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

**e-TrustEx – Submit Status Request 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:** |  |
| **Project Name:** | e-TrustEx |
| **Document Author:** | Alice Vasilescu |
| **System Owner:** | Tanya Chetcutti |
| **Project Manager:** | Tanya Chetcutti |
| **Revision Status:** |  |
| **Sensitivity:** |  |
| **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] | [21/06/2013] | [Alice Vasilescu] | [Initial Version of approved document] |
| [0.2-0.3] | [25/09/2013] | [Alice Vasilescu] | [Internal review] |
| [0.4] | [22/05/2015] | [Anamaria Batrinu] | [JIRA [**ETRUSTEX-857**](https://webgate.ec.europa.eu/CITnet/jira/browse/ETRUSTEX-857) + updated broken cross-references] |
| [0.5] | [31/08/2015] | [Anamaria Batrinu] | [Internal review (JIRA [**ETRUSTEX-1081**](https://webgate.ec.europa.eu/CITnet/jira/browse/ETRUSTEX-1081))] |

**Configuration Management: Document Location**

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

Contents

[1. Use Case description 4](#_Toc430252960)

[2. References 4](#_Toc430252961)

[3. Flow of events 4](#_Toc430252962)

[3.1. System performs the specific checks 4](#_Toc430252963)

[3.2. System queries the message repository 4](#_Toc430252964)

[3.3. System builds the Status Response 4](#_Toc430252965)

[3.4. System submits the Status Response 5](#_Toc430252966)

[4. Alternative Flows 5](#_Toc430252967)

[4.1. A1: At step 3.2 “System queries the message repository”, no document matches the query criteria 5](#_Toc430252968)

[5. Exceptional Flows 6](#_Toc430252969)

[5.1. E1: At any step, a technical error is reported 6](#_Toc430252970)

[5.2. E2: At step 3.2 “System queries the message repository” there is a technical error reported regarding the connection with the service’s caller 6](#_Toc430252971)

[6. Sub flows 6](#_Toc430252972)

[7. Special Requirements 6](#_Toc430252973)

[8. Preconditions 6](#_Toc430252974)

[9. Post conditions 6](#_Toc430252975)

[10. Additional Information 6](#_Toc430252976)

# Use Case description

This Use Case describes the specific processing performed by e-TrustEx on a business document of type StatusRequest. This Use Case extends UC1\_2\_1 Synchronous Service Use Case Specification.

# References

|  |  |
| --- | --- |
| Document | Location |
| UC1\_2\_1 Synchronous Service Use Case Specification | [https://webgate.ec.europa.eu/CITnet/svn/ETRUSTEX/trunk/001 e-TrustEx/002 Requirements/Use Case Model](https://webgate.ec.europa.eu/CITnet/svn/ETRUSTEX/trunk/001%20e-TrustEx/002%20Requirements/Use%20Case%20Model) |

# Flow of events

# System performs the specific checks

This Use Case extends the UC1\_2\_1 Synchronous Service Use Case Specification and it is called from Step 2.1.5. System performs the business specific processing.

# System queries the message repository

The essential parameters for the system to perform the Status Request of a business document are provided below. They are all found in the message.

|  |  |
| --- | --- |
| Element | Xpath |
| **Sender Party Endpoint ID** | *SenderParty.EndpointID* |
| **Receiver Party Endpoint ID** | *ReceiverParty.EndpointID* |
| **ID (of the document)** | *DocumentReferenceRequest.ID* |
| **Document Type Code** | *DocumentReferenceRequest.DocumentTypeCode* |

The system queries for one document:

* With specific Sender and Receiver Parties
* Of a specific Document Type Code (e.g. BDL - DocumentBundle) and
* With a specific Document ID

The system also queries for child documents (excluding the document wrappers) related to that document (e.g. a bundle document linked to its parent bundle document).

The documents must pertain to a transaction set granted to the Issuer by an eventual party agreement with the Sender.

# System builds the Status Response

Based on the result of the previously mentioned query, the system builds the Status Response. For the document matching the previously mentioned criteria, the following information is returned in the status response:

|  |  |
| --- | --- |
| **Element** | **Xpath** |
| **Response Code** (applicable for a response message only) | *DocumentReferenceResponseRelatedDocs.DocumentReferenceResponse.Response.ResponseCode* |
| **Document Status Code** | *DocumentReferenceResponseRelatedDocs.DocumentReferenceResponse.Status.StatusReasonCode* |
| **ID (of the document)** | *DocumentReferenceResponseRelatedDocs.DocumentReferenceResponse.DocumentReference.ID* |
| **Issue Date (of the document)** | *DocumentReferenceResponseRelatedDocs.DocumentReferenceResponse.DocumentReference.IssueDate* |
| **Document Type Code** | *DocumentReferenceResponseRelatedDocs.DocumentReferenceResponse.DocumentReference.DocumentTypeCode* |
| **Sender Party Endpoint ID** | *DocumentReferenceResponseRelatedDocs.DocumentReferenceResponse.SenderParty.EndpointID* |
| **Receiver Party Endpoint ID** | *DocumentReferenceResponseRelatedDocs.DocumentReferenceResponseReceiverParty.EndpointID* |

When information exists about its related documents, then this information is returned for correlation purposes:

|  |  |
| --- | --- |
| **Element** | **Xpath** |
| **Response Code** (applicable for a response message only) | *DocumentReferenceResponseRelatedDocs.RelatedDocument.Response.ResponseCode* |
| **Document Status Code** | *DocumentReferenceResponseRelatedDocs.RelatedDocument.Status.StatusReasonCode* |
| **ID** | *DocumentReferenceResponseRelatedDocs.RelatedDocument.DocumentReference.ID* |
| **Issue Date (of the document)** | *DocumentReferenceResponseRelatedDocs.RelatedDocument.DocumentReference.IssueDate* |
| **Document Type Code** | *DocumentReferenceResponseRelatedDocs.RelatedDocument.DocumentReference.DocumentTypeCode* |
| **Sender Party Endpoint ID** | *DocumentReferenceResponseRelatedDocs.RelatedDocument.SenderParty.EndpointID* |
| **Receiver Party Endpoint ID** | *DocumentReferenceResponseRelatedDocs.RelatedDocument.ReceiverParty.EndpointID* |

# System submits the Status Response

* System responds with the previously built Status Response to the Request.
* This closes the https connection between the Issuer and the System.
* **Use Case Ends**.

# Alternative Flows

# A1: At step 3.2 “System queries the message repository”, no document matches the query criteria

* The System returns the following information is in the status response:
* A note stating that "No matches were found"
* Use Case continues from step 3.4 System submits the Status Response

# Exceptional Flows

# E1: At any step, a technical error is reported

* The System submits a SOAP Fault [4]
* This closes the https connection between the Issuer and the System
* **Use Case Ends**.

# E2: At step 3.2 “System queries the message repository” there is a technical error reported regarding the connection with the service’s caller

* The system detects when the service’s caller closes its connection
* In this case the system cannot respond to the subsequent request
* **Use Case Ends.**

# Sub flows

N/A

# Special Requirements

N/A

# Preconditions

N/A

# Post conditions

N/A

# Additional Information

N/A