dentsu AEGIS network

Tracking

Supply Chain Efficiency & Integrity

Dentsu Aegis Network

EU Secondary Certification Process – Economic Operator – First Retail Outlet Operators

This document details the steps followed in the certification process of an Economic Operator for the EU Secondary repository and Router.

Summary of changes

Date	Version	Done by	Comment
08.04.2019	1.0	Dentsu Aegis Network	First release

Approval

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08.04.2019	1.0	Dentsu Aegis Network	

Distribution

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08.04.2019	1.0	Published

Table of Contents

1 Introduction

1.1 Purpose

This document describes the technical certification and test plan regarding the onboarding of Economic Operators systems.

1.2 Reference

ID	Version	Date	Title
1	1.2	29.03.2019	EU Secondary Data Dictionary
2	1.2	29.03.2019	EU Secondary List Of Specification

1.3 Technical Certification

The objective of the technical certification is to validate the connecting interfaces of the remote systems in order to ensure a high-quality integration and limit the risk of technical issues.
This technical certification is completed through the execution of a limited test plan performed on a controlled set of data. The definition of the test plan is a result of a carful risk-based analysis on the different technical scenarios.
This technical certification is performed using test data and test master data provided by Dentsu testing infrastructure.

1.4 Limitations

- This technical certification is NOT a full integration testing.
- This technical certification is NOT a full testing of the EU Secondary Repository and Router.
- This technical certification is NOT intended to load test the system.
- This technical certification is NOT intended to validate the integration between each ID Issuer, Primary repository and Economical Operator system. Additional test should be performed directly between the Economic Operator and the different ID Issuers and Primary providers in order to achieve this validation.
- This technical certification is NOT intended to validate the business processes nor to test the hardware nor software infrastructure of the Economic Operator.
- This technical certification is NOT intended to validate the quality of data of the Economic Operator.

2 On Boarding Environment

2.1 Overview

The certification or on-boarding environment is a full featured EU Secondary and Router systems. This environment is independent and isolated from any other environment.
The environment is composed by the following components

- On-boarding Secondary Repository
- On-boarding Router
- On-boarding DAN Test Primary repository
- On-boarding DAN ID issuer tool

This environment allows Economic Operators to perform the full certification test plan without need of any external systems such as ID Issuers or Primary Providers.
The definition of the master data is managed by Dentsu and communicated to the Economic Operators.

Details about url's are included in the On Boarding environment document.

2.2 Certification Tools

Main tools used in the process are as follows:

- DAN Credential Creation
  Access the Economic Operator credentials request form.
  The credentials (CLIENTID and CLIENTSECRET) will be provided with a test EO_ID, F_ID.

- DAN Primary repository
  Primary repository provided by Dentsu.

- DAN Test Tool
  Test Tool provided by Dentsu with two different tabs:

  - ID Issuer tab
    Used for generating UIs related to the DAN Primary.

  - Manufacturer tab
    Used for applying UIs previously generated.

2.3 Master Data for On Boarding Environment

- IIID of the DAN ID ISSUER
- DAN Factory : EOID_DAN, FID_DAN, MID_DAN
- DAN destination warehouse: EOID_DANW, FID_DANW

3 Certification Process

3.1 Overview

Main process will consist on the following steps:

1. Obtain credentials from DAN Credential Creation tool.
2. Request and apply UIs using the DAN Test Tool.
3. Generate messages to the system as per test plan, using the information previously obtained.
4. Dentsu automatic validation and notification within 24h of the tests.
5. A certificate will be delivered in case of positive results.

3.2 Pre requisites

3.2.1 Certification Credentials

For obtaining the credentials needed you should access the DAN Credential Creation tool, so you will obtain:

- CLIENT_ID
- CLIENT_SECRET

With this info you can connect to the system for sending the messages in the On Boarding Environment.

You will also obtain the Economic Operator ID and Facility ID:

- EOID_EO
- FID_EO

These IDs will be registered in the Secondary.

3.2.2 Request and apply UIs

Using the DAN Test Tool you will be able to request and apply the UIs needed for the tests.

You should start generating **10 upUIs** (UIs at unit package level) from the ID Issuer tab. In this case, there's no need of specifying EO, M and F as it will be always the same in On Boarding Environment.

Next step will be to apply these UIs, and this can be done from the Manufacturer tab. It will generate an **IRU** call for reporting the issuance of the codes, and a **EUA** call for applying these identifiers. This way, you will obtain UIs activated with timestamp ready to use.

3.3 Test Plan

An Economic Operator should perform the following calls to the Router using the data previously generated:

- ERP (3.4) - Arrival of tobacco products at a facility
- EDP (3.3) - Dispatch of tobacco products from a facility
- RCL (5.0) - Recall of the EDP message.

3.3.1 ERP (3.4) - Arrival of tobacco products at a facility

Description

- Record that the UIs listed in the call have been Received from the economic identifier.

Dependencies

- None.

Pre-requirements

- None.

Data

- Use this example data in case you don't have specific values for any field:

```
{
  "EO_ID": "EOID_EO ",
  "F_ID": "FID_EO ",
  "Event_Time": "2018082307",
  "Product_Return": 1,
  "UI_Type": "1",
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110", "
DANXXXXXXXXXXXX2PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110" ],
  "Arrival_comment": "Comments",
  "Message_Type": "ERP",
  "Code": null
}
```

- `EOID_EO`: The one obtained in step 3.2.1.
- `FID_EO`: The one obtained in step 3.2.1.

STEPS

#	Action	Expected value
1	Send a request to the router endpoint including in the body the structure specified in the data dictionary document for an EDP request. Specific values are described in Data section.	Status code from the response must be "202". Response message should include no errors (Error: false, Errors: null).

3.3.2 EDP (3.3) - Dispatch of tobacco products from a facility

Description

- Record that the UIs listed in the call have been dispatched from the economic identifier.

Dependencies

- None.

Pre-requirements

- None.

Data

- Use this example data in case you don't have specific values for any field:

```
{
  "EO_ID": "EOID_EO",
  "F_ID": "FID_EO",
  "Event_Time": "2018082307",
  "Destination_ID1": "2",
  "Destination_ID2": "FID_DANW",
  "Transport_vehicle": "1",
  "Transport_cont1": true,
  "Transport_cont2": "1",
  "Transport_s1": true,
  "Transport_s2": "1",
  "EMCS": false,
  "EMCS_ARC": null,
  "SAAD": true,
  "SAAD_number": 1,
  "Exp_Declaration": true,
  "Exp_DeclarationNumber": true,
  "UI_Type": 2,
  "upUIs": null,
  "aUIs": [ "DAN000001FA000000119071619" ],
  "Dispatch_comment": "Comments",
  "Message_Type": "EDP",
  "Code": null
}
```

- `EOID_EO`: The one obtained in step 3.2.1.
- `FID_EO`: The one obtained in step 3.2.1.
- `FID_DANW`: Provided in 2.3 (Master Data).
- `aUIs`: The one included in EPA message (**Error! Reference source not found.**).

STEPS

#	Action	Expected value
1	Send a request to the router endpoint including in the body the structure specified in the data dictionary document for an EDP request. Specific values are described in Data section.	Status code from the response must be "202". Response message should include no errors (Error: false, Errors: null).

3.3.3 RCL (5.0) - Recall of the EDP message.

Description

- Given a recall id (“Code” in the return of any message) the caller can mark that event invalid.

Dependencies

- This test case should be executed after EDP event (3.3.2).

Pre-requirements

- “Code” field from response has been saved in EIV event (3.3.2).

Data

- Use this example data in case you don't have specific values for any field:

```
{
"EO_ID":"EOID_EO",
"Recall_CODE":"6854f9a6-a2b2-4c08-8000-0173f3c35567",
"Recall_Reason1":1,
"Message_Type":"RCL",
"Code": null
}
```

  - `EOID_EO`: The one obtained in step 3.2.1.
  - `Recall_CODE`: Obtained in the response of EIV event (3.3.2).

STEPS

#	Action	Expected value
1	Send a request to the router endpoint including in the body the structure specified in the data dictionary document for an RCL request. Specific values are described in Data section.	Status code from the response must be "202". Response message should include no errors (Error: false, Errors: null).

3.4 Certificate Creation

Automatic check on Secondary will be performed by Dentsu.

The process will consist on searching corresponding events sent by the specific Economic Operator (CLIENT_ID). A correct response message for these events should be found in the Secondary.

If so, a Certificate will be generated and delivered to the Economic Operator.