor of Reminder Consignor

Table 5.97: Event Draft Explanation on Delay of Consignor received

### Task Perform validation of draft Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of draft Explanation on Delay
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-04-Perform validation of External Domain message.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Draft Explanation on Delay of Consignor received
Information Exchange	
Requirements	
Data Set	
Events	
State	

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Table 5.98: Task Perform validation of draft Explanation on Delay

### Event No message received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	No message received
Event Type	Conditional intermediate event
Description	The MSA of Dispatch received neither a draft Explanation on Delay (IE837) from the Consignor, nor an Explanation on Delay (IE837) from the Member State of Destination.
Previous Objects	Notify Consignor of Reminder

Table 5.99: Event No message received

### Event No Explanation on Delay received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	No Explanation on Delay received
Event Type	End event
Description	No draft Explanation on Delay (IE837) or Explanation on Delay (IE837) received.
Previous Objects	No message received

Table 5.100: Event No Explanation on Delay received

### Task Handle validation results of draft Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of draft Explanation on Delay
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-06-Handle validation Results of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of draft Explanation on Delay
Information Exchange	
Requirements	
Data Set	
Events	

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PROCESS MODELS

State	
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Table 5.101: Task Handle validation results of draft Explanation on Delay

### Event Reminder received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Reminder received
Event Type	Message start event
Description	The MSA of Destination/ MSA of Export received a Reminder (IE802) from the MSA of Dispatch.
Previous Objects	Notify Consignor of Reminder

Table 5.102: Event Reminder received

### Task Perform validation of Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Reminder
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Reminder received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.103: Task Perform validation of Reminder

### Task Handle validation results of Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of Reminder
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message
Actor	EMCS

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Input Data	
Output Data	
Previous Objects	Perform validation of Reminder
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.104: Task Handle validation results of Reminder

### Event Refusal message sent to Consignor since draft Explanation on Delay had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to Consignor since draft Explanation on Delay had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE704) was sent to the Consignor since the draft Explanation on Delay (IE837) had been found invalid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.105: Event Refusal message sent to Consignor since draft Explanation on Delay had been found invalid

### Event Explanation on Delay of Consignor recorded since draft Explanation on Delay had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignor recorded since draft Explanation on Delay had been found valid
Event Type	Conditional intermediate event
Description	The Explanation on Delay of the Consignor (IE837) was recorded since the draft Explanation on Delay of the Consignor (IE837) had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.106: Event Explanation on Delay of Consignor recorded since draft Explanation on Delay had been found valid

### Event Refusal message sent to MSA of Dispatch since Reminder had been found invalid

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EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Dispatch since Reminder had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to the MSA of Dispatch since the Reminder (IE802) had been found invalid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.107: Event Refusal message sent to MSA of Dispatch since Reminder had been found invalid

### Event Reminder recorded since it had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Reminder recorded since it had been found valid
Event Type	Conditional intermediate event
Description	The Reminder (IE802) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.108: Event Reminder recorded since it had been found valid

### Task Notify MSA of Destination/ MSA of Export of Explanation on Delay of Consignor

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA of Destination/ MSA of Export of Explanation on Delay of Consignor
Task Type	Send task
Description	The MSA of Dispatch notifies the MSA of Destination/ MSA of Export of the Explanation on Delay (IE837) of the Consignor.
Actor	EMCS
Input Data	C_DEL_EXP
Output Data	
Previous Objects	Explanation on Delay of Consignor recorded since draft Explanation on Delay had been found valid
Information Exchange	explanation on delay for delivery
Requirements	COR_FUR_0079
Data Set	

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Events	
State	

Table 5.109: Task Notify MSA of Destination/ MSA of Export of Explanation on Delay of Consignor

### Task Notify Consignee of Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignee of Reminder
Task Type	Send task
Description	The MSA of Destination notifies the Consignee of the Reminder (IE802).
Actor	EMCS
Input Data	C_EXC_REM
Output Data	
Previous Objects	Is the destination of the movement for Export?
Information Exchange	reminder message for Excise movement
Requirements	COR_FUR_0080
Data Set	
Events	
State	

Table 5.110: Task Notify Consignee of Reminder

### Event Explanation on Delay of Consignor sent to MSA of Destination/ MSA of Export

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignor sent to MSA of Destination/ MSA of Export
Event Type	End event
Description	The Explanation on Delay (IE837) of the Consignor was sent to the MSA of Destination/ MSA of Export.
Previous Objects	Notify MSA of Destination/ MSA of Export of Explanation on Delay of Consignor

Table 5.111: Event Explanation on Delay of Consignor sent to MSA of Destination/ MSA of Export

### Event No message received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
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Event Name	No message received
Event Type	Conditional intermediate event
Description	The MSA of Export has not received any Explanation on Delay of the Consignor (IE837) from the MSA of Dispatch. MSA of Destination received an Explanation on Delay (IE837) neither from the Consignee, nor from the MSA of Dispatch.
Previous Objects	Is the destination of the movement for Export? Notify Consignee of Reminder Notify Consignee of Reminder

Table 5.112: Event No message received

### Event Explanation on Delay of Consignor received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignor received
Event Type	Message intermediate event (catch)
Description	The MSA of Destination received an Explanation on Delay (IE837) of the Consignor from the MSA of Dispatch.
Previous Objects	Is the destination of the movement for Export? Notify Consignee of Reminder Notify MSA of Destination/ MSA of Export of Explanation on Delay of Consignor

Table 5.113: Event Explanation on Delay of Consignor received

### Task Perform validation of Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Explanation on Delay
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Explanation on Delay of Consignor received
Information Exchange	
Requirements	
Data Set	
Events	



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PROCESS MODELS

State	
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Table 5.114: Task Perform validation of Explanation on Delay

### Event No Explanation on Delay received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	No Explanation on Delay received
Event Type	End event
Description	No Explanation on Delay (IE837) received.
Previous Objects	No message received

Table 5.115: Event No Explanation on Delay received

### Event Draft Explanation on Delay of Consignee received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Draft Explanation on Delay of Consignee received
Event Type	Message intermediate event (catch)
Description	The MSA of Destination received a draft Explanation on Delay (IE837) from the Consignee.
Previous Objects	Notify Consignee of Reminder Consignee

Table 5.116: Event Draft Explanation on Delay of Consignee received

### Task Perform validation of draft Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of draft Explanation on Delay
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-04-Perform validation of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Draft Explanation on Delay of Consignee received
Information Exchange	
Requirements	
Data Set	

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PROCESS MODELS

Events	
State	

Table 5.117: Task Perform validation of draft Explanation on Delay

### Task Handle validation results of Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of Explanation on Delay
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of Explanation on Delay
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.118: Task Handle validation results of Explanation on Delay

### Task Handle validation results of draft Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of draft Explanation on Delay
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-06-Handle validation Results of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of draft Explanation on Delay
Information Exchange	
Requirements	
Data Set	
Events	
State	

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Table 5.119: Task Handle validation results of draft Explanation on Delay

### Event Refusal message sent to MSA of Dispatch since Explanation on Delay had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Dispatch since Explanation on Delay had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to the MSA of Dispatch since the Explanation on Delay (IE837) of the Consignor had been found invalid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.120: Event Refusal message sent to MSA of Dispatch since Explanation on Delay had been found invalid

### Event Explanation on Delay of Consignee received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignee received
Event Type	Message intermediate event (catch)
Description	The MSA of Dispatch received from the MSA of Destination the Explanation on Delay (IE837) of the Consignee.
Previous Objects	Notify MSA of Dispatch of Explanation on Delay of Consignee Notify Consignor of Reminder

Table 5.121: Event Explanation on Delay of Consignee received

### Event Explanation on Delay of Consignor recorded since it had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignor recorded since it had been found valid
Event Type	End event
Description	The Explanation on Delay of the Consignor (IE837) was recorded since it had been found valid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.122: Event Explanation on Delay of Consignor recorded since it had been found valid

### Event Refusal message sent to Consignee since draft Explanation on Delay had been found invalid

EVENT ATTRIBUTE	EVENT ATTRIBUTE VALUE
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NAME	
Event Name	Refusal message sent to Consignee since draft Explanation on Delay had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE704) was sent to the Consignee since the draft Explanation on Delay (IE837) had been found invalid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.123: Event Refusal message sent to Consignee since draft Explanation on Delay had been found invalid

### Task Perform validation of Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Explanation on Delay
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Explanation on Delay of Consignee received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.124: Task Perform validation of Explanation on Delay

### Event Explanation on Delay of Consignee recorded since draft Explanation on Delay had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignee recorded since draft Explanation on Delay had been found valid
Event Type	Conditional intermediate event
Description	The Explanation on Delay of the Consignee (IE837) was recorded since the draft Explanation on Delay of the Consignee (IE837) had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

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Table 5.125: Event Explanation on Delay of Consignee recorded since draft Explanataion on Delay had been found valid

### Task Notify MSA of Dispatch of Explanation on Delay of Consignee

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA of Dispatch of Explanation on Delay of Consignee
Task Type	Send task
Description	The MSA of Destination notifies the MSA of Dispatch of the Explanation on Delay (IE837) of the Consignee.
Actor	EMCS
Input Data	C_DEL_EXP
Output Data	
Previous Objects	Explanation on Delay of Consignee recorded since draft Explanataion on Delay had been found valid
Information Exchange	explanation on delay for delivery
Requirements	COR_FUR_0081
Data Set	
Events	
State	

Table 5.126: Task Notify MSA of Dispatch of Explanation on Delay of Consignee

### Task Handle validation results of Explanation on Delay

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of Explanation on Delay
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of Explanation on Delay
Information Exchange	
Requirements	
Data Set	

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Events	
State	

Table 5.127: Task Handle validation results of Explanation on Delay

### Event Explanation on Delay of Consignee sent to MSA of Dispatch

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignee sent to MSA of Dispatch
Event Type	End event
Description	The Explanation on Delay (IE837) of the Consignee was sent to the MSA of Dispatch.
Previous Objects	Notify MSA of Dispatch of Explanation on Delay of Consignee

Table 5.128: Event Explanation on Delay of Consignee sent to MSA of Dispatch

### Event Refusal message sent to MSA of Destination/ MSA of Export since Explanation on Delay had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Destination/ MSA of Export since Explanation on Delay had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to the MSA of Destination since the Explanation on Delay (IE837) of the Consignee had been found invalid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.129: Event Refusal message sent to MSA of Destination/ MSA of Export since Explanation on Delay had been found invalid

### Event Explanation on Delay of Consignee recorded since it had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Delay of Consignee recorded since it had been found valid
Event Type	End event
Description	The Explanation on Delay of the Consignee (IE837) was recorded since it had been found valid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.130: Event Explanation on Delay of Consignee recorded since it had been found valid

## 5.6. Process L4-CORE-01-08-Perform Alert or Rejection

### 5.6.1. Objective of Process

The purpose of this process is to describe all the possible paths when the Consignee performs an Alert or Rejection of the e-AD/e-SAD.

It has to be noted that the Business Process described below can take place before the goods arrive at the destination.

Submission of the 'Alert or Rejection of an e-AD/e-SAD' message is mandatory where one of the cases referred to in points (a) to (c) or (e) of Article 15(1) of Regulation (EU) No 389/2012 is detected, and shall be sent to the competent authority of the Member State of dispatch within one day of the moment when the competent authority becomes aware of the discrepancies (as defined in Article 13 of Implementing Regulation (EU) 2016/323).

The process starts when the Consignee submits a draft Alert or Rejection of an e-AD/e-SAD (IE819). The MSA of Destination receives the draft Alert or Rejection of an e-AD/e-SAD and proceeds with validation and the handling of the validation results by using "Perform validation of Alert or Rejection of an e-AD/e-SAD" subprocess and "Handle validation results of Alert or Rejection of an e-AD/e-SAD" call-activity. Depending on the outcome (end event) of the "Handle validation results of Alert or Rejection of an e-AD/e-SAD" call-activity, the following could happen:

- If a refusal message (IE917/IE704) is sent to the Consignee (since the Alert or Rejection of an e-AD/e-SAD (IE819) was found invalid), the whole process ends at this point;
- If the Alert or Rejection of an e-AD/e-SAD (IE819) is recorded (since Alert or Rejection of an e-AD/e-SAD (IE819) was found valid), the process continues.

The MSA of Destination identifies in the message content of the valid, recorded Alert or Rejection of an e-AD/e-SAD (IE819), whether the "E-AD/e-SAD Rejected flag" item, has '1' (Rejection) or '0' (Alert) value.

- If the value is '1' (Rejection), this causes state transition for the concerned e-AD from "Accepted" to "Rejected"
- If the value is '0' (Alert), the state remains as is.

Upon the mentioned above check and following step, the MSA of Destination, notifies both the Consignee and the MSA of Dispatch and the process ends at this point at the MSA of Destination pool.

The Alert or Rejection of an e-AD/e-SAD (IE819) message is received by the MSA of Dispatch. Then, the MSA of Dispatch proceeds with validation and the handling of the validation results by using "Perform validation of Alert or Rejection of an e-AD/e-SAD" subprocess and "Handle validation results of Alert or Rejection of an e-AD/e-SAD" call-activity. Depending on the outcome (end event) of the "Handle validation results of Alert or Rejection of an e-AD/e-SAD" call-activity, the following may happen:

- If a refusal message (IE917/IE906) is sent to the MSA of Destination (since the Alert or Rejection of an e-AD/e-SAD (IE819) was found invalid), the whole process ends at this point;
- If the Alert or Rejection of an e-AD/e-SAD (IE819) is recorded (since the Alert or Rejection of an e-AD/e-SAD (IE819) was found valid), the process continues.

The MSA of Dispatch identifies in the message content of the valid, recorded Alert or Rejection of an e-AD/e-SAD (IE819), whether the "E-AD/e-SAD Rejected flag" item, has '1' (Rejection) or '0' (Alert) value.

- If the value is '1' (Rejection), this causes state transition for the concerned e-AD from "Accepted" to "Rejected".

The Consignor is expected to change the e-AD/e-SAD destination, split the e-AD, or cancel the e-AD as a response to the rejection and the MSA dispatch application initiates the TIM\_CHS timer, which once elapsed, will send a reminder to the Consignor.

Please note that the "Rejected" state is not a final state and the Consignor is expected to take actions such that the e-AD/e-SAD will finally reach a final state.

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- If the value is '0' (Alert), the state remains as is.

Upon the mentioned above check and following step, the MSA of Dispatch, sends the Alert or Rejection of an e-AD/e-SAD to the Consignor and the whole process ends.

### 5.6.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-08
Full Name	Perform Alert or Rejection
Assumptions	The goods have not arrived at their destination
Constraints	No constraints.
L3 Reference Models	L3-ACO-01-02-Mandatory Exchange of Information
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.131: Process Details

### 5.6.3. Tasks and Events

#### Task Perform validations of Alert or Rejection

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validations of Alert or Rejection
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-04-Perform validation of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Draft Alert or Rejection of an e-AD/e-SAD received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.132: Task Perform validations of Alert or Rejection

#### Event Draft Alert or Rejection of an e-AD/e-SAD received



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EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Draft Alert or Rejection of an e-AD/e-SAD received
Event Type	Message start event
Description	The process starts when the application of the MSA of Destination receives a draft of alert/rejection message (IE819:C_REJ_DAT) for validation from the Consignee.
Previous Objects	Consignee

Table 5.133: Event Draft Alert or Rejection of an e-AD/e-SAD received

### Task Handle validation results of the Alert or Rejection

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of the Alert or Rejection
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-06-Handle validation Results of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validations of Alert or Rejection
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.134: Task Handle validation results of the Alert or Rejection

### Event Refusal message sent to Consignee since draft Alert or Rejection message had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to Consignee since draft Alert or Rejection message had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE704) was sent to Consignee since the Alert or Rejection of an e-AD/e-SAD (IE819) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

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Table 5.135: Event Refusal message sent to Consignee since draft Alert or Rejection message had been found invalid

### Event Alert or Rejection recorded since draft Alert or Rejection message had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Alert or Rejection recorded since draft Alert or Rejection message had been found valid
Event Type	Conditional intermediate event
Description	The Alert or Rejection of an e-AD (IE819) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.136: Event Alert or Rejection recorded since draft Alert or Rejection message had been found valid

### Task Identify whether it is an Alert or a Rejection

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether it is an Alert or a Rejection
Task Type	Service task
Description	The MSA examines the Alert or Rejection of an e-AD/e-SAD (IE819) message content in order to identify whether the "E-AD/e-SAD Rejected flag" item has '1' (Rejection) or '0' (Alert) value. This data item is expected to determine whether the e-AD/e-SAD is intended to be rejected or there is an alert for the e-AD/e-SAD.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-08-Perform Alert or Rejection
Input Data	e-AD/e-SAD Rejected flag
Output Data	Result Identify whether it is an Alert or a Rejection
Previous Objects	Alert or Rejection recorded since draft Alert or Rejection message had been found valid
Information Exchange	
Requirements	COR_FUR_0024
Data Set	
Events	
State	

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Table 5.137: Task Identify whether it is an Alert or a Rejection

### Task Perform change of e-AD/e-SAD state to Rejected

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of e-AD/e-SAD state to Rejected
Task Type	Service task
Description	The state of the movement is set to “Rejected”.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-08-Perform Alert or Rejection
Input Data	e-AD/e-SAD Rejected flag ARC Sequence Number
Output Data	e-AD/e-SAD state
Previous Objects	Alert or Rejection of an e-AD/e-SAD?
Information Exchange	
Requirements	COR_FUR_0025
Data Set	e-AD/e-SAD state
Events	IE819 received with e-AD/e-SAD Rejected flag = Yes/True
State	Rejected

Table 5.138: Task Perform change of e-AD/e-SAD state to Rejected

### Event Alert or Rejection received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Alert or Rejection received
Event Type	Message start event
Description	The MSA of Dispatch received the Alert or Rejection of an e-AD/e-SAD (IE819) from the MSA of Destination.
Previous Objects	Notify Consignee and MSA of Dispatch of Alert or Rejection

Table 5.139: Event Alert or Rejection received

### Task Perform validations of Alert or Rejection

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TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validations of Alert or Rejection
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Alert or Rejection received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.140: Task Perform validations of Alert or Rejection

### Task Notify Consignee and MSA of Dispatch of Alert or Rejection

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignee and MSA of Dispatch of Alert or Rejection
Task Type	Send task
Description	The MSA of Destination sends to the MSA of Dispatch the Alert or Rejection of an e-AD/e-SAD (IE819)
Actor	EMCS
Input Data	C_REJ_DAT
Output Data	
Previous Objects	Perform change of e-AD/e-SAD state to Rejected Alert or Rejection of an e-AD/e-SAD?
Information Exchange	alert or rejection
Requirements	COR_FUR_0026
Data Set	
Events	
State	

Table 5.141: Task Notify Consignee and MSA of Dispatch of Alert or Rejection

### Task Handle validation results of the Alert or Rejection

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TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of the Alert or Rejection
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validations of Alert or Rejection
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.142: Task Handle validation results of the Alert or Rejection

#### Event Alert or Rejection message sent to Consignee and MSA of Dispatch

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Alert or Rejection message sent to Consignee and MSA of Dispatch
Event Type	End event
Description	Alert or Rejection of an e-AD/e-SAD (IE819) sent to Consignee and MSA of Dispatch.
Previous Objects	Notify Consignee and MSA of Dispatch of Alert or Rejection

Table 5.143: Event Alert or Rejection message sent to Consignee and MSA of Dispatch

#### Event Refusal message sent to MSA of Dispatch since Alert or Rejection found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Dispatch since Alert or Rejection found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to MSA of Dispatch since the Alert or Rejection of an e-AD/e-SAD (IE819) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.144: Event Refusal message sent to MSA of Dispatch since Alert or Rejection found invalid

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### Event Alert or Rejection of an e-AD/e-SAD recorded since Alert or Rejection of an e-AD/e-SAD message had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Alert or Rejection of an e-AD/e-SAD recorded since Alert or Rejection of an e-AD/e-SAD message had been found valid
Event Type	Conditional intermediate event
Description	The Alert or Rejection of an e-AD (IE819) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.145: Event Alert or Rejection of an e-AD/e-SAD recorded since Alert or Rejection of an e-AD/e-SAD message had been found valid

### Task Identify whether it is an Alert or a Rejection

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether it is an Alert or a Rejection
Task Type	Service task
Description	The MSA examines the Alert or Rejection of an e-AD/e-SAD (IE819) message content in order to identify whether the "E-AD/e-SAD Rejected flag" item has '1' (Rejection) or '0' (Alert) value. This data item is expected to determine whether the e-AD/e-SAD is intended to be rejected or there is an alert for the e-AD/e-SAD.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-08-Perform Alert or Rejection
Input Data	e-AD/e-SAD Rejected flag
Output Data	Result Identify whether it is an Alert or a Rejection
Previous Objects	Alert or Rejection of an e-AD/e-SAD recorded since Alert or Rejection of an e-AD/e-SAD message had been found valid
Information Exchange	
Requirements	COR_FUR_0024
Data Set	
Events	
State	

Table 5.146: Task Identify whether it is an Alert or a Rejection

### Task Perform change of e-AD/e-SAD state to Rejected

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TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of e-AD/e-SAD state to Rejected
Task Type	Service task
Description	The state of the movement is set to “Rejected”.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-08-Perform Alert or Rejection
Input Data	e-AD/e-SAD Rejected flag ARC Sequence Number
Output Data	e-AD/e-SAD state
Previous Objects	Alert or Rejection of an e-AD/e-SAD?
Information Exchange	
Requirements	COR_FUR_0025
Data Set	e-AD/e-SAD state
Events	IE819 received with e-AD/e-SAD Rejected flag = Yes/True
State	Rejected

Table 5.147: Task Perform change of e-AD/e-SAD state to Rejected

### Task Start timer TIM\_CHS

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Start timer TIM_CHS
Task Type	Service task
Description	If the e-AD/e-SAD is rejected, the MSA of Dispatch application starts a timer (TIM_CHS) to expire at limit date for submission of a change of destination (or splitting only for Duty Suspension) or, exceptionally cancellation only for Duty Suspension movements.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	ARC Global Conclusion of Receipt e-AD/e-SAD Rejected flag Sequence Number

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Output Data	TIM_CHS Expiry Date
Previous Objects	Perform change of e-AD/e-SAD state to Rejected
Information Exchange	
Requirements	COR_FUR_0019
Data Set	
Events	
State	

Table 5.148: Task Start timer TIM\_CHS

### Task Notify Consignor of the Alert or Rejection

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignor of the Alert or Rejection
Task Type	Send task
Description	The MSA of Dispatch sends the Alert or Rejection of an e-AD/e-SAD (IE819) to the Consignor
Actor	EMCS
Input Data	C_REJ_DAT
Output Data	
Previous Objects	Start timer TIM_CHS Alert or Rejection of an e-AD/e-SAD?
Information Exchange	alert or rejection
Requirements	COR_FUR_0028
Data Set	
Events	
State	

Table 5.149: Task Notify Consignor of the Alert or Rejection

### Event Alert or Rejection sent to Consignor

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Alert or Rejection sent to Consignor
Event Type	End event
Description	The Alert or Rejection of an e-AD (IE819) was recorded and sent to



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	Consignor.
Previous Objects	Notify Consignor of the Alert or Rejection

Table 5.150: Event Alert or Rejection sent to Consignor

## 5.7. Process L4-CORE-01-09-Manage Explanations for Shortages and Excesses

### 5.7.1. Objective of Process

The purpose of this process is to describe the post-delivery of the movement.

This use case describes the dissemination of the explanation messages from the consignor and/or from the consignee. If the Report of Receipt declares shortages or excesses, then the Consignor and/or the Consignee may provide explanations by submitting a complementary explanations (IE871) message. The submission of explanations is optional for both the Consignor and the Consignee and may occur several times by the same actors. The explanations are disseminated to the MSA of Dispatch and to the MSA of Destination, so that they have as much information as possible to base their claims. (\*)

More specifically,

- the explanations of the consignor may be for instance that he actually did not send all the goods described in the e-AD/e-SAD;
- the explanations of the consignee may be for instance that a part of goods have arrived late, after issuance of the report of receipt;
- other explanations may, for instance, describe losses that occurred during the transport (concurrently with event reports).

The process starts when the Economic Operator (Consignor/Consignee) sends Explanation on Reason for Shortage (IE871) to the Sending MSA (MSA of Dispatch/MSA of Destination). The Sending MSA receives Explanation on Reason for Shortage (IE871) and proceeds with validation and the handling of the validation results by using “Perform validation of Explanation on Reason for Shortage” subprocess and “Handle validation results of Explanation on Reason for Shortage” call-activity. Depending on the outcome (end event) of the “Handle validation results of Explanation on Reason for Shortage” call-activity, the following could happen:

- If a refusal message (IE917/IE704) is sent to the Economic Operator (since the Explanation on Reason for Shortage (IE871) was found invalid), the whole process ends at this point;
- If the Explanation on Reason for Shortage (IE871) is recorded (since Explanation on Reason for Shortage (IE871) was found valid), the process continues.

The Sending MSA sends Explanation on Reason for Shortage (IE871) to the Receiving MSA (MSA of Destination/MSA of Dispatch). The Receiving MSA receives Explanation on Reason for Shortage (IE871). Then, the Receiving MSA proceeds with validation and the handling of the validation results by using “Perform validation of Explanation on Reason for Shortage” subprocess and “Handle validation results of Explanation on Reason for Shortage” call-activity. Depending on the outcome (end event) of the “Handle validation results of Explanation on Reason for Shortage” call-activity, the following may happen:

- If a refusal message (IE917/IE906) is sent to the Sending MSA (since the Explanation on Reason for Shortage (IE871) was found invalid), the whole process ends at this point;
- If the Explanation on Reason for Shortage (IE871) is recorded (since Explanation on Reason for Shortage (IE871) was found valid), the process ends.

The Receiving MSA has received and recorded Explanation on Reason for Shortage (IE871).

(\*) In case of total or partial refusal of delivery, it is recommended, but not mandatory, to wait for the final delivery of goods at the last destination before exchanging explanations.

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### 5.7.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-09
Full Name	Manage Explanations for Shortages and Excesses
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-12-Manage Explanations on Reasons for Shortages or Excesses
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.151: Process Details

### 5.7.3. Tasks and Events

#### Task Perform validation of Explanation on Reason for Shortage

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Explanation on Reason for Shortage
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-04-Perform validation of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Explanation on Reason for Shortage received from an Economic Operator
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.152: Task Perform validation of Explanation on Reason for Shortage

#### Event Explanation on Reason for Shortage received from an Economic Operator

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Reason for Shortage received from an Economic Operator

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Event Type	Message start event
Description	The Sending MSA (MSA of Dispatch/MSA of Destination) application receives complementary explanations (IE871:C_SHR_EXP) regarding the shortages or excesses from an Economic Operator - Consignor/Consignee (e.g. the quantity of goods actually dispatched did not match with the e-AD/e-SAD).
Previous Objects	Economic Operator

Table 5.153: Event Explanation on Reason for Shortage received from an Economic Operator

### Task Handle validation results of Explanation on Reason for Shortage

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of Explanation on Reason for Shortage
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-06-Handle validation Results of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of Explanation on Reason for Shortage
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.154: Task Handle validation results of Explanation on Reason for Shortage

### Event Refusal message sent to Economic Operator due to Explanation on Reason for Shortage found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to Economic Operator due to Explanation on Reason for Shortage found invalid
Event Type	End event
Description	Refusal message (IE917/IE704) is sent to Economic Operator due to the fact that Explanation on Reason for Shortage was found invalid.
Previous Objects	What is the outcome of the handling of validation results?

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Table 5.155: Event Refusal message sent to Economic Operator due to Explanation on Reason for Shortage found invalid

### Event Explanation on Reason for Shortage recorded since it had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Reason for Shortage recorded since it had been found valid
Event Type	Conditional intermediate event
Description	Explanation on Reason for Shortage (IE871) recorded since Explanation on Reason for Shortage (IE871) had been found valid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.156: Event Explanation on Reason for Shortage recorded since it had been found valid

### Task Notify Receiving MSA of Explanation on Reason for Shortage

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Receiving MSA of Explanation on Reason for Shortage
Task Type	Send task
Description	The Sending MSA sends to the Receiving MSA the Explanation on Reason for Shortage (IE871).
Actor	EMCS
Input Data	C_SHR_EXP
Output Data	
Previous Objects	Explanation on Reason for Shortage recorded since it had been found valid
Information Exchange	explanation on reason for shortage
Requirements	COR_FUR_0029
Data Set	
Events	
State	

Table 5.157: Task Notify Receiving MSA of Explanation on Reason for Shortage

### Event Explanation on Reason for Shortage sent to Receiving MSA

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Reason for Shortage sent to Receiving MSA
Event Type	End event

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Description	Explanation on Reason for Shortage (IE871) is sent to Receiving MSA.
Previous Objects	Notify Receiving MSA of Explanation on Reason for Shortage

Table 5.158: Event Explanation on Reason for Shortage sent to Receiving MSA

### Event Explanation on Reason for Shortage received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Reason for Shortage received
Event Type	Message start event
Description	Explanation on Reason for Shortage (IE871) is received from the Sending MSA.
Previous Objects	Notify Receiving MSA of Explanation on Reason for Shortage

Table 5.159: Event Explanation on Reason for Shortage received

### Task Perform validation of Explanation on Reason for Shortage

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Explanation on Reason for Shortage
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Explanation on Reason for Shortage received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.160: Task Perform validation of Explanation on Reason for Shortage

### Task Handle validation results of Explanation on Reason for Shortage

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of Explanation on Reason for Shortage
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle

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	validation Results of Common Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of Explanation on Reason for Shortage
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.161: Task Handle validation results of Explanation on Reason for Shortage

### Event Refusal message sent to MSA due to Explanation on Reason for Shortage found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA due to Explanation on Reason for Shortage found invalid
Event Type	End event
Description	Refusal message (IE917/IE906) is sent to MSA due to the fact that Explanation on Reason for Shortage (IE871) was found invalid.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.162: Event Refusal message sent to MSA due to Explanation on Reason for Shortage found invalid

### Event Explanation on Reason for Shortage received and recorded by Receiving MSA

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Explanation on Reason for Shortage received and recorded by Receiving MSA
Event Type	End event
Description	Explanation on Reason for Shortage (IE871) was recorded since it had been found valid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.163: Event Explanation on Reason for Shortage received and recorded by Receiving MSA

## 5.8. Process L4-CORE-01-12-Perform Change of Destination

### 5.8.1. Objective of Process

The purpose of this process is to describe all possible paths in the electronic flow of the change of destination for a movement of Excise Goods, in accordance with the current Common Specifications (FESS and DDNEA).

To change the destination of a movement, the consignor updates part of information to show a new consignee or a new place of delivery. A change of destination should be submitted only when the goods have left the place of Dispatch. For movements under Duty Suspension, if the goods have not left the place of dispatch the consignor should cancel the e-AD and submit a new draft e-AD with the updated destination information instead.

The process is triggered when the EMCS at MSA of Dispatch receives a draft change of destination (IE813) from the Consignor. After the receipt of the draft change of destination, the EMCS at the MSA of Dispatch validates its data, by using the "L4-CORE-01-04-Perform validation of External Domain message" sub-process. Then, the EMCS at MSA of Dispatch proceeds with the handling of the validation results by using the "L4-CORE-01-06-Handle validation Results of External Domain message" process. Depending on the outcome (end event) of the "L4-CORE-01-06-Handle validation Results of External Domain message" process, the following may happen:

- a. If a refusal message (IE917/IE704) is sent to the Consignor (since the draft change of destination was found invalid), the whole process ends at this point;
- b. If the change of destination (IE813) is recorded (since the draft change of destination was found valid), the process continues.

Then, the EMCS at MSA of Dispatch updates the e-AD/e-SAD according to the changes, sets the state of the original e-AD/e-SAD (\*) to Accepted and notifies the Consignor of the change of destination (IE813).

Following, the MSA of Dispatch examines what the update of e-AD/e-SAD indicates:

- If the update indicates a Change of Place of Delivery (applicable for either Duty Suspension or Duty Paid B2B movements), but not a change of the Member State of destination nor a change of Consignee, the process "L4-CORE-01-15-Perform Change of Destination indicating Change of Place of Delivery" is triggered. Upon completion of the process, the MSA of Dispatch has sent to the Consignor and to the MSA of Destination the Change of Place of Delivery.
- If the update indicates a Change of MSA of Destination (only applicable for Duty Suspension movements), the process "L4-CORE-01-13-Perform Change of Destination indicating Change of MSA" is triggered. Upon completion of the process the MSA of Dispatch has sent to the Consignor and to the former MSA of Destination, if any (since it is possible the MSA of Destination in the original e-AD to be unknown for Duty Suspension movements), the Change of MSA of Destination. Furthermore, the e-AD/e-SAD is sent to the MSA of Destination.
- If the update indicates Change of Consignee in the same Member State of destination (applicable for either Duty Suspension or Duty Paid B2B movements), the process "L4-CORE-01-14-Perform Change of Destination indicating Change of Consignee" is triggered. Upon completion of the process, the MSA of Dispatch has sent the Change of Consignee to the Consignor and the e-AD/e-SAD to the MSA of Destination.

Furthermore, the EMCS at MSA of Dispatch handles the timers associated with the specific movement by using the "L4-CORE-01-17-Handle Timers associated with a Change of Destination" sub-process (for a

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detailed description of the respective process please refer to “L4-CORE-01-17-Handle Timers associated with a Change of Destination”) and the whole process ends at this point.

(\*) original e-AD/e-SAD, means the e-AD/e-SAD which has been previously generated.

### 5.8.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-12
Full Name	Perform Change of Destination
Assumptions	The goods have left the place of Dispatch.
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-06-Perform Change of Destination
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.164: Process Details

### 5.8.3. Tasks and Events

#### Task Perform validation of draft Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of draft Change of Destination
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-04-Perform validation of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Draft Change of Destination received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.165: Task Perform validation of draft Change of Destination

#### Event Draft Change of Destination received



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EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Draft Change of Destination received
Event Type	Message start event
Description	The current process starts when the MSA of Dispatch receives a draft Change of Destination (IE813) from the Consignor.
Previous Objects	Consignor

Table 5.166: Event Draft Change of Destination received

### Task Handle validation results of draft Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of draft Change of Destination
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-06-Handle validation Results of External Domain message
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of draft Change of Destination
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.167: Task Handle validation results of draft Change of Destination

### Event Refusal message sent to Consignor since draft Change of Destination had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to Consignor since draft Change of Destination had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE704) was sent to Consignor since the draft Change of Destination (IE813) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

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Table 5.168: Event Refusal message sent to Consignor since draft Change of Destination had been found invalid

### Event Change of Destination recorded since draft Change of Destination had been found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination recorded since draft Change of Destination had been found valid
Event Type	Conditional intermediate event
Description	The Change of Destination (IE813) was recorded since the draft Change of Destination (IE813) had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.169: Event Change of Destination recorded since draft Change of Destination had been found valid

### Task Update e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Update e-AD/e-SAD
Task Type	Service task
Description	The MSA of Dispatch updates the e-AD/e-SAD according to the changes of the received Change of Destination (IE813). The e-AD/e-SAD is not cancelled but only updated. Older information remains available for consultation of the history of the movement.
Actor	EMCS
Input Data	C_UPD_DAT
Output Data	C_UPD_DAT
Previous Objects	Change of Destination recorded since draft Change of Destination had been found valid
Information Exchange	
Requirements	COR_FUR_0040
Data Set	
Events	
State	

Table 5.170: Task Update e-AD/e-SAD

### Task Perform change of original e-AD/e-SAD state to Accepted

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
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Task Name	Perform change of original e-AD/e-SAD state to Accepted
Task Type	Service task
Description	The state of the movement is changed to “Accepted”.
Actor	EMCS
Input Data	Sequence Number ARC
Output Data	e-AD/e-SAD state
Previous Objects	Update e-AD/e-SAD
Information Exchange	
Requirements	COR_FUR_0037
Data Set	e-AD/e-SAD state
Events	IE813 received
State	Accepted

Table 5.171: Task Perform change of original e-AD/e-SAD state to Accepted

### Task Notify Consignor of Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignor of Change of Destination
Task Type	Send task
Description	The MSA of Dispatch notifies the Consignor of the Change of Destination (IE813).
Actor	EMCS
Input Data	C_UPD_DAT
Output Data	
Previous Objects	Perform change of original e-AD/e-SAD state to Accepted
Information Exchange	change of destination
Requirements	COR_FUR_0038
Data Set	
Events	
State	

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Table 5.172: Task Notify Consignor of Change of Destination

### Task Identify what the update includes

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify what the update includes
Task Type	Service task
Description	The MSA of Dispatch examines what the update of the e-AD/e-SAD indicates.
Actor	EMCS
Input Data	TRADER New Consignee for IE813 TRADER Place of Delivery for IE813 OFFICE Place of Delivery - Customs for IE813 ARC Sequence Number
Output Data	Result Identify what the update includes
Previous Objects	Notify Consignor of Change of Destination
Information Exchange	
Requirements	COR_FUR_0039
Data Set	
Events	
State	

Table 5.173: Task Identify what the update includes

### Task Perform change of destination indicating Change of Place of Delivery

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of destination indicating Change of Place of Delivery
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-15-Perform Change of Destination indicating Change of Place of Delivery.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	What does the update include?
Information Exchange	
Requirements	

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Data Set	
Events	
State	

Table 5.174: Task Perform change of destination indicating Change of Place of Delivery

### Task Perform change of destination indicating Change of Consignee

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of destination indicating Change of Consignee
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-14-Perform Change of Destination indicating Change of Consignee.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	What does the update include?
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.175: Task Perform change of destination indicating Change of Consignee

### Task Perform change of destination indicating Change of MSA (Duty Suspension only)

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform change of destination indicating Change of MSA (Duty Suspension only)
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-13-Perform Change of Destination indicating Change of MSA.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	What does the update include?
Information Exchange	
Requirements	
Data Set	

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Events	
State	

Table 5.176: Task Perform change of destination indicating Change of MSA (Duty Suspension only)

### Task Handle Timers associated with a Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle Timers associated with a Change of Destination
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-17-Handle Timers associated with a Change of Destination.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform change of destination indicating Change of MSA (Duty Suspension only) Perform change of destination indicating Change of Consignee Perform change of destination indicating Change of Place of Delivery
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.177: Task Handle Timers associated with a Change of Destination

### Event e-AD/e-SAD is in Accepted state and timers updated at MSA of Dispatch

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD is in Accepted state and timers updated at MSA of Dispatch
Event Type	End event
Description	e-AD is in Accepted state and associated timers have been updated.
Previous Objects	Handle Timers associated with a Change of Destination

Table 5.178: Event e-AD/e-SAD is in Accepted state and timers updated at MSA of Dispatch

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## 5.9. Process L4-CORE-01-14-Perform Change of Destination indicating Change of Consignee

### 5.9.1. Objective of Process

The purpose of this process is to describe the change of destination of a movement indicating Change of Consignee.

The process is triggered when a Change of destination indicating Change of Consignee is available at MSA of Dispatch. The EMCS at the MSA of Dispatch builds an e-AD/e-SAD (IE801) with the same ARC as in the original e-AD/e-SAD (\*), records the generated e-AD/e-SAD (IE801), notifies the MSA of Destination of the e-AD/e-SAD (IE801) and the process continues.

After the receipt of the e-AD/e-SAD (IE801) by the MSA of Destination, the process “L4-CORE-01-16-Handle e-AD/e-SAD upon Change of Destination” is triggered. Upon completion of the process, the MSA of Dispatch has sent to the Consignee the e-AD/e-SAD (IE801).

Following, the EMCS at MSA of Destination builds the notification of diverted e-AD/e-SAD, records the diverted e-AD and notifies the former Consignee of the diverted e-AD/e-SAD (IE803). The whole process ends.

It shall be highlighted that for Duty Paid B2B movements, a change of destination indicating Change of Consignee is allowed only where the new consignee is actually the original consignor. This feature can be used to return the goods to the Place of Dispatch, for instance as a form of cancellation of a Duty Paid B2B movement.

(\*) original e-AD/e-SAD, means the e-AD/e-SAD which has been previously generated.

### 5.9.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-14
Full Name	Perform Change of Destination indicating Change of Consignee
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-11-Handle Change of Destination indicating Change of Consignee
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.179: Process Details

### 5.9.3. Tasks and Events

**Event Change of Destination indicating Change of Consignee is available at MSA of Dispatch**

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EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination indicating Change of Consignee is available at MSA of Dispatch
Event Type	Start event
Description	The MSA of Dispatch has received and successfully validated a draft e-AD update (IE813:C_UPD_DAT) where a change of Consignee is indicated.
Previous Objects	

Table 5.180: Event Change of Destination indicating Change of Consignee is available at MSA of Dispatch

### Task Build e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build e-AD/e-SAD
Task Type	Service task
Description	<p>EMCS of the MSA of Dispatch generates an e-AD/e-SAD (IE801) with the same ARC as in the original e-AD/e-SAD and any new destination details. In case of change of destination for a partially refused movement, the generated e-AD/e-SAD (IE801) includes the refused quantity declared by the former Consignee in the partially refused report of receipt. Otherwise, the quantity is the same as the one in the original e-AD/e-SAD (IE801).</p> <p>It shall be noted that if the change of destination is to return the goods back to the place of dispatch then the new consignee is set to the original consignor and the new place of destination is set to the original place of dispatch.</p>
Actor	EMCS
Input Data	C_UPD_DAT Result Identify what the update includes
Output Data	C_EAD_VAL
Previous Objects	Change of Destination indicating Change of Consignee is available at MSA of Dispatch
Information Exchange	
Requirements	COR_FUR_0041
Data Set	
Events	
State	

Table 5.181: Task Build e-AD/e-SAD



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### Task Record e-AD(s)/e-SAD(s)

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record e-AD(s)/e-SAD(s)
Task Type	Service task
Description	The updated e-AD(s)/e-SAD(s) are stored.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Build e-AD/e-SAD
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.182: Task Record e-AD(s)/e-SAD(s)

### Task Notify MSA of Destination/ MSA of Export of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA of Destination/ MSA of Export of e-AD/e-SAD
Task Type	Send task
Description	If the destination of the movement is known, the MSA of Dispatch notifies the MSA of Destination/ MSA of Export of the e-AD/e-SAD (IE801).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-01-Submit and Register e-AD/e-SAD
Input Data	C_EAD_VAL
Output Data	
Previous Objects	Record e-AD(s)/e-SAD(s)
Information Exchange	e-AD/e-SAD
Requirements	COR_FUR_0005
Data Set	
Events	
State	

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Table 5.183: Task Notify MSA of Destination/ MSA of Export of e-AD/e-SAD

### Event e-AD sent to MSA of Destination/ MSA of Export

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD sent to MSA of Destination/ MSA of Export
Event Type	End event
Description	The e-AD (IE801) message has been sent to the MSA of Destination/ MSA of Export.
Previous Objects	Notify MSA of Destination/ MSA of Export of e-AD/e-SAD

Table 5.184: Event e-AD sent to MSA of Destination/ MSA of Export

### Event e-AD/e-SAD upon Change of Destination received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD upon Change of Destination received
Event Type	Message start event
Description	The MSA of Destination/ MSA of Export received the e-AD/e-SAD (IE801) from the MSA of Dispatch.
Previous Objects	Notify MSA of Destination/ MSA of Export of e-AD/e-SAD

Table 5.185: Event e-AD/e-SAD upon Change of Destination received

### Task Handle e-AD/e-SAD upon Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle e-AD/e-SAD upon Change of Destination
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-16-Handle e-AD upon Change of Destination.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	e-AD/e-SAD upon Change of Destination received
Information Exchange	
Requirements	
Data Set	
Events	

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State	
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Table 5.186: Task Handle e-AD/e-SAD upon Change of Destination

### Task Build Notification of Diverted e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Notification of Diverted e-AD/e-SAD
Task Type	Service task
Description	The MSA of Destination builds a notification of a diverted e-AD/e-SAD (IE803).
Actor	EMCS
Input Data	C_EAD_VAL
Output Data	C_EAD_NOT
Previous Objects	Handle e-AD/e-SAD upon Change of Destination
Information Exchange	
Requirements	COR_FUR_0048
Data Set	
Events	
State	

Table 5.187: Task Build Notification of Diverted e-AD/e-SAD

### Task Record Notification of Diverted e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Notification of Diverted e-AD/e-SAD
Task Type	Service task
Description	The Notification of Diverted e-AD/e-SAD (IE803) is stored.
Actor	EMCS
Input Data	C_EAD_NOT
Output Data	C_EAD_NOT
Previous Objects	Build Notification of Diverted e-AD/e-SAD
Information Exchange	
Requirements	COR_FUR_0049
Data Set	

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Events	
State	

Table 5.188: Task Record Notification of Diverted e-AD/e-SAD

### Task Notify former Consignee of Notification of Diverted e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify former Consignee of Notification of Diverted e-AD/e-SAD
Task Type	Send task
Description	The MSA of Destination notifies the former Consignee of the Notification of Diverted e-AD/e-SAD (IE803).
Actor	EMCS
Input Data	C_EAD_NOT
Output Data	
Previous Objects	Record Notification of Diverted e-AD/e-SAD
Information Exchange	notification of diverted e-AD
Requirements	COR_FUR_0044
Data Set	
Events	
State	

Table 5.189: Task Notify former Consignee of Notification of Diverted e-AD/e-SAD

### Event e-AD/e-SAD received and Notification of Diverted e-AD/e-SAD sent to Former Consignee

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD received and Notification of Diverted e-AD/e-SAD sent to Former Consignee
Event Type	End event
Description	The MSA of Destination received the e-AD/e-SAD (IE801) and sent the Notification of Diverted e-AD/e-SAD (IE803) to the former Consignee.
Previous Objects	Notify former Consignee of Notification of Diverted e-AD/e-SAD

Table 5.190: Event e-AD/e-SAD received and Notification of Diverted e-AD/e-SAD sent to Former Consignee

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## 5.10. Process L4-CORE-01-15-Perform Change of Destination indicating Change of Place of Delivery

### 5.10.1. Objective of Process

The purpose of this process is to describe the change of destination of a movement indicating Change of Place of Delivery.

The process is triggered when a Change of destination indicating Change of Place of Delivery is available at MSA of Dispatch. The EMCS at the MSA of Dispatch forwards the Change of Destination (IE813) to the MSA of Destination and the process continues.

After the receipt of the change of destination (IE813), the EMCS at MSA of Destination/ MSA of Export proceeds with validating its data, by using the "L4-CORE-01-03-Perform validation of Common Domain message" sub-process. Then, the EMCS at MSA of Destination/ MSA of Export proceeds with the handling of the validation results by using the "L4-CORE-01-05-Handle validation Results of Common Domain message" process. Depending on the outcome (end event) of the "L4-CORE-01-05-Handle validation Results of Common Domain message" process, the following may happen:

a. If a refusal message (IE917/IE906) is sent to the MSA of Dispatch (since the change of destination was found invalid), the whole process ends at this point;

b. If the change of destination is recorded (since the change of destination was found valid), the process continues.

Then, the EMCS at MSA of Destination/ MSA of Export sets state of the e-AD/e-SAD to Accepted. After this:

- In case of MSA of Export (i.e. for Duty Suspension movements), the whole process ends here;
- In case of MSA of Destination, the EMCS at MSA of Destination forwards the Change of Destination (IE813) to the Consignee and the whole process ends.

### 5.10.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-15
Full Name	Perform Change of Destination indicating Change of Place of Delivery
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-09-Handle Change of Destination indicating Change of Place of Delivery
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.191: Process Details

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### 5.10.3. Tasks and Events

#### Event Change of Destination indicating Change of Place of Delivery is available at MSA of Dispatch

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination indicating Change of Place of Delivery is available at MSA of Dispatch
Event Type	Start event
Description	The MSA of Dispatch has received and successfully validated a draft e-AD update (IE813:C_UPD_DAT) where a change of the Place of Delivery is indicated.
Previous Objects	

Table 5.192: Event Change of Destination indicating Change of Place of Delivery is available at MSA of Dispatch

#### Task Notify MSA of Destination, of the Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA of Destination, of the Change of Destination
Task Type	Send task
Description	The EMCS of the MSA of Dispatch forwards the Change of Destination (IE813) to the unchanged MSA of Destination/ MSA of Export.
Actor	EMCS
Input Data	Result Identify what the update includes C_UPD_DAT
Output Data	
Previous Objects	Change of Destination indicating Change of Place of Delivery is available at MSA of Dispatch
Information Exchange	change of destination
Requirements	COR_FUR_0050
Data Set	
Events	
State	

Table 5.193: Task Notify MSA of Destination, of the Change of Destination

#### Event Change of Destination sent to MSA of Destination/ MSA of Export

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
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Event Name	Change of Destination sent to MSA of Destination/ MSA of Export
Event Type	End event
Description	The Change of Destination (IE813) message has been sent to the MSA of Destination/ MSA of Export.
Previous Objects	Notify MSA of Destination, of the Change of Destination

Table 5.194: Event Change of Destination sent to MSA of Destination/ MSA of Export

### Event Change of Destination received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination received
Event Type	Message start event
Description	The MSA of Destination/ MSA of Export received the Change of Destination (IE813) from the MSA of Dispatch.
Previous Objects	Notify MSA of Destination, of the Change of Destination

Table 5.195: Event Change of Destination received

### Task Perform validation of the Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of the Change of Destination
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Change of Destination received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.196: Task Perform validation of the Change of Destination

### Task Handle validation results of the Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
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Task Name	Handle validation results of the Change of Destination
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of the Change of Destination
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.197: Task Handle validation results of the Change of Destination

#### **Event Refusal message sent to MSA of Dispatch since Change of Destination had been found invalid**

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Dispatch since Change of Destination had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to MSA of Dispatch since the Change of Destination (IE813) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.198: Event Refusal message sent to MSA of Dispatch since Change of Destination had been found invalid

#### **Event Change of Destination recorded since it had been found valid**

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination recorded since it had been found valid
Event Type	Conditional intermediate event
Description	The Change of Destination (IE813) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.199: Event Change of Destination recorded since it had been found valid



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### Task Set e-AD/e-SAD state to Accepted

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Set e-AD/e-SAD state to Accepted
Task Type	Service task
Description	The state of the e-AD is set to “Accepted”.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-16-Handle e-AD/e-SAD upon Change of Destination
Input Data	Sequence Number ARC
Output Data	e-AD/e-SAD state
Previous Objects	Change of Destination recorded since it had been found valid
Information Exchange	
Requirements	COR_FUR_0051
Data Set	e-AD/e-SAD state
Events	IE813 received
State	Accepted

Table 5.200: Task Set e-AD/e-SAD state to Accepted

### Task Identify whether the destination of the movement is for Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the destination of the movement is for Export
Task Type	Service task
Description	The MSA identifies if the destination of the movement is for Export.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Set e-AD/e-SAD state to Accepted
Information Exchange	
Requirements	
Data Set	
Events	

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State	
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Table 5.201: Task Identify whether the destination of the movement is for Export

### Task Notify Consignee of Change of Destination

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignee of Change of Destination
Task Type	Send task
Description	The MSA of Destination notifies the Consignee of the Change of Destination (IE813).
Actor	EMCS
Input Data	C_UPD_DAT Result Identify whether the destination of the movement is for Export
Output Data	
Previous Objects	Was the initial destination of the movement for Export?
Information Exchange	change of destination
Requirements	COR_FUR_0052
Data Set	
Events	
State	

Table 5.202: Task Notify Consignee of Change of Destination

### Event Change of Destination found valid and received by MSA of Export

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination found valid and received by MSA of Export
Event Type	End event
Description	The Change of Destination (IE813) was found valid and received by MSA of Export. At this point the process ends.
Previous Objects	Was the initial destination of the movement for Export?

Table 5.203: Event Change of Destination found valid and received by MSA of Export

### Event Change of Destination sent to Consignee

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination sent to Consignee

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Event Type	End event
Description	The MSA of Destination sent the Change of Destination (IE813) to the Consignee.
Previous Objects	Notify Consignee of Change of Destination

Table 5.204: Event Change of Destination sent to Consignee

## 5.11. Process L4-CORE-01-16-Handle e-AD/e-SAD upon Change of Destination

### 5.11.1. Objective of Process

The purpose of this process is to describe the handling of an e-AD/e-SAD upon Change of Destination at the MSA of Destination/ MSA of Export.

The process is triggered when an e-AD/e-SAD is available at MSA of Destination/ MSA of Export upon Change of Destination. After the receipt of the e-AD/e-SAD (IE801), the EMCS at MSA of Destination/ MSA of Export proceeds with validating its data, by using the “Perform validation of e-AD/e-SAD” sub process. Then, the EMCS at MSA of Destination/ MSA of Export proceeds with the handling of the validation results by using the “Handle validation results of e-AD/e-SAD” call activity. Depending on the outcome (end event) of the “Handle validation results of e-AD/e-SAD” call activity, the following may happen:

- If a refusal message (IE917/IE906) is sent to the MSA of Dispatch (since the e-AD/e-SAD was found invalid), the whole process ends at this point;
- If the e-AD/e-SAD is recorded (since the e-AD/e-SAD was found valid), the process continues.

Then, the EMCS at MSA of Destination/ MSA of Export examines whether the update of e-AD/e-SAD indicates a Change of Consignee or a Change of MSA of Destination:

- In case of Change of Consignee the EMCS at MSA of Destination sets e-AD/e-SAD state to Accepted;
- In case of Change of MSA of Destination, the EMCS at MSA of Destination identifies whether a movement with the same ARC exists and sets or changes state of the e-AD/e-SAD to Accepted.

After this:

- In case of MSA of Export, the whole process ends here;
- In case of MSA of Destination, the EMCS at MSA of Destination notifies the Consignee of the e-AD/e-SAD (IE801) and the whole process ends.

### 5.11.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-16
Full Name	Handle e-AD/e-SAD upon Change of Destination

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Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-10-Handle Change of Destination indicating Change of MSA of Destination L3-CORE-01-11-Handle Change of Destination indicating Change of Consignee
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.205: Process Details

### 5.11.3. Tasks and Events

#### Task Perform validation of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of e-AD/e-SAD
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message
Actor	EMCS
Appears also in the following processes	L4-CORE-01-01-Submit and Register e-AD/e-SAD
Input Data	
Output Data	
Previous Objects	e-AD/e-SAD upon Change of Destination received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.206: Task Perform validation of e-AD/e-SAD

#### Event e-AD/e-SAD upon Change of Destination received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD upon Change of Destination received
Event Type	Start event

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Description	The new MSA of Destination/MSA of Export has received the generated e-AD with the updated destination details (IE801: C_EAD_VAL).
Previous Objects	

Table 5.207: Event e-AD/e-SAD upon Change of Destination received

### Task Handle validation results of e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of e-AD/e-SAD
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message
Actor	EMCS
Appears also in the following processes	L4-CORE-01-01-Submit and Register e-AD/e-SAD
Input Data	
Output Data	
Previous Objects	Perform validation of e-AD/e-SAD
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.208: Task Handle validation results of e-AD/e-SAD

### Event Refusal message sent to MSA of Dispatch since e-AD/e-SAD had been found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to MSA of Dispatch since e-AD/e-SAD had been found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to MSA of Dispatch since the e-AD (IE801) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.209: Event Refusal message sent to MSA of Dispatch since e-AD/e-SAD had been found invalid

### Event e-AD/e-SAD recorded since it had been found valid

EVENT ATTRIBUTE	EVENT ATTRIBUTE VALUE
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NAME	
Event Name	e-AD/e-SAD recorded since it had been found valid
Event Type	Conditional intermediate event
Description	The e-AD (IE801) was recorded since it had been found valid and the process continues.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.210: Event e-AD/e-SAD recorded since it had been found valid

### Task Set e-AD/e-SAD state to Accepted

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Set e-AD/e-SAD state to Accepted
Task Type	Service task
Description	The state of the e-AD is set to “Accepted”.
Actor	EMCS
Appears also in the following processes	L4-CORE-01-15-Perform Change of Destination indicating Change of Place of Delivery
Input Data	Sequence Number ARC
Output Data	e-AD/e-SAD state
Previous Objects	e-AD/e-SAD recorded since it had been found valid
Information Exchange	
Requirements	COR_FUR_0051
Data Set	e-AD/e-SAD state
Events	IE813 received
State	Accepted

Table 5.211: Task Set e-AD/e-SAD state to Accepted

### Task Identify whether the destination of the movement is for Export

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the destination of the movement is for Export
Task Type	Service task
Description	The MSA identifies if the destination of the movement is for Export.

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Actor	EMCS
Input Data	Sequence Number Destination Type Code ARC
Output Data	Result Identify whether the destination of the movement is for Export
Previous Objects	Set e-AD/e-SAD state to Accepted
Information Exchange	
Requirements	COR_FUR_0047
Data Set	
Events	
State	

Table 5.212: Task Identify whether the destination of the movement is for Export

### Task Notify Consignee of updated e-AD/e-SAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignee of updated e-AD/e-SAD
Task Type	Send task
Description	The EMCS of the MSA of Destination forwards the e-AD (IE801) to the new Consignee.
Actor	EMCS
Input Data	C_EAD_VAL Result Identify whether the destination of the movement is for Export
Output Data	
Previous Objects	Was the initial destination of the movement for Export?
Information Exchange	e-AD/e-SAD
Requirements	COR_FUR_0053
Data Set	
Events	
State	

Table 5.213: Task Notify Consignee of updated e-AD/e-SAD

### Event e-AD found valid and received by MSA of Export

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EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD found valid and received by MSA of Export
Event Type	End event
Description	The e-AD (IE801) was found valid and received by MSA of Export. At this point the process ends.
Previous Objects	Was the initial destination of the movement for Export?

Table 5.214: Event e-AD found valid and received by MSA of Export

### Event e-AD/e-SAD received and sent to the Consignee

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	e-AD/e-SAD received and sent to the Consignee
Event Type	End event
Description	The MSA of Destination/MSA of Export received the e-AD. If the new destination is not for export, the MSA of Destination has forwarded it to the Consignee. The process ends at this point.
Previous Objects	Notify Consignee of updated e-AD/e-SAD

Table 5.215: Event e-AD/e-SAD received and sent to the Consignee

## 5.12. Process L4-CORE-01-23-Provide Information on Intended Claims

### 5.12.1. Objective of Process

The purpose of this process is to describe the notification of the MSA of Dispatch by any MSA application claiming the recovery of duties for a movement that shortages have been ascertained, in accordance with the current Common Specifications (FESS and DDNEA). The Claiming MSA can be the MSA of Dispatch or the MSA of Destination or any other MSA.

The process is triggered when shortages and Excesses have been ascertained for the movement and the Excise Officer decides to register the analysis results.

The EMCS automatically records all the information provided, builds and records/stores the Basis for Recovery of Duties (IE861).

The EMCS of the Claiming MSA identifies whether the Claiming MSA is the MSA of Dispatch (as in this case analysis results are available in the MSA of Dispatch and the process ends at this point). In any other case the claiming MSA is a third MSA (including the case it is a former MSA of Destination) or a MSA of Destination and has to send the results of the analysis (IE861) to the MSA of Dispatch giving the basis of calculation of duties that it intends to claim from the guarantor and the process continues.

The EMCS of the MSA of Dispatch proceeds with the validation of the Basis for Recovery of Duties, by using the “Perform validation of Basis for Recovery of Duties message” sub process. Then, the EMCS at MSA of Dispatch proceeds with the handling of the validation results by using the “Handle validation results of Basis for Recovery of Duties” call activity. Depending on the outcome (end control) of the “Handle validation results of Basis for Recovery of Duties” call activity, the following may happen:



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a. If the Basis for Recovery of Duties is found invalid a refusal message (IE917/IE906) is sent to the Excise office of the Claiming MSA (since the Basis for Recovery of Duties was found invalid) and the whole process ends at this point.

b. If the Control Report is found valid the Basis for Recovery of Duties is recorded at the EMCS of MSA of Dispatch and the whole process ends.

### 5.12.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-23
Full Name	Provide Information on Intended Claims
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	L3-CORE-01-13-Manage Information on Intended Claims
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.216: Process Details

### 5.12.3. Tasks and Events

**Event Shortages and Excesses have been ascertained for the movement and the Excise Officer decides to register the analysis results**

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Shortages and Excesses have been ascertained for the movement and the Excise Officer decides to register the analysis results
Event Type	Start event
Description	<p>The Excise officer in the claiming MSA has received part or all of:</p> <ul style="list-style-type: none"> <li>· the e-AD/e-SAD (possibly through “Download of an e-AD/e-SAD” and “General query to retrieve an e-AD/e-SAD”;</li> <li>· the report of receipt, possibly several reports of receipt if partial refusal has been performed on the concerned e-AD/e-SAD;</li> <li>· reports of controls carried out during the movement;</li> <li>· reports of events issued during the movement;</li> <li>· additional explanations provided by the consignor and/or by the consignee;</li> <li>· additional information brought by other MSAs (possibly in response to request for assistance).</li> </ul> <p>In order to have this information, the Excise Officer may have to download</p>

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	<p>the movement through “Download of an e-AD/e-SAD” and “General query to retrieve an e-AD/e-SAD”. Specifically, when the claims are based on shortages declared in a Report of Receipt:</p> <ul style="list-style-type: none"> <li>· if the claiming MSA is a non-involved MSA the e-AD/e-SAD download is mandatory;</li> <li>· if the claiming MSA is the MSA of Dispatch the e-AD/e-SAD download is not applicable;</li> <li>· if the claiming MSA is the MSA of Destination the e-AD/e-SAD download is optional, but recommended;</li> <li>· if the claiming MSA is a former MSA of Destination that has submitted the Report of Receipt ascertaining shortages the e-AD/e-SAD download is optional, but recommended;</li> <li>· if the claiming MSA is a former MSA of Destination and the Report of Receipt ascertaining shortages is submitted by a different MSA the e-AD/e-SAD download is mandatory.</li> </ul> <p>In all cases, when the Excise Officer intends to take in account and reference in his analysis any event and/or control reports that is not available at the Claiming MSA, the download of the e-AD/e-SAD is mandatory.</p> <p>Moreover, if deemed necessary by the Excise officer (at the MSA of Destination or at a third MSA) performing the investigation, that the results of the analysis (IE861: C_RES_DAT) contains Event Report or Control Report references that are not available in the MSA of Destination or in the third MSA application, then the e-AD/e-SAD download must be performed. This ensures that the referenced Event Reports or Control Reports exist and it will enable the MSA of Destination or the third MSA application to validate the existence of the referenced Event Reports or Control Reports. Furthermore, optionally the “General query to retrieve an e-AD/e-SAD” can also be used to retrieve information.</p>
Previous Objects	

Table 5.217: Event Shortages and Excesses have been ascertained for the movement and the Excise Officer decides to register the analysis results

### Task Register the analysis results

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Register the analysis results
Task Type	User task
Description	Excise Officer registers the analysis results on EMCS.
Actor	Excise officer
Input Data	C_RES_DAT
Output Data	C_RES_DAT

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Previous Objects	Shortages and Excesses have been ascertained for the movement and the Excise Officer decides to register the analysis results
Information Exchange	
Requirements	COR_FUR_0069
Data Set	
Events	
State	

Table 5.218: Task Register the analysis results

### Task Record the analysis results

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record the analysis results
Task Type	Service task
Description	Analysis results are recorded on EMCS of the Claiming MSA.
Actor	EMCS
Input Data	C_RES_DAT
Output Data	C_RES_DAT
Previous Objects	Register the analysis results
Information Exchange	
Requirements	COR_FUR_0070
Data Set	
Events	
State	

Table 5.219: Task Record the analysis results

### Task Build Basis for Recovery of Duties

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Basis for Recovery of Duties
Task Type	Service task
Description	Considering the analysis results recorded, the EMCS builds the Basis for Recovery of Duties (IE861).
Actor	EMCS
Input Data	C_RES_DAT

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Output Data	C_RES_DAT
Previous Objects	Record the analysis results
Information Exchange	
Requirements	COR_FUR_0073
Data Set	
Events	
State	

Table 5.220: Task Build Basis for Recovery of Duties

### Task Record Basis for Recovery of Duties

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Basis for Recovery of Duties
Task Type	Service task
Description	The Basis for Recovery of Duties (IE861) is stored.
Actor	EMCS
Input Data	C_RES_DAT
Output Data	C_RES_DAT
Previous Objects	Build Basis for Recovery of Duties
Information Exchange	
Requirements	COR_FUR_0071
Data Set	
Events	
State	

Table 5.221: Task Record Basis for Recovery of Duties

### Task Identify whether the Claiming MSA is the MSA of Dispatch

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the Claiming MSA is the MSA of Dispatch
Task Type	Service task
Description	The Claiming MSA identifies whether the Claiming MSA is the MSA of Dispatch.
Actor	EMCS

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Input Data	ARC Member State Code Incredit
Output Data	Result Identify whether the Claiming MSA is the MSA of Dispatch
Previous Objects	Record Basis for Recovery of Duties
Information Exchange	
Requirements	COR_FUR_0072
Data Set	
Events	
State	

Table 5.222: Task Identify whether the Claiming MSA is the MSA of Dispatch

### **Event Basis of Recovery of Duties built at MSA of Dispatch and Analysis Results are available in the MSA of dispatch**

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Basis of Recovery of Duties built at MSA of Dispatch and Analysis Results are available in the MSA of dispatch
Event Type	End event
Description	Basis for Recovery of Duties (IE861) has been built at MSA of Dispatch and Analysis Results are available in the MSA of dispatch. The process ends at this point.
Previous Objects	Is the Claiming MSA the MSA of Dispatch?

Table 5.223: Event Basis of Recovery of Duties built at MSA of Dispatch and Analysis Results are available in the MSA of dispatch

### **Task Notify MSA of Dispatch of Basis for Recovery of Duties**

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify MSA of Dispatch of Basis for Recovery of Duties
Task Type	Send task
Description	The Requesting MSA notifies the MSA of Dispatch of the Basis for Recovery of Duties (IE861).
Actor	EMCS
Input Data	C_RES_DAT
Output Data	
Previous Objects	Is the Claiming MSA the MSA of Dispatch?

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Information Exchange	basis for recovery of duties
Requirements	COR_FUR_0074
Data Set	
Events	
State	

Table 5.224: Task Notify MSA of Dispatch of Basis for Recovery of Duties

### Event Basis for Recovery of Duties sent to MSA of Dispatch

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Basis for Recovery of Duties sent to MSA of Dispatch
Event Type	End event
Description	Basis for Recovery of Duties (IE861) sent to MSA of Dispatch.
Previous Objects	Notify MSA of Dispatch of Basis for Recovery of Duties

Table 5.225: Event Basis for Recovery of Duties sent to MSA of Dispatch

### Event Basis for Recovery of Duties received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Basis for Recovery of Duties received
Event Type	Message start event
Description	The MSA of Dispatch received the Basis for Recovery of Duties (IE861) from the Requesting MSA.
Previous Objects	Notify MSA of Dispatch of Basis for Recovery of Duties

Table 5.226: Event Basis for Recovery of Duties received

### Task Perform validation of Basis for Recovery of Duties

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform validation of Basis for Recovery of Duties
Task Type	Subprocess (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-03-Perform validation of Common Domain message.
Actor	EMCS
Input Data	

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Output Data	
Previous Objects	Basis for Recovery of Duties received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.227: Task Perform validation of Basis for Recovery of Duties

### Task Handle validation results of Basis for Recovery of Duties

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Handle validation results of Basis for Recovery of Duties
Task Type	Call activity (collapsed)
Description	This task is modeled in a separate process: L4-CORE-01-05-Handle validation Results of Common Domain message.
Actor	EMCS
Input Data	
Output Data	
Previous Objects	Perform validation of Basis for Recovery of Duties
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.228: Task Handle validation results of Basis for Recovery of Duties

### Event Refusal message sent to Claiming MSA since Basis for Recovery of Duties found invalid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Refusal message sent to Claiming MSA since Basis for Recovery of Duties found invalid
Event Type	End event
Description	A Refusal message (IE917/IE906) was sent to Requesting MSA since the Basis for Recovery of Duties (IE861) had been found invalid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

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PROCESS MODELS

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Table 5.229: Event Refusal message sent to Claiming MSA since Basis for Recovery of Duties found invalid

### Event Basis for Recovery of Duties recorded, since found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Basis for Recovery of Duties recorded, since found valid
Event Type	End event
Description	The Basis for Recovery of Duties (IE861) was recorded since it had been found valid and the process ends at this point.
Previous Objects	What is the outcome of the handling of validation results?

Table 5.230: Event Basis for Recovery of Duties recorded, since found valid

## 5.13. Process L4-CORE-01-24-Issue reminder at expiry of timer for Change of Destination (TIM\_CHS)

### 5.13.1. Objective of Process

The purpose of this process is to describe the process after the timer TIM\_CHS expiration for a movement of Excise Goods (inside the territory of the European Union), in accordance with the current Common Specifications (FESS and DDNEA).

The process is triggered when the timer TIM\_CHS (the timer that was issued when the delivery of a consignment has been refused or partially refused, or the e-AD/e-SAD has been rejected) has expired at the MSA of Dispatch.

After this, the EMCS at MSA of Dispatch builds a reminder message for Excise movement (IE802) and then records it. Following the EMCS at MSA of Dispatch notifies the Consignor of the reminder message for Excise movement (IE802) and the whole process ends.

### 5.13.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-24
Full Name	Issue reminder at expiry of timer for Change of Destination (TIM_CHS)
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	N/A
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.231: Process Details



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### 5.13.3. Tasks and Events

#### Event TIM\_CHS expired

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	TIM_CHS expired
Event Type	Timer start event
Description	The current process starts when the timer TIM_CHS (the timer was issued when the delivery of a consignment has been refused or partially refused, or the e-AD has been rejected) has expired at the MSA of Dispatch.
Previous Objects	

Table 5.232: Event TIM\_CHS expired

#### Task Build Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Build Reminder
Task Type	Task
Description	The MSA of Dispatch builds a Reminder (IE802).
Actor	EMCS
Input Data	ARC TIM_CHS Expiry Date Sequence Number
Output Data	C_EXC_REM
Previous Objects	TIM_CHS expired
Information Exchange	
Requirements	COR_FUR_0082
Data Set	
Events	
State	

Table 5.233: Task Build Reminder

#### Task Record Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Record Reminder
Task Type	Service task
Description	The Reminder (IE802) is stored.

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Actor	EMCS
Appears also in the following processes	L4-CORE-01-07-Issue Reminder at expiry of time limit for Report of Receipt/Export
Input Data	C_EXC_REM
Output Data	C_EXC_REM
Previous Objects	Build Reminder
Information Exchange	
Requirements	COR_FUR_0083
Data Set	
Events	
State	

Table 5.234: Task Record Reminder

### Task Notify Consignor of Reminder

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Notify Consignor of Reminder
Task Type	Send task
Description	The MSA of Dispatch notifies the Consignor of the Reminder (IE802).
Actor	EMCS
Appears also in the following processes	L4-CORE-01-07-Issue Reminder at expiry of time limit for Report of Receipt/Export
Input Data	C_EXC_REM
Output Data	
Previous Objects	Record Reminder
Information Exchange	reminder message for Excise movement
Requirements	COR_FUR_0084
Data Set	
Events	
State	

Table 5.235: Task Notify Consignor of Reminder

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## Event Reminder message after expiry of the change of destination timer (TIM\_CHS) sent to the Consignor

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Reminder message after expiry of the change of destination timer (TIM_CHS) sent to the Consignor
Event Type	End event
Description	MSA of Dispatch sent Reminder message to the Consignor and the process ends at this point.
Previous Objects	Notify Consignor of Reminder

Table 5.236: Event Reminder message after expiry of the change of destination timer (TIM\_CHS) sent to the Consignor

## 5.14. Process L4-CORE-01-03-Perform validation of Common Domain message

### 5.14.1. Objective of Process

The purpose of this sub process is to describe all possible steps during the validation of a Common Domain message, in accordance with the current Common Specifications (DDNEA).

The current sub process is triggered when a Common Domain message is received. After the Common Domain message is received, a Syntactic validation of this message is performed:

- In case the message is found invalid due to Syntactic violation(s), the sub process ends here;
- In case the message is found valid, the sub process continues.

Then, Coordination Protocol validation of the message is performed:

- In case the message is found invalid due to Coordination Protocol violation(s), the sub process ends at this point;
- In case the message is found valid, the sub process also ends.

### 5.14.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-03
Full Name	Perform validation of Common Domain message
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	N/A
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.237: Process Details

### 5.14.3. Tasks and Events

#### Event Common Domain message received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Common Domain message received
Event Type	Start event
Description	The current process starts when a Common Domain message is received.
Previous Objects	

Table 5.238: Event Common Domain message received

#### Task Perform Syntactic validation of Common Domain message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform Syntactic validation of Common Domain message
Task Type	Service task
Description	<p>The following validations are defined as the Syntactic layer validations and when any of the aforementioned validations fails for a given Common Domain XML message, then that message is defined as syntactically invalid:</p> <ul style="list-style-type: none"> <li>• After the reception of a Common Domain XML message and before the message is further processed the receiver validates the size of the received message (defined in DDNEA and TESS), in order to avoid unresponsiveness or abrupt failure of the receiving application;</li> <li>• In the case that the received message is within the acceptable size limit, the receiver validates that its content conforms to the XML standard (defined in DDNEA) and that it is UTF-8 encoded;</li> <li>• Then, the receiver validates the structure of the received Common Domain XML message against the corresponding XSD defined in Appendix H of DDNEA.</li> </ul> <p>Also, it shall be noted that it is the responsibility of the application (sending message exchanges over the Common Domain) to conform to the Data Item conventions and the Character Sets defined in DDNEA.</p>
Actor	
Input Data	
Output Data	Result Identify if the Common Domain message is syntactically valid
Previous Objects	Common Domain message received
Information Exchange	movement verification answer

	e-AD/e-SAD event report administrative cooperation results history of a movement cancellation of an e-AD reminder message for movement verification request answer message movement download answer reminder message for Excise movement Status Request common request reminder message for administrative cooperation Status Response list of e-AD as result of a general query notification of diverted e-AD movement verification request history results interruption of movement change of destination control report Report of Receipt/Export Data Packaging administrative cooperation common request refusal of common request movement verification results alert or rejection basis for recovery of duties movement download request explanation on reason for shortage
Requirements	COR_FUR_0085
Data Set	
Events	
State	

Table 5.239: Task Perform Syntactic validation of Common Domain message

### Task Perform Coordination Protocol validation of Common Domain message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform Coordination Protocol validation of Common Domain message
Task Type	Service task
Description	<p>A number of validations relating to the coordination protocol should be performed in order to facilitate the exception handling in the Common Domain.</p> <p>The errors resulting from the coordination protocol validations can be the following:</p>

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	<ul style="list-style-type: none"> <li>• 26 - Duplicate detected: The same interchange is received again. Duplication is detected by reception of an interchange reference that has already been received;</li> <li>• 93 - Invalid ARC: The structure of the ARC (Administrative Reference Code) does not conform to specifications given in FESS Appendix B (Note: It should be noted that this error does not concern the format of the ARC, since this is covered by the syntactic layer validations through specialised regular expression patterns in the XSD files. The error code 93 concern the validation of the second field (MS Identifier) of the ARC, in order to ensure that it is a valid code of the Member States codelist);</li> <li>• 90 - Unknown ARC: The ARC (Administrative Reference Code) of the received message is not known, whereas it is expected to be known;</li> <li>• 92 - Message out of sequence: The message cannot be processed, because the receiver is not in a proper state;</li> <li>• 94 - Invalid Follow Up Correlation ID / MV Correlation ID: The structure of the Follow Up Correlation ID or MV Correlation ID does not conform to specifications given in FESS Appendix B;</li> <li>• 95 - Unknown Follow Up Correlation ID / MV Correlation ID - The Follow Up Correlation ID or MV Correlation ID of the received message is not known, whereas it is expected to be known.</li> </ul>
Actor	
Input Data	
Output Data	Result Identify if the Common Domain message passed Coordination Protocol validation successfully
Previous Objects	Has the Common Domain message passed Syntactic validation successfully?
Information Exchange	movement verification results Data Packaging movement download answer movement download request history of a movement administrative cooperation results movement verification answer reminder message for movement verification request history results e-AD/e-SAD basis for recovery of duties common request interruption of movement

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	event report answer message control report change of destination explanation on reason for shortage Status Request refusal of common request reminder message for administrative cooperation administrative cooperation common request reminder message for Excise movement cancellation of an e-AD Status Response alert or rejection list of e-AD as result of a general query movement verification request notification of diverted e-AD Report of Receipt/Export
Requirements	COR_FUR_0086
Data Set	
Events	
State	

Table 5.240: Task Perform Coordination Protocol validation of Common Domain message

### Event Common Domain message found invalid due to Syntatic violation(s)

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Common Domain message found invalid due to Syntatic violation(s)
Event Type	End event
Description	he Common Domain message was found invalid due to Syntatic violation(s) and the process ends.
Previous Objects	Has the Common Domain message passed Syntactic validation successfully?

Table 5.241: Event Common Domain message found invalid due to Syntatic violation(s)

### Event Common Domain message found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Common Domain message found valid
Event Type	End event
Description	The Common Domain message was found valid and the process ends.
Previous Objects	Has the Common Domain message passed Coordination Protocol

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	validation successfully?
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Table 5.242: Event Common Domain message found valid

### Event Common Domain message found invalid due to Coordination Protocol violation(s)

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Common Domain message found invalid due to Coordination Protocol violation(s)
Event Type	End event
Description	The Common Domain message was found invalid due to Coordination Protocol violation(s) and the process ends.
Previous Objects	Has the Common Domain message passed Coordination Protocol validation successfully?

Table 5.243: Event Common Domain message found invalid due to Coordination Protocol violation(s)

## 5.15. Process L4-CORE-01-04-Perform validation of External Domain message

### 5.15.1. Objective of Process

The purpose of this sub process is to describe all possible steps during the validation of an External Domain message, in accordance with the current Common Specifications (DDNEA).

The current sub process is triggered when an External Domain message is received. After the External Domain message is received, a Syntactic validation of this message is performed:

- In case the message is found invalid due to Syntactic violation(s), the sub process ends here;
- In case the message is found valid, the sub process continues.

Then, Coordination Protocol validation of the message is performed:

- In case the message is found invalid due to Coordination Protocol violation(s), the sub process ends at this point;
- In case the message is found valid, the sub process continues.

Following, Business Compliance validation of the message is performed:

- In case the message is found invalid due to Business Compliance violation(s), the sub process ends;
- In case the message is found valid, the sub process also ends.

### 5.15.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-04
Full Name	Perform validations on External Domain messages
Assumptions	N/A
Constraints	No constraints.



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L3 Reference Models	L3-CORE-01-01-Submit and Register an e-AD/e-SAD L3-CORE-01-02-Perform Report of Receipt/Export L3-CORE-01-04-Perform Cancellation L3-CORE-01-05-Perform Splitting of Consignment L3-CORE-01-06-Perform Change of Destination L3-CORE-01-12-Manage Explanations on Reasons for Shortages or Excesses
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.244: Process Details

### 5.15.3. Tasks and Events

#### Event External Domain message received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	External Domain message received
Event Type	Start event
Description	The current process starts when an External Message is received.
Previous Objects	

Table 5.245: Event External Domain message received

#### Task Perform Syntactic validation of External Domain message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform Syntactic validation of External Domain message
Task Type	Service task
Description	<p>The following validations are defined as the Syntactic layer validations and when any of the aforementioned validations fails for a given External Domain XML message, then that message is defined as syntactically invalid:</p> <ul style="list-style-type: none"> <li>• After the reception of an External Domain XML message and before the message is further processed, the application validates the size of the received message (defined in DDNEA and TESS), in order to avoid unresponsiveness or abrupt failure of the receiving application;</li> <li>• In the case that the External Domain message is within the acceptable size limit, the application validates that its content conforms to the XML standard (defined in DDNEA) and that it is UTF-8 encoded;</li> </ul>

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	<ul style="list-style-type: none"> <li>Then, the application validates the structure of the received External Domain XML message against the corresponding XSD defined in Appendix H of DDNEA.</li> </ul>
Actor	
Input Data	
Output Data	
Previous Objects	External Domain message received
Information Exchange	
Requirements	
Data Set	
Events	
State	

Table 5.246: Task Perform Syntactic validation of External Domain message

#### Event External Domain message found invalid due to Syntactic violation(s)

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	External Domain message found invalid due to Syntactic violation(s)
Event Type	End event
Description	The External Domain message was found invalid due to Syntactic violation(s) and the process ends.
Previous Objects	Has the External Domain message passed Syntactic validation successfully?

Table 5.247: Event External Domain message found invalid due to Syntactic violation(s)

#### Task Perform Coordination Protocol validation of External Domain message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform Coordination Protocol validation of External Domain message
Task Type	Service task
Description	<p>A number of validations relating to the coordination protocol should be performed in the External Domain, in order to facilitate the exception handling in the Common Domain.</p> <p>The errors resulting from the coordination protocol validations performed in the External Domain can be the following:</p> <ul style="list-style-type: none"> <li>91 - Duplicate LRN: The LRN of the received message is already known and is therefore not unique according to the specified rules;</li> </ul>

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	<ul style="list-style-type: none"> <li>• 26 - Duplicate detected: The same interchange is received again. Duplication is detected by reception of an interchange reference that has already been received.</li> </ul>
Actor	
Input Data	
Output Data	Result Identify if the External Domain message passed Coordination Protocol validation successfully
Previous Objects	Has the External Domain message passed Syntactic validation successfully?
Information Exchange	explanation on reason for shortage Draft Change of Destination submitted draft of splitting operation Draft Report of Receipt Draft Explanation on Delay for Delivery Draft Explanation on Delay for Delivery alert or rejection cancellation of an e-AD submitted draft of e-AD/e-SAD
Requirements	COR_FUR_0107
Data Set	
Events	
State	

Table 5.248: Task Perform Coordination Protocol validation of External Domain message

### Task Perform Business Compliance validation of External Domain message

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform Business Compliance validation of External Domain message
Task Type	Service task
Description	<p>A number of validations relating to the business compliance should be performed in the External Domain, in order to facilitate the exception handling in the Common Domain.</p> <p>The errors resulting from the business compliance validations in the External Domain can be the following:</p> <ul style="list-style-type: none"> <li>• 0 – Other: This value should be used only when the error does not correspond to any of the following values. It must be stressed that the value of zero should only be used for intra-release migration issues;</li> </ul>

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	<ul style="list-style-type: none"> <li>• 12 - Incorrect (code) value: Value of an element in a message is outside the applicable business codelist;</li> <li>• 15 - Not supported in this position: The element or value is not allowed according to the applicable Rule(s) or Condition(s).</li> </ul>
Actor	
Input Data	Result Identify if the External Domain message is syntactically valid Result Identify if the External Domain message passed Coordination Protocol validation successfully
Output Data	Result Identify if the External Domain message passed Business Compliance validation successfully
Previous Objects	Has the External Domain message passed Coordination Protocol validation successfully?
Information Exchange	Draft Report of Receipt submitted draft of splitting operation cancellation of an e-AD Draft Explanation on Delay for Delivery Draft Change of Destination alert or rejection explanation on reason for shortage Draft Explanation on Delay for Delivery submitted draft of e-AD/e-SAD
Requirements	COR_FUR_0108
Data Set	
Events	
State	

Table 5.249: Task Perform Business Compliance validation of External Domain message

### Event External Domain message found invalid due to Coordination Protocol violation(s)

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	External Domain message found invalid due to Coordination Protocol violation(s)
Event Type	End event
Description	The External Domain message was found invalid due to Coordination Protocol violation(s) and the process ends.
Previous Objects	Has the External Domain message passed Coordination Protocol validation successfully?

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Table 5.250: Event External Domain message found invalid due to Coordination Protocol violation(s)

### Event External Domain message found invalid due to Business Compliance violation(s)

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	External Domain message found invalid due to Business Compliance violation(s)
Event Type	End event
Description	The External Domain message was found invalid due to Business Compliance violation(s) and the process ends.
Previous Objects	Has the External Domain message passed Business Compliance validation successfully?

Table 5.251: Event External Domain message found invalid due to Business Compliance violation(s)

### Event External Domain message found valid

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	External Domain message found valid
Event Type	End event
Description	The External Domain message was found valid and the process ends.
Previous Objects	Has the External Domain message passed Business Compliance validation successfully?

Table 5.252: Event External Domain message found valid

## 5.16. Process L4-CORE-01-17-Handle Timers associated with a Change of Destination

### 5.16.1. Objective of Process

The purpose of this process is to describe all possible paths for handling the timers associated with the change of destination of a movement of Excise Goods.

The current process is triggered when a change of destination is received at the MSA of Dispatch (i.e. a change of destination is received at the MSA of Dispatch from the consignor) and the timers associated with the updated movement need to be handled.

For this purpose, the EMCS at MSA of Dispatch identifies if any timers associated with the updated e-AD/e-SAD are still running or have already expired.

Actually, the MSA of Dispatch identifies if the update included change of the journey time.

If yes, then the MSA Dispatch application:

- if the expected end of the movement is still in the future, i.e. the timer (TIM\_EAD\_ESAD) initially set to expire at limit date for submission of the report of receipt has not expired yet, updates that timer (TIM\_EAD\_ESAD) to expire by the new expected end date

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·if the expected end of the movement is in the past, i.e. the timer (TIM\_EAD\_ESAD) initially set to expire at limit date for submission of the report of receipt has already expired but the new date of delivery is later than the present date, first resets the flag that has been raised locally at expiration time and then restarts the timer (TIM\_EAD\_ESAD) to expire at the new expected end date.

Moreover, the MSA dispatch application identifies if the timer (TIM\_CHS) for change of destination and the timer (TIM\_FDF) for filling in destination fields (i.e. applicable only for Duty Suspension movements) have already expired at the limit date.

·if the timer (TIM\_CHS) for change of destination has already expired at the limit date, resets the flag that has been raised locally at expiration time

·if the timer (TIM\_CHS) for change of destination is still running, stops it

·if the timer (TIM\_FDF) for filling in destination fields has already expired at the limit date, resets the flag that has been raised locally at expiration time

·if there is a timer (TIM\_FDF) for filling in destination fields still running, stops it and the whole process ends here.

### 5.16.2. Process Details

PROCESS ATTRIBUTE NAME	PROCESS ATTRIBUTE VALUE
Process ID	L4-CORE-01-27
Full Name	Handle Timers associated with a Change of Destination
Assumptions	N/A
Constraints	No constraints.
L3 Reference Models	N/A
Existing Specifications	Functional Excise System Specification - v3.90 Design Document for National Excise Applications - v2.00

Table 5.253: Process Details

### 5.16.3. Tasks and Events

#### Task Identify whether the journey time is updated

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the journey time is updated
Task Type	Service task
Description	The MSA of Dispatch identifies whether the journey time has been updated.
Actor	
Input Data	Journey Time ARC Sequence Number
Output Data	Result Identify whether the journey time is updated

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Previous Objects	Change of Destination received and timers need to be updated accordingly
Information Exchange	
Requirements	COR_FUR_0056
Data Set	
Events	
State	

Table 5.254: Task Identify whether the journey time is updated

### Event Change of Destination received and timers need to be updated accordingly

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Change of Destination received and timers need to be updated accordingly
Event Type	Start event
Description	The current process is triggered when a Change of Destination message (IE813) is received by the MSA of Dispatch and the relevant timers need to be handled.
Previous Objects	

Table 5.255: Event Change of Destination received and timers need to be updated accordingly

### Task Identify whether the timer TIM\_EAD\_ESAD is still running

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the timer TIM_EAD_ESAD is still running
Task Type	Service task
Description	The MSA of Dispatch identifies whether the timer TIM_EAD_ESAD is still running.
Actor	
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	Global Conclusion of Receipt Timer TIM_EAD_ESAD Expiry Date Sequence Number ARC
Output Data	Result Identify whether the TIM_EAD_ESAD is still running
Previous Objects	Does the Change of Destination include journey time updates?
Information Exchange	
Requirements	COR_FUR_0020

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Data Set	
Events	
State	

Table 5.256: Task Identify whether the timer TIM\_EAD\_ESAD is still running

### Task Reset the flag of timer TIM\_EAD\_ESAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Reset the flag of timer TIM_EAD_ESAD
Task Type	Service task
Description	If the timer TIM_EAD_ESAD has already expired, the MSA of Dispatch resets the flag that has been raised locally (at expiration time).
Actor	
Appears also in the following processes	L4-CORE-01-02-Perform Report of Receipt/Export
Input Data	Result Identify whether the TIM_EAD_ESAD is still running Sequence Number ARC
Output Data	TIM_EAD_ESAD Reset Flag Date
Previous Objects	Is timer TIM_EAD_ESAD still running?
Information Exchange	
Requirements	COR_FUR_0022
Data Set	
Events	
State	

Table 5.257: Task Reset the flag of timer TIM\_EAD\_ESAD

### Task Perform update of the timer TIM\_EAD\_ESAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform update of the timer TIM_EAD_ESAD
Task Type	Service task
Description	MSA of Dispatch updates the timer TIM_EAD_ESAD to expire by the new expected end date.
Actor	
Input Data	ARC Result Identify whether the TIM_EAD_ESAD is still running



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	Sequence Number
Output Data	Timer TIM_EAD_ESAD Expiry Date
Previous Objects	Is timer TIM_EAD_ESAD still running?
Information Exchange	
Requirements	COR_FUR_0057
Data Set	
Events	
State	

Table 5.258: Task Perform update of the timer TIM\_EAD\_ESAD

### Task Perform restart of the timer TIM\_EAD\_ESAD

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Perform restart of the timer TIM_EAD_ESAD
Task Type	Service task
Description	MSA of Dispatch restarts the timer TIM_EAD to expire at the new expected end date.
Actor	
Input Data	Sequence Number ARC Result Identify whether the TIM_EAD_ESAD is still running
Output Data	Timer TIM_EAD_ESAD Expiry Date
Previous Objects	Reset the flag of timer TIM_EAD_ESAD
Information Exchange	
Requirements	COR_FUR_0058
Data Set	
Events	
State	

Table 5.259: Task Perform restart of the timer TIM\_EAD\_ESAD

### Task Identify whether the timer TIM\_CHS is still running

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the timer TIM_CHS is still running

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Task Type	Service task
Description	The MSA of Dispatch identifies whether the timer TIM_CHS is still running.
Actor	
Input Data	TIM_CHS Expiry Date Sequence Number ARC
Output Data	Result Identify whether the timer TIM_CHS is still running
Previous Objects	Perform restart of the timer TIM_EAD_ESAD Perform update of the timer TIM_EAD_ESAD Does the Change of Destination include journey time updates?
Information Exchange	
Requirements	COR_FUR_0059
Data Set	
Events	
State	

Table 5.260: Task Identify whether the timer TIM\_CHS is still running

### Task Reset the flag of timer TIM\_CHS

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Reset the flag of timer TIM_CHS
Task Type	Service task
Description	If the timer TIM_CHS has already expired, the MSA of Dispatch resets the flag that has been raised locally (at expiration time).
Actor	
Input Data	Result Identify whether the timer TIM_CHS is still running ARC Sequence Number
Output Data	TIM_CHS Reset Flag Date
Previous Objects	Is timer TIM_CHS still running?
Information Exchange	
Requirements	COR_FUR_0060
Data Set	
Events	

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State	
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Table 5.261: Task Reset the flag of timer TIM\_CHS

### Task Stop timer TIM\_CHS

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Stop timer TIM_CHS
Task Type	Service task
Description	If the timer TIM_CHS is still running, the MSA of Dispatch stops this timer.
Actor	
Input Data	Sequence Number ARC Result Identify whether the timer TIM_CHS is still running
Output Data	TIM_CHS End Date
Previous Objects	Is timer TIM_CHS still running?
Information Exchange	
Requirements	COR_FUR_0061
Data Set	
Events	
State	

Table 5.262: Task Stop timer TIM\_CHS

### Task Identify whether the timer TIM\_FDF is still running

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Identify whether the timer TIM_FDF is still running
Task Type	Service task
Description	The MSA of Dispatch identifies whether the timer TIM_FDF is still running.
Actor	
Input Data	Sequence Number ARC TIM_FDF Expiry Date
Output Data	Result Identify whether the TIM_FDF is still running
Previous Objects	Is it a Duty Suspension movement?

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Information Exchange	
Requirements	COR_FUR_0034
Data Set	
Events	
State	

Table 5.263: Task Identify whether the timer TIM\_FDF is still running

### Task Reset of the flag of timer TIM\_FDF

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Reset of the flag of timer TIM_FDF
Task Type	Task
Description	If the timer TIM_FDF has already expired, the MSA of Dispatch resets the flag that has been raised locally (at expiration time).
Actor	
Input Data	Sequence Number Result Identify whether the TIM_FDF is still running ARC
Output Data	TIM_FDF Reset Flag Date
Previous Objects	Is timer TIM_FDF still running?
Information Exchange	
Requirements	COR_FUR_0123
Data Set	
Events	
State	

Table 5.264: Task Reset of the flag of timer TIM\_FDF

### Task Stop timer TIM\_FDF

TASK ATTRIBUTE NAME	TASK ATTRIBUTE VALUE
Task Name	Stop timer TIM_FDF
Task Type	Service task
Description	If the timer TIM_FDF is still running, the MSA of Dispatch stops this timer.
Actor	
Input Data	ARC Result Identify whether the TIM_FDF is still running

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	Sequence Number
Output Data	TIM_FDF End Date
Previous Objects	Is timer TIM_FDF still running?
Information Exchange	
Requirements	COR_FUR_0036
Data Set	
Events	
State	

Table 5.265: Task Stop timer TIM\_FDF

### Event Timers updated upon Change of Destination message received

EVENT ATTRIBUTE NAME	EVENT ATTRIBUTE VALUE
Event Name	Timers updated upon Change of Destination message received
Event Type	End event
Description	The timers updated upon Change of Destination message (IE813) received.
Previous Objects	Is it a Duty Suspension movement? Stop timer TIM_FDF Reset of the flag of timer TIM_FDF

Table 5.266: Event Timers updated upon Change of Destination message received