Requirements for the SCF Module
EBU-TT-D2EBU-TT-D-Basic-DE

Contents

Disclaimer

Structure of the requirements

The structure of the requirements are as follows:

- **title:** a short title with the internal id of the requirement in brackets
- **description:** the requirement text - the specified text will be taken to test the implementation
- **area:** apart from more general requirements the requirements are categorized by modules (e.g. STLXML2EBUTT oder EBUTT2EBUTTD)
- **requirement review status:** this is the internal review status of the requirement itself (esp. of the requirement text)
- **status implementation:** this status indicates if the requirement is already met by the implementation the status codes are:

  - *outstanding* - the corresponding code has not been written yet 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 with exception of the developer nobody has reviewed the code yet
  - *underReview* - the corresponding code is underReview and has not been accepted by the first reviewer yet
  - *reviewed* - the corresponding code has been reviewed and accepted by the first reviewer
  - *Priority* according to MoSCoW (the priority that is the base to decide when the feature will be implemented: m - MUST, S-Should, C-could, W-Won´t. For more information see *http://en.wikipedia.org/wiki/ MoSCoW_method*))

Requirements for Sub-module EBU-TT-D2EBU-TT-D-Basic-DE

requirement-375: ttp:timebase attribute mapping

Description

The ttp:timebase attribute of the EBU-TT-D-Basic-DE file's tt:tt root element is set to "media" according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.2).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-376: ttp:cellResolution attribute mapping

Description

The ttp:cellResolution attribute of the EBU-TT-D-Basic-DE file's tt:tt root element is set to "50 30" according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.2).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-377: xml:lang attribute mapping

Description

The xml:lang attribute of the EBU-TT-D-Basic-DE file's tt:tt root element is taken from the EBU-TT-D file's tt:tt root element's xml:lang attribute according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.2).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-378: XML comment

Description

An XML comment set prior to the tt:tt root element hints to the used profile in the EBU-TT-D-Basic-DE file according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.2).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-381: ebuttm:documentEbuttVersion element mapping

Description

The EBU-TT-D-Basic-DE file's ebuttm:documentEbuttVersion element has its value set to "v1.0" according to EBU Tech 3350 3.1.1.1 (p.19).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-383: tt:styling element mapping

Description

The EBU-TT-D-Basic-DE file's tt:styling element in the tt:head element has a tt:style element with its xml:id attribute set to "defaultStyle" according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken

(EBU-TT-D-Basic-DE) v1.2 (p.3). Its other attributes are set as follows: tts:fontFamily="Verdana, Arial, Tiresias", tts:fontSize="160%", tts:lineHeight="125%".

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-385: tt:style element - tts:textAlign

Description

There are exactly three style elements in the EBU-TT-D-Basic-DE file that have a tts:textAlign attribute set. Exactly one tt:style element has the value "center" set, exactly one has the value "left" set and exactly one has the value "right" set according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.9). These styles are only referenced by tt:p elements.

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-386: tt:style element - tts:color

Description

There are only eight allowed style elements in the EBU-TT-D-Basic-DE file that have their tts:color attributes set. The supported values are #000000 hex, #ffffff hex, #ff0000 hex, #00ff00 hex, #0000ff hex, #ffff00 hex, #ff00ff hex, #00ffff hex. Each of these eight elements has a different value set so each of the values is set exactly once. Each of these elements has its tts:backgroundColor attribute set to the value "#000000c2"

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-387: tt:region element mapping

Description

The EBU-TT-D file's tt:region elements are not mapped to the EBU-TT-D-Basic-DE file. The EBU-TT-D-Basic-DE file has two tt:region elements. For both of them the tts:origin attribute is set to "10% 10%". For both of them the tts:extent attribute is set to "80% 80%". For one of them the tts:displayAlign attribute is set to "after", for the other one it's set to "before" according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.8).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

s

requirement-388: tt:div element mapping

Description

The EBU-TT-D-Basic-DE file created from the EBU-TT-D file has exactly one tt:div element. This element's style attribute is set to "defaultStyle".

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-390: tt:p element mapping - content

Description

The EBU-TT-D file's tt:p elements' textual content is copied to the EBU-TT-D-Basic-DE file's tt:p elements. Every textual content is enclosed in a tt:span element. The tt:span elements are not nested.

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-391: tt:p element - style

Description

In the EBU-TT-D-Basic-DE file every tt:p element's style attribute is referencing a style whose tts:textAlign attribute is set according to the subtitle block's intended horizontal alignment according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.9). If there's no horizontal alignment given for this particular subtitle block in the EBU-TT-D file, a style whose tts:textAlign attribute is set to "center" is referenced.

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-392: tt:p element mapping - region

Description

In the EBU-TT-D-Basic-DE file every tt:p element's region attribute is referencing one of the two defined regions depending on its position relative to the height of the video within the EBU-TT-D file. If the upper corner of the tt:p element lies in the upper half of the root container in the EBU-TT-D file, the region attribute of the tt:p element in the EBU-TT-D-Basic-DE file is referencing the region whose tts:displayAlign attribute is set to "before", otherwise it references to region whose tts:displayAlign attribute is set to "after" according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.10).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

s

requirement-393: tt:p element mapping - begin and end attributes

Description

In the EBU-TT-D-Basic-DE file a tt:p element's begin and end attributes' values are taken from the respective tt:p element's begin and end attributes in the EBU-TT-D file according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.9). The Milliseconds part is truncated to 3 digits.

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-394: tt:span element mapping - content

Description

In the EBU-TT-D-Basic-DE file every form of textual content is enclosed by a tt:span element according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.9).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-395: tt:span element mapping - style

Description

In the EBU-TT-D-Basic-DE file every tt:span element's style attribute is referencing a style with the appropriate text color according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.11). The referenced style has its tts:color attribute set to a value that's properly representing the textcolor of the respective tt:span element in the EBU-TT-D file. For example if a tt:span element in the EBU-TT-D file references a style element that results in a reddish colouring of the contained text, the corresponding tt:span element in the EBU-TT-D-Basic-DE file references a style element that has its tts:color attribute set to "#ff0000" and its tts:backgroundColor attribute to "#000000c2" (the only allowed value for the tts:backgroundColor attribute of a style in EBU-TT-D-Basic-DE).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-396: tt:span element mapping - background color

Description

In the transformation of an EBU-TT-D file to an EBU-TT-D-Basic-DE file tt:span elements changing the background color are not mapped to the EBU-TT-D-Basic-DE file since other than the default background colour no colours are supported according to XML-Format für die Distribution von Untertiteln in den ARD Mediatheken (EBU-TT-D-Basic-DE) v1.2 (p.11).

Area

EBU-TT-D2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s