|  |  |  |  |
| --- | --- | --- | --- |
|  | **European Commission**  **DIRECTORATE GENERAL**  <INFORMATICS> | **logo RUP@EC-Fixed-v1** |  |

**e-TrustEx – Submit Application Response Use Case Specification**

|  |
| --- |
| *---- Remove this text box after reading ---*  Help text for this Artifact Template Version 2012-01  ***Key to symbols used in this template:***  *[] indicates text to be replaced by the user of this template.*  *<> indicates text that is updated using Document Properties button.*  ***Click here to update the Document Properties >>***   * *This button is also available on the next page.*   ***Other information:***   * *Check that you are using the latest template* –[click](http://www.cc.cec/RUPatEC/) * *While working on the document, you may choose to leave some of the blue text guidance.* |

**Document Control Information** 

|  |  |
| --- | --- |
| **Settings** | **Value** |
| **Directorate:** | <INFORMATICS> |
| **Project Name:** | e-TrustEx |
| **Document Author:** |  |
| **System Owner:** |  |
| **Project Manager:** |  |
| **Revision Status:** | Draft |
| **Sensitivity:** | Limited DG |
| **Issue Date:** | <Issue Date> |

**Document Approver(s):**

(All Approvers are required. Records of each approver must be maintained.)

|  |  |
| --- | --- |
| **Approver Name** | **Role** |
| [Name] | [Role] |
|  |  |
|  |  |

**Document Reviewers:** (Records of each required reviewer must be maintained.)

|  |  |
| --- | --- |
| **Reviewer Name** | **Role** |
| [Name] | [Role] |
|  |  |
|  |  |

NOTE: All Reviewers in the list are considered required unless explicitly listed as Optional.

**Summary of Changes:**

The Document Author is authorized to make the following types of changes to the document without requiring that the document be re-approved:

* Editorial, formatting, and spelling
* Clarification

To request a change to this document, contact the Document Author or Owner.

Changes to this document are summarized in the following table in reverse chronological order (latest version first).

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Created by** | **Short Description of Changes** |
| [0.1] | [06/21/2013] |  | [Initial Version of approved document] |
| [0.2-0.3] | [09/25/2013] |  | [Internal review] |
|  |  |  |  |

**Configuration Management: Document Location**

The latest version of this controlled document is stored in [this location].

Contents

[1. Use Case description 4](#_Toc371412632)

[2. Flow of events 4](#_Toc371412633)

[2.1. Basic flow 4](#_Toc371412634)

[2.1.1. System performs specific checks 4](#_Toc371412635)

[2.1.2. System dispatches the message 4](#_Toc371412636)

[2.2. Exceptional flows 4](#_Toc371412637)

[E1 at Step 2.1.1”System performs specific checks” and the parent document is not in the correct state 4](#_Toc371412638)

[2.3. Subflow 4](#_Toc371412639)

[2.3.1. S1. Persist message upon failure 4](#_Toc371412640)

[3. Special Requirements 5](#_Toc371412641)

[4. Preconditions 5](#_Toc371412642)

[5. Post conditions 5](#_Toc371412643)

[6. Additional Information 5](#_Toc371412644)

# Use Case description

This Use Case describes the specific processing performed by e-TruxtEx on a business document of type ApplicationResponse and it extends the UC1\_1\_1. Asynchronous+Service+Use+Case+Specification.

# Flow of events

# Basic flow

# System performs specific checks

* This Use Case extends the “UC1\_1\_1. Asynchronous+Service+Use+Case+Specification” and it is called from “Step 2.8 System performs the business specific processing”:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Element path | Severity | Category | Subcategory |
| RULE305 | The Parent Document must be in a specific state |  | Hard | External check | Parent ID validation |

# System dispatches the message

* The system checks if the message needs to be forwarded based on the Receiver information;
* The system calls the appropriate adapter using the received ApplicationRespnse message and the Receiver information;
* The Use Case ends.

# Exceptional flows

### E1 at Step 2.1.1”System performs specific checks” and the parent document is not in the correct state

* The system performs subflow S1. Persist message upon failure
* The following parameters are added to the Application Response:
  + A Response Code is added "301:6"
  + A Description may be added
* The use case ends.

# Subflow

# S1. Persist message upon failure

* The system creates an Application Response
* The system persists the Application Response and records the following information in the message table etr\_tb\_message:
* The date and time when the message was created
* The reference to the message binary stored in the Binary table
* The ID of the document
* The status of the document is set to “RECEIVED”
* The ID of the agreement that corresponds to this document
* The ID of the Issuer of the document
* The ID of the transaction
* The Issue date and the Receipt date
* The ID of the Receiver
* The ID of the Sender
* The message document type
* An additional entry in the binary table etr\_tb\_message\_binary is created, storing the Application Response xml. This xml would include information regarding the document which failed during the validation process:
* If available, the ID of the document is added
* Its DocumentTypeCode "301" is added
* The Issue Date of the document is added
* The status of the document which failed during the validation process changes to “ERROR”

# Special Requirements

N/A.

# Preconditions

N/A.

# Post conditions

N/A.

# Additional Information

N/A.