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

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# Validation for Application Response

This Use Case is included in the UC1\_1\_1. Asynchronous+Service+Use+Case+Specification.

# Synchronous Validation

* This sections is included in UC1\_1\_1. Asynchronous+Service+Use+Case+Specification at Step 2.1.4 “2.1.4. System validates the document ID”.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Element path | Severity | Category | Subcategory |
| RULE298 | The Document ID is not empty | *ApplicationResponse.ID* | Hard | Message content check | Constraint validation |
| RULE299 | The length of the Document ID is not longer than 250 characters | *ApplicationResponse.ID* | Hard | Message content check | Constraint validation |
| RULE300 | The Document ID only has ASCII characters | *ApplicationResponse.ID* | Hard | Message content check | Constraint validation |

* 1. **Asynchronous validation**

# XSD Validation

* This section is included in the UC1\_1\_1. Asynchronous+Service+Use+Case+Specification at Step 2.1.8 System performs the asynchronous validation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Element path | Severity | Category | Subcategory |
| RULE59 | The system checks that the message conforms to the schema.  For more details see sample Application Response in 6.1 Sample Application Response | N/A | Hard |  |  |

# Schematron validation

This section is included in the UC1\_1\_1. Asynchronous+Service+Use+Case+Specification at Step 2.1.8 System performs the asynchronous validation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Element path | Severity | Category | Subcategory |
| RULE301 | A Parent Document ID is not empty | *DocumentResponse.Response.ReferenceID* | Hard | Message content check | Constraint validation |
| RULE302 | The length of the Parent Document ID is not longer than 250 characters | *DocumentResponse.Response.ReferenceID* | Hard | Message content check | Constraint validation |
| RULE303 | The Parent Document ID only has ASCII characters | *DocumentResponse.Response.ReferenceID* | Hard | Message content check | Constraint validation |
| RULE313 | The Parent DocumentTypeCode must exist | *DocumentResponse.Response.ReferenceID* | Message content check | Constraint validation |  |
| RULE321 | Parent DocumentTypeCode | *DocumentResponse.Response.ReferenceID* | Message content check | Constraint validation |  |

# Parent document check

 This section is included in the Submit Document Use Case at Step 2.7 System performs the asynchronous validation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Element path | Severity | Category | Subcategory |
| RULE307 | * The Parent DocumentID * The Parent Document is identified through its ID taking into consideration the: * "              ID of the Parent Document and the Parent DocumentTypeCode found in the message * "              ID of the Sender found in the header of the message * "              ID of the Receiver found in the header of the message * "              The sender and the receiver of the Parent Document must be identical respectively  to the receiver and the sender of the document | *DocumentResponse.Response.ReferenceID* | Hard | External check | Parent ID validation |

# Errors

### E1. At step 1.2.1”XSD Validation” and an error occurs

* The system performs subflow S1. Persist message upon failure
* The following parameters are added to the Application Response:
* A Response Code is added "301:4"
* A Description may be added
* The Use Case ends.

### E2. At step 1.2.2 “Schematron validation” and any of the hard business rules fails:

* The system performs subflow S1. Persist message upon failure
* The following parameters are added to the Application Response:
* A Response Code is added "301:4"
* A Description may be added
* The Use Case ends.

### E3. At step 1.2.2” Schematron validation” and any of the soft business rules fails:

* The system generate the warning(s) corresponding to the failed rule(s)

### E4. At step 1.2.3 “Parent document check” any of the business rules fails:

* The system performs subflow S1. Persist message upon failure
* The following parameters are added to the Application Response:
* A Response Code is added "305:5"
* 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.

# Annex

# Sample Application Response

|  |  |  |
| --- | --- | --- |
| **Element** | **Constraint** | **Xpath** |
| **SOAP Header** | | |
| **Sender Identification** | *Mandatory* | *Header.BusinessHeader.Sender.Identifier* |
| **Receiver Identification** | *Optional* | *Header.BusinessHeader.Receiver.Identifier* |
| **ID of the message** | *Optional* | *Header.BusinessHeader.DocumentIdentification.InstanceIdentifier* |
| **Message type** | *Optional* | *Header.BusinessHeader.DocumentIdentification.Type* |
| **SOAP Body** | | |
| **ID** | *Mandatory* | *ApplicationResponse.ID* |
| **Issue date of the Application Response** | *Mandatory* | *ApplicationResponse.IssueDate* |
| **DocumentResponse** | *Mandatory* | *ApplicationResponse.DocumentResponse* |
| **Reference ID** | *Mandatory* | *DocumentResponse.Response.ReferenceID* |
| **DocumentResponse.Response.ResponseCode** | *Optional* | *DocumentResponse.Response.ResponseCode* |
| **DocumentResponse.DocumentReference** | *Mandatory* | *ApplicationResponse.DocumentResponse.DocumentReference* |
| **DocumentResponse.DocumentReference.ID** | *Mandatory* | *ApplicationResponse.DocumentResponse.DocumentReference.ID* |
| **DocumentResponse.DocumentReference.DocumentTypeCode** | *Optional* | *ApplicationResponse.DocumentResponse.DocumentReference.DocumentTypeCode* |