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ICS2 Release 2 End-To-End Test Scenarios Document for Economic Operators

ICS2-E2E-TSD-R2-EO

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1 INTRODUCTION

1.1 Purpose

This document describes all the test scenarios and test data that must be executed in the scope of validating the integration of an economic operator (EO) system, national entry system (NES) with the ICS2 central components during E2E campaign.

It shall be noted that the purpose of E2E campaign is to verify the connectivity and functionality of the system by Member States (MS) and economic operators. E2E campaign also aims at obtaining technical assurance that a National Entry System and Economic Operator System is ready to enter the Trans-European system with minimum risk of disturbing the parties already in operation of the system.

1.2 Scope

This document contains the test scenarios and test data required to comprehensively test the integration of an EO system and NES system with the ICS2 central component during the E2E campaign.

1.3 Target Audience

This document is addressed to all parties involved in the testing of the ICS2 system components:

- DG TAXUD and its contractors;
- All staff of National Administrations that participate in the ICS2 E2E campaign;
- Economic operators using ICS2.

1.4 Structure of this document

The present document contains the following chapters:

- [Chapter 1](#) – Introduction: describes the scope and the objectives of the document;
- [Chapter 2](#) – Approach Refinements: overview of test organisation, test techniques and explanation of messages exchange;
- [Chapter 3](#) – Functional Testing: provides the test scenarios to be executed during E2E campaign;
- [Chapter 4](#) –
- ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing

ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing Error! Reference source not found.	
ID	ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing Error! Reference source not found.
Purpose	Verify that EO can amend and invalidate ENS filing.
Pre-Conditions	<ul style="list-style-type: none">• RMS and EO(s) should agree on which ENS filings will be used to execute this test scenario. Where needed, it is possible to execute the test scenario with different ENS filing types several times;• At least one HC in the ENS filing(s);• All the Member State's country codes used in the ENS are the same as the

RMS's one (e.g. in country of routing list, place of unloading etc.).				
Basic Flow of Events				
No	Actor	Actions	Message particulars	Business descriptions
1	EO	Lodges ENS filing(s)	IE3Fxx	In this scenario it is enough to lodge one ENS filing, which will be amended and later on invalidated. MS and EO can choose to execute more complex scenario with several ENS filings and invalidation after ENS filings are linked but in this case MS should provide EOs with instructions and it won't be covered under this scenario.
2	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 message it should repeat Step 1 until ENS filing is accepted by ICS2 central components.
4	EO	Lodge amended ENS filing	IE3Axx	EO amends ENS filing e.g. goods item information and lodge it.
5	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 or IE3N01 message it should repeat Step 4 until amended ENS filing is accepted by ICS2 central components.
6	EO	Receive amendment notification	IE3N10	EO receives ENS amendment notification stating successful amendment of ENS filing.
8	EO	Lodge ENS invalidation request	IE3Q04	In case EO receives IE3N99 or IE3N01 message it should repeat Step 6 until invalidation request is accepted by ICS2 central components.
9	EO	Receive ENS invalidation acceptance response	IE3R07	EO receives ENS invalidation acceptance response
Pass Criteria		All participants have successfully executed the whole data flow.		

1.4.1 ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI

ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI	
ID	ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI Error! Reference source not found.
Purpose	Verify that RMS, IMS and EO can execute basic ICS2 business flow where in the context of a pre-loading and pre-arrival RA the IMS can issued referral request and control recommendations.
Pre-Conditions	<ul style="list-style-type: none"> At least two MSs participate to this test-scenario (RMS and IMS). RMS, IMS and EO should agree on which ENS filings will be used to execute this test scenario (possible ENS combinations please see in Annex B: ENS filing types and combinations). Where needed, it is possible to execute the test scenario with different ENS filing types several times; If E2E campaign is executed by using partial ENS filings RMS should involve as many EOs as needed to lodge those partial ENS filings (e.g. EO house level filer and EO master level filer) and at least one MS to take a role of IMS;

			<ul style="list-style-type: none"> • At least two HCs in the ENS filing contain house level information; • EO(s) should use the Member State's country codes of the RMS and IMS (e.g. in country of routing list, place of unloading, consignee etc.). 	
Basic Flow of Events				
No	Actor	Actions	Message particulars	Business descriptions
1	EO	Lodges ENS filing(s)	IE3Fxx	Depending on the chosen ENS filing types there could be a need to lodge more than one ENS filing. To trigger the pre-loading RA at least PLACI data should be lodged, while to trigger the pre-arrival RA all ENS filings should be lodged for that particular ENS. All filings should be lodged at any moment before Step 17.
2	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 or IE3N01 message it should repeat Step 1 until ENS filing is accepted by ICS2 central components.
11	EO	Receive RfS	IE3Q03	EO receives RfS via EO system and prepare requested information. If at the moment of the E2E campaign the STI STP is available to EOs in the conformance test environment, the latter should check whether the RfS is also available there. To get this notification, EOs should first activate it in the STI STP preferences.
12	EO	Send RfS response	IE3R03	EO sends RfS response via EO system.
16	EO	Receives AC	IE3N03	EO that has lodged PLACI information for pre-loading RA receives AC for each HC lodged in Step 1 of the test scenario.
25	EO	Receive RfI	IE3Q02	EO (carrier) receives RfI and prepare requested information. If at the moment of the E2E campaign the STI STP is available to EOs in the conformance test environment, the latter should check whether the RfI is also available there. To get this notification, EOs should first activate it in the STI STP preferences.
26	EO	Send RfI response	IE3R02	EO sends RfI response.
30	EO	Receives AC	IE3N03	EO (carrier) receives AC for full ENS.
Pass Criteria		All participants have successfully executed the whole data flow.		

- E2E Test Data: provides and explains the data to be used during E2E testing campaign;
- [Chapter 5](#) – E2E test data and ENS filing combinations.

1.5 Reference documents

Ref.	Title	Reference	Version	Date
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R01	ICS2 Harmonised Trader Interface Specifications	ICS2-HTI	2.02	25/05/2022
R02	ICS2 Release 2 End-to-End testing Organisation Document for Member States and Economic Operators	ICS2-R2-E2EOD	1.00	21/04/2022

Table 1: Reference documents

1.6 Abbreviations and Acronyms

For a better understanding of the present document, the following table provides a list of the principal abbreviations and acronyms used.

Abbreviation/Acronym	Definition
AC	Assessment complete
AEO	Authorised Economic Operator
AEOS	Authorised Economic Operator - Security and Safety
CFE	Customs Office of the First Entry
CR	Common Repository
CRC	Common Risk Criteria
CTS	Conformance Test Scenario
DNL	Do Not Load
E2E	End-to-End
ENS	Entry Summary Declaration
EO	Economic Operator
HC	House Consignment
HRCM	High Risk Cargo and Mail Screening
IMS	Involved Member State
MS	Member State
NES	National Entry System
RA	Risk Analysis
Rfi	Request for information
RfS	Request for HRCM screening
RMS	Responsible Member State
STI	Shared trader interface
STP	Shared trader portal

Table 2: Abbreviations and acronyms

1.7 Definitions

Term	Definition
ICS2 central component	ICS2 Common repository and Shared trader interface (including Shared trader portal)
Member State	All European Union Member states and other countries and territories applying European Union customs legislation.
Responsible Member State	Responsible Member State (RMS) within the scope of this document will be the country who coordinate E2E campaign with Economic operators and Involved member States (if applicable). For better reading of the document only RMS will be used in test scenarios but it will have also the roles of Customs office of the first entry, MS of presentation and MS of control.
Test Scenario	<p>A test scenario is a set of guidelines enabling to assess the testing coverage of a feature against its specifications. It is characterised by:</p> <ul style="list-style-type: none">• An identifier that uniquely identifies the test scenario;• A description of the covered feature. <p>A set of guidelines (e.g. a high-level action performed on an abstract set of data) that can be ordered if the tested feature requires it.</p>

Table 3: Definitions

2 APPROACH REFINEMENTS

2.1 Overview

This section refines the overall test strategy for the definition and execution of the E2E test scenarios. The general approach for the E2E campaign relies on the execution of the test scenarios per ENS filing combination (please see Annex B: ENS filing types and combinations). Consequently, during E2E there could be a need to lodge one or several ENS filings by one or several EOs depending on their business profile.

To limit the redundancy, the Test Scenarios are designed to cover the main business processes supported by ICS2. Nevertheless, MSs in cooperation with EOs can agree on the execution of additional test scenarios not mentioned in this document in order to test their systems and/or business processes in more detail.

Test scenarios are executed as per the exact sequences depicted in each step, which will result in the exchange of ICS2 messages to fully cover the ICS2 central component, NES and EO system functionalities.

All the test scenarios provided are positive to ensure that the basic flows of the messages exchanged are fully functional.

EO and MS will use their actual systems (NES and EO system) for conformance testing. The environment to be used for the execution of the E2E campaign for the ICS2 system, is conformance environment. More details are provided in the ICS2 Release 2 End-to-End testing Organisation Document for Member States and Economic Operators [R02].

Regarding the code lists that need to be loaded in the system under testing, they are provided in the ICS2 Harmonised Trader Interface Specifications (HTI) [R01] and CIRCABC.

For each test scenario the following information is provided:

- **Test Scenario ID:** The unique identifier assigned to the test scenario;
- **Purpose:** The functionality that needs to be verified during the E2E test campaign;
- **Pre-conditions:** Any pre-conditions that need to be fulfilled prior to the execution of each test scenario;
- **Actor:** Actor executing a certain step of the test scenario e.g. RMS, IMS, EO etc;
- **Action(s):** Specifies the action or actions that needs to be executed. In this document only actions to be taken by EOs are included;
- **Message particulars:** Message types that are sent/received and the data-sets to be used to build such messages;
- **Business description:** Clear and detailed description of the action or actions that need to be taken for each step of the test scenario;
- **Pass Criteria:** Specifies the conditions under which the test case is considered as passed. RMS should confirm successful completion of test scenario.

2.2 Test Techniques

Overall, for every test scenario several steps need to be executed by one Member State with the role of RMS, possibly one or more Member States acting IMS, and one or several Economic Operators depending whether full or multiple filings are lodged. Also, messages produced by CR are generated automatically and there is no manual or other intervention.

All test scenarios are initialised by the EO(s) with the focus on the exchange of messages between the ICS2 central component and the NES system. For the initialisation of the test scenarios, EO(s) should build messages based on the data-sets created by DG TAXUD for the execution of the exercise in accordance with the pre-conditions indicated in every test scenario.

Depending on the data-set received from the EO(s), RMS (or IMS) performs the appropriate RA and exchanges messages according to the scenario.

Chapter 4 explains in more detail how test data shall be managed by EO(s) and MS both during and in preparation of the E2E campaign. To support this process in chapter 5 you will find what kind of data should be used in preparation of test messages.

3 FUNCTIONAL TESTING

The functional testing covers all the functional aspects of the integration of an EO system and a NES with the ICS2 central component. The main objective of this functional testing is to test the exchange of messages between EO system, NES and ICS2 central components.

3.1 Test scenario/Role matrix

Test Scenario ID	Test scenario name	EO	RMS	IMS
ICS2-CTS-E2E-01 Risk identified by RMS in pre-loading RA, RfS	ICS2-CTS-E2E-01 Risk identified by RMS in pre-loading RA, RfS	M	M	-
ICS2-CTS-E2E-02 Risk identified by RMS in pre-arrival RA, RfI	ICS2-CTS-E2E-02 Risk identified by RMS in pre-arrival RA, RfI	M	M	-
ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing	ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing	M	M	-
ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI	ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI	O	O	O

Table 4: Test scenario/Role matrix

Explication to Table 4:

- M: Mandatory;
- O: Optional;

3.2 Main CT Scenarios

3.2.1 ICS2-CTS-E2E-01 Risk identified by RMS in pre-loading RA, RfS

ICS2-CTS-E2E-01 Risk identified by RMS in pre-loading RA, RfS				
ID	ICS2-CTS-E2E-01 Risk identified by RMS in pre-loading RA, RfS			
Purpose	Verify that MS and EO can execute basic ICS2 business flow where in the context of a pre-loading RA (RA hit raised) the RMS has issued referral request and DNL.			
Pre-Conditions	<ul style="list-style-type: none"> RMS and EO(s) should agree which ENS filing(s) will be used to execute this test scenario (possible ENS filing combinations are described in Annex B: ENS filing types and combinations). Where needed, it is possible to execute the test scenario with different ENS filing types several times; If E2E campaign is executed by using partial ENS filings, the RMS should involve as many EOs as needed to lodge those partial ENS filings (e.g. EO house level filer and EO master level filer); At least two HCs in the ENS filing contain house level information; All the Member State's country codes used in the ENS filings are the same as the RMS's one (e.g. in country of routing list, place of unloading etc.). 			
Basic Flow of Events				
No	Actor	Actions	Message particulars	Business descriptions
1	EO	Lodges ENS filing(s)	IE3Fxx	Depending on chosen ENS filing types there could be a need to lodge more than one ENS filing. To trigger the pre-loading RA at least PLACI data should be lodged, while to trigger the pre-arrival RA all ENS filings should be lodged for that particular ENS. All filings should be lodged at any moment before Step 12.
2	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 or IE3N01 message it should repeat Step 1 until ENS filing is accepted by ICS2 central components.
6	EO	Receive RfS	IE3Q03	EO receives RfS via EO system and prepare requested information. If at the moment of the E2E campaign the STI STP is available to EOs in the conformance test environment, the latter should check whether the RfS is also available there. To get this notification, EOs should first activate it in the STI STP preferences.
7	EO	Send RfS response	IE3R03	EO sends RfS response via EO system.
10	EO	Receives DNL	IE3Q01	EO who has lodged PLACI/house level information receives DNL in EO system for one HC lodged in Step 1 of the test scenario. If at the moment of the E2E campaign the STI STP is available to EOs in the conformance test environment, the latter

				should check whether the DNL is also available there. To get this notification, EOs should first activate it in the STI STP preferences.
11	EO	Receives AC	IE3N03	EO who has lodged PLACI/house level information receives AC for each HC lodged in Step 1 of the test scenario except the one for which DNL was issued in Step 10.
14	EO	Receives AC	IE3N03	EO receives AC for full ENS.
15	EO	Lodge arrival notification ¹	IE3N06	EO (carrier) lodges arrival notification after AC is received (Step 14).
17	EO	Receive arrival registration response	IE3R04	EO (carrier) who has lodged arrival notification gets arrival registration response.
19	EO	Send presentation information	-	Optional step – can be executed in presentation system of MS of presentation (CFE / RMS) or can be skipped.
22	EO	Lodge arrival notification (optional)	IE3N06	EO (carrier) lodges arrival notification – with the same content as in Step 15 but different LRN.
24	EO	Receive arrival registration response	IE3R04	EO (carrier) who has lodged arrival notification gets arrival registration response.
26	EO	Receive house consignment in incorrect state notification (optional)	IE3N07	EO (carrier) receives house consignment in incorrect state notification stating that house consignments are already is state “presented” or later.
Pass Criteria		All participants have successfully executed the whole data flow.		

3.2.2 ICS2-CTS-E2E-02 Risk identified by RMS in pre-arrival RA, RfI

ICS2-CTS-E2E-02 Risk identified by RMS in pre-arrival RA, RfI Error! Reference source not found.	
ID	ICS2-CTS-E2E-02 Risk identified by RMS in pre-arrival RA, RfI Error! Reference source not found.
Purpose	Verify that MS and EO can execute basic ICS2 business flow where in the context of a pre-arrival RA the RMS has issued referral request and control recommendations.
Pre-Conditions	<ul style="list-style-type: none"> RMS and EO(s) should agree on which ENS filings will be used to execute this test scenario (possible ENS combinations please see in Annex B: ENS filing types and combinations). Where needed, it is possible to execute the test scenario with different ENS filing types several times; If E2E campaign is executed by using partial ENS filings, the RMS should involve as many EOs as needed to lodge those partial ENS filings (e.g. EO house level filer and EO master level filer);

¹ If MS has developed its own national arrival system, EO is free to choose where to lodge arrival notifications.

				<ul style="list-style-type: none"> • At least two HCs in ENS filing containing house level information; • All the Member State's country codes used in ENS filings are the same as the RMS's one (e.g. in country of routing list, place of unloading etc.).
Basic Flow of Events				
No	Actor	Actions	Message particulars	Business descriptions
1	EO	Lodges ENS filing(s)	IE3Fxx	Depending on the chosen ENS filing types there could be a need to lodge more than one ENS filing. To trigger the pre-loading RA at least PLACI data should be lodged, while to trigger the pre-arrival RA all ENS filings should be lodged for that particular ENS. All filings should be lodged at any moment before Step 6.
2	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 or IE3N01 message it should repeat Step 1 until ENS filing is accepted by ICS2 central components.
5	EO	Receives AC	IE3N03	EO that has lodged PLACI information for pre-loading RA receives AC for each HC lodged in Step 1 of the test scenario.
9	EO	Receive RfI	IE3Q02	EO (carrier) receives RfI and prepare requested information. If at the moment of the E2E campaign the STI STP is available to EOs in the conformance test environment, the latter should check whether the RfI is also available there. To get this notification, EOs should first activate it in the STI STP preferences.
10	EO	Send RfI response	IE3R02	EO sends RfI response.
13	EO	Receives AC	IE3N03	EO (carrier) receives AC for full ENS. If EO is not AEOS holder please proceed with Step 17.
16	EO	Receive advance control notification (optional)	IE3N09	In case EO participating in E2E campaign has obtained AEOS status and MS of control (RMS) has issued advance control notification, it should receive it in the EO system. If this not the case the step should be skipped.
17	EO	Lodge arrival notification ²	IE3N06	EO (carrier) lodges arrival notification after: <ul style="list-style-type: none"> • AC is received (Step 13) or; • advance control notification is received (Step 16) if EO is AEOS holder.
19	EO	Receive arrival registration response	IE3R04	EO (carrier) who has lodged arrival notification gets arrival registration response.
22	EO	Receive control notification	IE3N08	EO (carrier) receive control notification.
23	EO	Send presentation information	-	Optional step – can be executed in presentation system of MS of presentation

² If MS has developed its own national arrival system, EO is free to choose where to lodge arrival notifications.

				(CFE / RMS) or can be skipped.
Pass Criteria	All participants have successfully executed the whole data flow.			

3.2.3 ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing

ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing Error! Reference source not found.				
ID	ICS2-CTS-E2E-03 Amendment and invalidation of ENS filing Error! Reference source not found.			
Purpose	Verify that EO can amend and invalidate ENS filing.			
Pre-Conditions	<ul style="list-style-type: none"> RMS and EO(s) should agree on which ENS filings will be used to execute this test scenario. Where needed, it is possible to execute the test scenario with different ENS filing types several times; At least one HC in the ENS filing(s); All the Member State's country codes used in the ENS are the same as the RMS's one (e.g. in country of routing list, place of unloading etc.). 			
Basic Flow of Events				
No	Actor	Actions	Message particulars	Business descriptions
1	EO	Lodges ENS filing(s)	IE3Fxx	In this scenario it is enough to lodge one ENS filing, which will be amended and later on invalidated. MS and EO can choose to execute more complex scenario with several ENS filings and invalidation after ENS filings are linked but in this case MS should provide EOs with instructions and it won't be covered under this scenario.
2	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 message it should repeat Step 1 until ENS filing is accepted by ICS2 central components.
4	EO	Lodge amended ENS filing	IE3Axx	EO amends ENS filing e.g. goods item information and lodge it.
5	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 or IE3N01 message it should repeat Step 4 until amended ENS filing is accepted by ICS2 central components.
6	EO	Receive amendment notification	IE3N10	EO receives ENS amendment notification stating successful amendment of ENS filing.
8	EO	Lodge ENS invalidation request	IE3Q04	In case EO receives IE3N99 or IE3N01 message it should repeat Step 6 until invalidation request is accepted by ICS2 central components.
9	EO	Receive ENS invalidation acceptance response	IE3R07	EO receives ENS invalidation acceptance response
Pass Criteria	All participants have successfully executed the whole data flow.			

3.2.4 ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI

ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI				
ID	ICS2-CTS-E2E-04 Risk identified by IMS during RA, RfS and RfI Error! Reference source not found.			
Purpose	Verify that RMS, IMS and EO can execute basic ICS2 business flow where in the context of a pre-loading and pre-arrival RA the IMS can issued referral request and control recommendations.			
Pre-Conditions	<ul style="list-style-type: none"> At least two MSs participate to this test-scenario (RMS and IMS). RMS, IMS and EO should agree on which ENS filings will be used to execute this test scenario (possible ENS combinations please see in Annex B: ENS filing types and combinations). Where needed, it is possible to execute the test scenario with different ENS filing types several times; If E2E campaign is executed by using partial ENS filings RMS should involve as many EOs as needed to lodge those partial ENS filings (e.g. EO house level filer and EO master level filer) and at least one MS to take a role of IMS; At least two HCs in the ENS filing contain house level information; EO(s) should use the Member State's country codes of the RMS and IMS (e.g. in country of routing list, place of unloading, consignee etc.). 			
Basic Flow of Events				
No	Actor	Actions	Message particulars	Business descriptions
1	EO	Lodges ENS filing(s)	IE3Fxx	Depending on the chosen ENS filing types there could be a need to lodge more than one ENS filing. To trigger the pre-loading RA at least PLACI data should be lodged, while to trigger the pre-arrival RA all ENS filings should be lodged for that particular ENS. All filings should be lodged at any moment before Step 17.
2	EO	Receive ENS registration response	IE3R01	In case EO receives IE3N99 or IE3N01 message it should repeat Step 1 until ENS filing is accepted by ICS2 central components.
11	EO	Receive RfS	IE3Q03	EO receives RfS via EO system and prepare requested information. If at the moment of the E2E campaign the STI STP is available to EOs in the conformance test environment, the latter should check whether the RfS is also available there. To get this notification, EOs should first activate it in the STI STP preferences.
12	EO	Send RfS response	IE3R03	EO sends RfS response via EO system.
16	EO	Receives AC	IE3N03	EO that has lodged PLACI information for pre-loading RA receives AC for each HC lodged in Step 1 of the test scenario.
25	EO	Receive RfI	IE3Q02	EO (carrier) receives RfI and prepare requested information.

				If at the moment of the E2E campaign the STI STP is available to EOs in the conformance test environment, the latter should check whether the RfI is also available there. To get this notification, EOs should first activate it in the STI STP preferences.
26	EO	Send RfI response	IE3R02	EO sends RfI response.
30	EO	Receives AC	IE3N03	EO (carrier) receives AC for full ENS.
Pass Criteria		All participants have successfully executed the whole data flow.		

4 E2E TEST DATA

To support the E2E campaign DG TAXUD has created test data-sets with HC particulars to be used in creation of ENS filings.

Data-sets are to be found in Annex A and give clear instructions to the Risk Analysts on how risk profiles should be built, so that specific filings will trigger a hit and must be presented for manual assessment. HC particulars are going to be disseminated both to EO and MS prior to the start of the E2E test campaign through excel files, allowing MS to build appropriate risk profiles and EO to complement the necessary configurable data.

MS are required to build their risk profiles so that their NES respond triggering different CRC in a varied way and not always with the same particulars.

In no case EO shall be informed on how risk profiles have been developed (e.g. which “risky” particulars were used).

At the same time, test scenarios cover all steps that are supposed to succeed one another, such as referrals, amendments and other responses or reactions for which test data will not be created.

Initial data provided will be data fiction for testing purposes only. At the same time EO can create their own E2E test data to enrich the E2E test campaign.

RMS prior to start the E2E campaign will disseminate data to be used within the campaign to EOs and during E2E campaign provide EOs with instructions on how use these data to create ENS filings.

5 ANNEXES

5.1 Annex A: E2E campaign Test data



TestData.xlsx

5.2 Annex B: ENS filing types and combinations



ENS filing types.pdf

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