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**e-TrustEx – Validation Attached Document Use Case Specification**

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| **Settings** | **Value** |
| **Directorate:** | <INFORMATICS> |
| **Project Name:** | e-TrustEx |
| **Document Author:** | Alice Vasilescu |
| **System Owner:** | Tanya Chetcutti |
| **Project Manager:** | Tanya Chetcutti |
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**Document Approver(s):**

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**Summary of Changes:**

The Document Author is authorized to make the following types of changes to the document without requiring that the document be re-approved:

* Editorial, formatting, and spelling
* Clarification

To request a change to this document, contact the Document Author or Owner.

Changes to this document are summarized in the following table in reverse chronological order (latest version first).

|  |  |  |  |
| --- | --- | --- | --- |
| **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] | [10/03/2014] | [Anamaria Batrinu] | [Created subflow S2 for reuse] |

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# Validation for Document Bundle

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

# Synchronous Validation

No synchronous validation.

# Asynchronous Validation

# XSD Validation

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 |
| RULE59 | The system checks that the message conforms to the schema.  For more details see sample in “1.5.1 Sample Attached Document” | N/A | Hard |  |  |

# Schematron validation

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 |
| RULE1 | Address. Address Format Code. Code |  | Soft | Message content check | Codelist validation |
| RULE6 | Country. Identification Code. Code |  | Soft | Message content check | Codelist validation |
| RULE21 | Tax Scheme. Tax Type Code. Code |  | Soft | Message content check | Codelist validation |
| RULE 37 | Attached Document.ParentDocumentTypeCode.Code |  | Hard | Message content check | Codelist validation |
| RULE38 | Attached Document.ParentDocumentTypeCode.Code |  | Soft | Message content check | Codelist validation |
| RULE45 | Address. Street Name. Name Must be present |  | Soft | Message content check | Codelist validation |
| RULE46 | Address. City Name. Name Must be present |  | Soft | Message content check | Codelist validation |
| RULE47 | Address. Postal\_ Zone. Text Must be present |  | Soft | Message content check | Codelist validation |
| RULE48 | Address. Country |  | Soft | Message content check | Codelist validation |
| RULE53 | Attached Document. Identifier  Cannot be Null |  | Hard | Message content check | Codelist validation |
| RULE78 | Attached Document.  Parent Document Identifier. Identifier  string length is 250 characters |  | Hard | Message content check | Codelist validation |
| RULE79 | Attached Document. Identifier  string length is 250 characters |  | Hard | Message content check | Codelist validation |
| RULE83 | TaxScheme.ID.Identifier |  | Soft | Message content check | Codelist validation |
| RULE157 | Attached Document. Identifier  only characters from the 7-bit ASCII table are allowed |  | Hard | Message content check | Codelist validation |
| RULE255 | Element Attachment is mandatory, but is not allowed to have any content in this document |  | Soft | Message content check | Codelist validation |
| RULE320 | Attached Document.ParentDocumentTypeCode.Code |  | Hard | Message content check | Codelist validation |

* + 1. **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 |
| RULE36 | Attached Document. Parent\_ Document Identifier. Identifier |  | Hard with retrial policy | External check | ParentID Validation |

# Errors

# E1 At step “1.2.1 XSD Validation” and the asynchronous validation fails

* The system performs subflow 1.4.1 S1 Persist message upon failure with response code "916:4"
* The Use Case ends.

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

* The system performs subflow 1.4.1 S1 Persist message upon failure with response code "916:4"
* 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 “Asynchronous validation – Parent document check” any of the business rules fails:

* The system performs subflow 1.4.1 S1 Persist message upon failure with response code "916:5"
* The Use Case ends.

# Subflow

# S1 Persist message upon failure

* The system creates an Application Response with the following parameters:
* A Response Code with the given value is added
* A Description may be added
* 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 is added
* The Issue Date of the document is added
* The status of the document which failed during the validation process changes to “ERROR”

# Annex

# Sample Attached Document

|  |  |  |
| --- | --- | --- |
| Element | Constraint | Xpath |
|  | | |
|  |  |  |