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**e-TrustEx – Submit Document Bundle Use Case Specification**

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| **Revision** | **Date** | **Created by** | **Short Description of Changes** |
| [0.1] | [06/21/2013] | [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 DocumentBundle. This Use Case extends the Submit Document Use Case.

# 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 |
| RULE387 | DocumentBundle.DocumentReference must be unique | N/A | Hard | Message body check | Payload type |
| RULE274 | DocumentBundle.Document Reference.ID  Must point to an existing Document Wrapper (according to the ID and the DocumentTypeCode).  This validation occurs for all the instances of DocumentReference within the Bundle message. | N/A | Hard | Message body check | Payload type |

* The Use Case ends.

# Alternative flow

# System checks if an “AVAILABLE” notification is needed

* The system checks if the ScopeAttribute in the header is field with “CREATE\_STATUS\_AVAILABLE” (Header-> BusinessHeader-> BusinessScope -> Scope->ScopeAttributes-> Type);
* As the value is correctly populated, the system generates an Application Response:
  + A Response Code is added "BDL:1"
  + A Description may be added
  + The Status of the message is set to “RECEIVED”
* The Use Case ends.

# The system receives an Application Response with BDL:7

* The system receives for the Bundle an Application Response with code BDL:7
* The Status of the message is set to “READ”
* The Use Case ends.

# The system receives an Application Response with BDL:4

* The system receives for the Bundle an Application Response with code BDL:4 as a business error occured
* The Status of the message is set to “FAILED”
* The Use Case ends.

# Exceptional flows

### E1 at Step 2.1.1"System performs specific checks" and RULE387 fails

* The system performs subflow **S1. Persist message upon failure**
* The following parameters are added to the Application Response:
* A Response Code is added "BDL:4"
* A Description may be added
* The Status of the message is “ERROR”
* The use case ends.

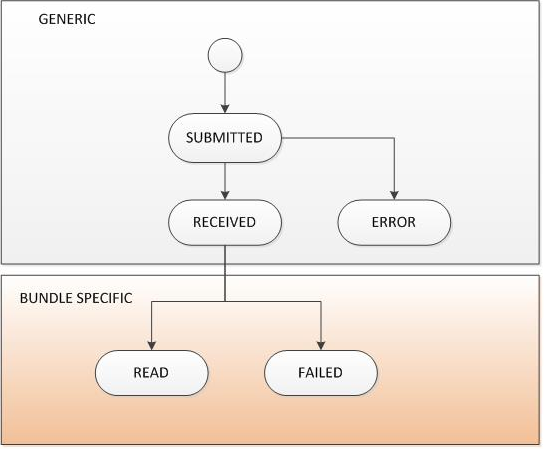
### E1 at Step 2.1.1"System performs specific checks" and RULE274 fails

* The system performs subflow **S1. Persist message upon failure**
* The following parameters are added to the Application Response:
* A Response Code is added "BDL:6"
* A Description may be added
* The Status of the message is “ERROR”
* The Use Case ends.

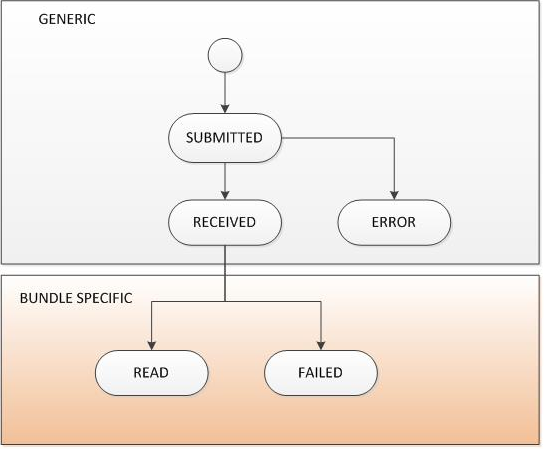
# Subflow

# 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 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 "BDL" 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

The status of the message is “RECEIVED” for successful processing, “READ” if the Bundle has been read and “FAILED” if there was a business issue.

# Additional Information

|  |  |
| --- | --- |
| MESSAGE STATE | APPLICATION RESPONSE CODE |
| RECEIVED | BDL:1 |
| ERROR | BDL:4 |
| READ | BDL:7 |
| FAILED | BDL:4 |