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**e-TrustEx – Submit Retrieve Document Wrapper Use Case Specification**

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| **Revision** | **Date** | **Created by** | **Short Description of Changes** |
| [0.1] | [21/06/2013] | [Alice Vasilescu] | [Initial Version of approved document] |
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**Configuration Management: Document Location**

The latest version of this controlled document is stored in [[this location]](https://webgate.ec.europa.eu/CITnet/svn/ETRUSTEX/trunk/001%20e-TrustEx/002%20Requirements/Use%20Case%20Model/New%20Use%20Cases/UC1_007%20Dispatch%20Message.doc).

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# Use Case description

This Use Case describes the specific processing performed by e-TrustEx on a business document of type RetrieveDocumentWrapper. 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) |

# 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 necessary to perform the Retrieve Document Wrapper are provided below. All the parameters are found in the message.

|  |  |  |
| --- | --- | --- |
| Element | Xpath | Description |
| **Requester Party ID** | *Header.BusinessHeader.Sender.Identifier* | *The Requester Party: it can be the Sender or the Receiver of the message* |
| **Document ID** | *DocumentReferenceRequest.ID* | *The ID of the document to retrieve* |
| **Document Type Code** | *DocumentReferenceRequest.DocumentTypeCode* | *The type code of the document to retrieve* |
| **Sender Party ID** | *SenderParty.EndpointID* | *The Sender Party of the document to retrieve* |

1. System queries for Document Wrapper messages

* With a specific Document Type Code and Document ID

AND

* And that have been sent by a specific Sender Party

1. If the Requester Party is not the same with the Sender party of the message, the System queries for the wrapper's parent Document Bundles

* With a specific Sender Party

AND

* The Receiver Party corresponding to the Requester Party

# System builds the Document Wrapper Response

Based on the result of the previous step, the system builds the Document Wrapper Response. ONLY a single document matches the previously mentioned criteria.

**Note:** The response message contains a single (retrieved) Document Wrapper

1. System responds with a Document Wrapper Response having in its *Document* content the data of the requested document wrapper. The binary content is carried within a MIME multipart.
2. The secured connection between the Issuer and System is closed
3. **The Use Case Ends.**

# Alternative Flows

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

* When no document was found in the message repository matching the specified criteria, the System responds with a Retrieve Request Response with empty Document content
* The secure connection between the Issuer and the System is closed
* The Use Case Ends.

# A2: At step 3.2 “System queries the message repository” and more than one document wrapper matches the query criteria

* As there must be exactly one document matching the given criteria, when more than one document is found the System responds with a Retrieve Request Response with empty Document content
* The secure connection between the Issuer and the System is closed
* The Use Case Ends.

# A3: At step 3.2 “System queries the message repository”, the Sender is not the same with the Requester and no parent document bundle is found for the specified criteria

* As there is not Bundle document received by the Requester (the final recipient of the message in this particular case) and referring the document wrapper retrieved, it means the Requester is not authorized to retrieve the wrapper: The System submits a SOAP Fault [3]: "Client: Unauthorized Access"
* The secure connection between the Issuer and the System is closed
* The Use Case Ends.

# Exceptional Flows

# E1: At any step a technical failure is reported

* When technical error occurs, the System submits a SOAP Fault [4]
* The secure connection between the Issuer and the System is closed
* The Use Case Ends.

# E2: At step 3.3 “System builds the Document Wrapper Response” and technical failure is 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

1. Following the basic flow, the System responds to the Retrieve Document Wrapper Request with a Retrieve Request Response containing the retrieved document
2. Following A1 and A2, the System responds to the Retrieve Document Wrapper Request with a Retrieve Request Response containing an empty document.
3. Following A3, the System responds to the Retrieve Document Wrapper Request with a SOAP Fault [3].

# Additional Information

N/A