Requirements for the SCF
Module SRTXML-XSD

Contents

Disclaimer

Structure of the requirements

The structure of the requirements is as follows:

- **Title:** a short title, prepended with the internal ID of the requirement
- **Description:** the requirement text. The specified text will be used to test the implementation.
- **Area:** Apart from more general requirements the requirements are categorized by modules (e.g. `STLXML2EBU-TT` or `EBU-TT2EBU-TT-D`)
- **Requirement Review Status:** This is the internal review status of the requirement itself (especially of the requirement text).
- **Status Implementation:** This status indicates if the requirement is already met by the implementation. The possible status codes are:

  - *outstanding* - the corresponding code has not yet been written, or the requirement has been implemented but there are no test files for it
  - *waitingReview* - the code to implement the requirement has been written but nobody (except the developer) has reviewed the code yet
  - *underReview* - the corresponding code is under review and has not yet been accepted by the first reviewer
  - *reviewed* - the corresponding code has been reviewed and accepted by the first reviewer
  - *accepted* - the corresponding code has been accepted by the developer team and is ready to be published
- **Priority according to MoSCoW:** the priority that is the base to decide when the feature will be implemented. The possible values are:

  - *M* - must
  - *S* - should
  - *C* - could
  - *W* - won't

  For more information see: https://en.wikipedia.org/wiki/MoSCoW_method

Requirements for Sub-module SRTXML-XSD

requirement-650: Existence SRTXML-XSD

Description

There shall be an W3C XML Schema (XSD) that is conformant to the version 1.0 of the XML Schema Standard that can be used to validate an SRTXML file (SRTXML-XSD).

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-651: SRTXML-XSD error reporting

Description

Validation of an XML file with the SRTXML-XSD shall not result in false negative validation error messages but may result in false positive error messages.

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-652: SRTXML content model

Description

The SRTXML-XSD shall validate that SRTXML has one or more mandatory "subtitle" element children.

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-653: subtitle content model

Description

The SRTXML-XSD shall validate that the "subtitle" element has the mandatory children elements "id", "begin" and "end" in the described order. Each child element shall be present exactly once. In addition one or more "line" elements may be present after these children elements.

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-654: id data type

Description

The SRTXML-XSD shall validate that the "id" element is of type xs:positiveInteger. The value is restricted to be unique in the document.

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-655: begin data type

Description

The SRTXML-XSD shall validate that the "begin" element is of type xs:string. The string value is restricted to a timecode of the format "00:00:00,000", refering to hours, minutes, seconds and milliseconds respectively. Hereby the amount of hours may occupy more than two digits.

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-656: end data type

Description

The SRTXML-XSD shall validate that the "end" element is of type xs:string. The string value is restricted to a timecode of the format "00:00:00,000", refering to hours, minutes, seconds and milliseconds respectively. Hereby the amount of hours may occupy more than two digits.

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-657: line data type

Description

The SRTXML-XSD shall validate that the "line" element is a complex type with mixed content which allows any children elements. The resulting value text is restricted to be non-empty and to contain neither line breaks nor carriage returns.

Area

SRTXML-XSD

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m