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**e-TrustEx – Submit Inbox Request Use Case Specification**

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| [0.1] | [21/06/2013] | [Alice Vasilescu] | [Initial Version of approved document] |
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# Use Case description

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

# References

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| --- | --- |
| 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) |
| UC1\_9\_1 Submit Retrieve Document Wrapper 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 System queries for the documents:

* received by the Sender Party
* not marked as "Retrieved"
* not older than one year
* pertaining to a transaction set granted to the Issuer by an eventual party agreement with the Sender. If the document's transaction is SubmitAttachedDocument or SubmitApplicationResponse, in extenso, if the transaction belongs to Toolbox (write) services and directly relates to a parent document, the transaction of the parent is retrieved. If the parent is an attached document, the transaction of its parent is retrieved. The objective is to identify the transaction of the main (initial) document (e.g Invoice, Bundle, Order, Request For Quotation) and not the transaction of a Toolbox service.

The Document Wrappers are excluded from the result. They can be retrieved using the service RetrieveDcoumentWrapper as described in UC1\_9\_1 Submit Retrieve Document Wrapper Use Case Specification.

# System builds the Inbox Response

* With the result of the previously mentioned query the System builds the Inbox Response. **The documents are ranked by received date descending**. The documents having the same received date are ordered at random.
* The following data is returned on the set of matching documents (i.e. 1 or more):

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

* When information exists about a document's parent, then the following information corresponding to each parent is also returned for correlation purposes:

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

# System submits the Inbox Response

* System responds with the previously built Inbox Response
* This closes the https connection between the Issuer and the System.
* **The Use Case Ends.**

# Alternative flows

# A1: At step 2.3 “System builds the Inbox Response” and no document matches the criteria

* System responds with an Inbox Response with empty content to the Request.
* This closes the https connection between the Issuer and the System.
* **The Use Case Ends**.

# Exceptional Flows

# E1: At step 2.2 “System queries the message repository”, a technical error is reported

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

# E2: At step 2.3 “System builds the Inbox Response” and 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
* **The Use Case Ends**.

# Subflow

N/A

# Special Requirements

N/A

# Preconditions

N/A

# Postconditions

* Following the basic flow, the System responds to the Inbox Request with an Inbox Response.
* Following the alternate flow A1, the System responds to the Inbox Request with an empty Inbox Request Response.

# Additional Information

N/A