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**e-TrustEx – Validation Store Document Wrapper 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] |
| [0.2-0.3] | [09/25/2013] | [Alice Vasilescu] | [Internal review] |
| [0.4] | [10/02/2014] | [Anamaria Batrinu] | [Added business rules for SLA policy] |
| [0.5] | [24/07/2015] | [Anamaria Batrinu] | [Updated SOAP Faults] |

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# Validation for Store Document Wrapper

This Use Case is included in the UC1\_2\_1 Synchronous+Service+Use+Case+Specification.

# Synchronous Validation

# XSD Validation

This section is included in the UC1\_2\_1 Synchronous+Service+Use+Case+Specificationat Step 2.4 System performs the validation.

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

# Schematron validation

This section is included in the UC1\_2\_1 Synchronous+Service+Use+Case+Specification at Step 2.4 System performs the validation.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Element path | Severity | Category | Subcategory |
| RULE280 | The DocumentWrapper.ID is not empty |  | Hard | Message body check | Constraint validation |
| RULE281 | The length of the DocumentWrapper.ID is not longer than 250 characters |  | Hard | Message body check | Constraint validation |
| RULE282 | The DocumentWrapper.ID only has ASCII characters |  | Hard | Message body check | Constraint validation |
| RULE284 | The DocumentWrapper.IssueDate is not in the future |  | Soft | Message body check | Message logic |
| RULE285 | The DocumentWrapper.IssueDate is not older than 12 months |  | Soft | Message body check | Message logic |

# Service Level Agreement rules validation

This section includes the validation of Service Level Agreement rules regarding the transmission of Document Wrappers: the maximum size of a binary file per business domain, and the maximum volume of data that can be exchanged during a given period of time per business domain. See Annex 6.2. for recommended configurations.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Description | Element path | Severity | Category | Subcategory |
| RULE595 | The size of the binary file does not exceed the maximum size configured. |  | Hard | Message size check | Constraint validation |
| RULE596 | By storing the binary file, the maximum volume allowed is not exceeded. |  | Hard | Message size check | Constraint validation |

# Parent document check

No parent document check is foreseen.

# Asynchronous check

No asynchronous validation is foreseen.

# Errors

### E1. At step 1.1.1 “XSD Validation” and an error occurs

* System submits a SOAP Fault [6] of EC-Fault type
* A Response Code is added "**error.xsd**"
* A Description may be added: "Hard business rule violated"
* The Use Case ends.

### E2. At step 1.1.2 “Schematron validation” and any of the hard business rules fails:

* System submits a SOAP Fault [6] of EC-Fault type
* A Response Code is added "**error. hardrule**"
* A Description may be added: "Hard business rule violated"
* The Use Case ends.

### E3. At step 1.1.2” 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 1.1.3"Service Level Agreement rules validation" and any of the hard business rules fails:

* System submits a SOAP Fault [7] of EC-Fault type
* A Response Code is added:
* "**sla.binary\_size**" for RULE 595
* "**sla.volume**" for RULE 596
* A Description may be added: "SLA rule violated"
* The Use Case ends.

# Special Requirements

N/A.

# Preconditions

N/A.

# Post conditions

N/A.

# Additional Information

N/A.

# Annex

# Sample Store Document Wrapper

|  |  |  |
| --- | --- | --- |
| **Element** | **Constraint** | **Xpath** |
| **ID** | *Mandatory* | *DocumentWrapper.ID* |
| **IssueDate** | *Mandatory* | *DocumentWrapper.IssueDate* |
| **DocumentTypeCode** | *Mandatory* | *DocumentWrapper.DocumentTypeCode* |
| **SenderParty** | *Mandatory* | *DocumentWrapper.SenderParty* |
| **ResourceInformationReference.StreamBase64Binary** | *Optional* | *DocumentWrapper.ResourceInformationReference.LargeAttachment.StreamBase64Binary* |

# SLA recommended configurations

Recommended configurations as per defined features are:

* Maximum size: 100Mb as per FEAT. 127
* Maximum volume: 200Gb/Month as per FEAT. 332