Requirements for the SCF Module FlashDFXP2EBU-TT-D-Basic-DE

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 FlashDFXP2EBU-TT-D-Basic-DE

requirement-2050: Static Mapping

Description

Independently of the input file the output file has the following static characteristics:

- it conforms to the version 1.2 of EBU-TT-D-Basic-DE Specification
- it is valid against the EBU-TT-D XML Schema in the version 1.0
- it is valid against the EBU-TT-D-Basic-DE XML Schema
- the value of the ttp:cellResolution attribute is set to "50 30"
- the value of the ttp:timeBase attribute is set to "media"
- the value of the xml:lang attribute is set to "de"
- it has a comment at the start of the document with the value "Profile: EBU-TT-D-Basic-DE"
- it has one style element where the font-family is set to "Verdana, Arial, Tiresias", the font-size to 160% and the line-height to 125%
- it has eight style elements for the text colors where the background color is always set to "#000000c2"
- it has one style element to set the following text color values: #000000, #0000ff, #00ff00, #00ffff, #ff0000, #ff00ff, #ffff00 and #ffffff
- it has three style elements that set the text alignment
- for each of the possible values for text alignment("center", "right" and "left") there is one style
- there are two regions defined where for one region the display align attribute is set to "after" and the other display align attribute is set to "before", the origin attribute ist to "10% 10%" and the extent attribute is set to "80% 80%"
- the div element has a style reference to the default style
- all span elements have a reference to one of the styles that set the text color
- all p elements have a reference to a style that set the text alignment
- all text is enclosed in span elements
- a style attribute on span an p can only reference one style
- each tt:p element in the result document must have a region attribute which is always set to "bottom" as the source document never refers to any region

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

inDiscussion

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2051: Text Alignment

Description

The following requirements have to met regarding the application of text alignment:

- Each tt:p element in the result document has a reference to one of the following styleId´s that set the text alignment: 'textLeft', 'textCenter' or 'textRight'."
- If the p element in the source document has no textAlign attribute, the styleReference is set to 'textCenter.
- If the p element in the source document has a textAlign attribute and it is set to 'center' the value of the styleReference in the output document is set to 'textCenter'.
- If the p element in the source document has a textAlign attribute and it is set to 'left' the value of the styleReference in the output document is set to 'textLeft'.
- If the p element in the source document has a textAlign attribute and it is set to 'right' the value of the styleReference in the output document is set to 'textRight'.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2052: xml:id on tt:p elements

Description

Each tt:p element in the result document must have an xml:id attribute where each value must be unique amongst all values of xml:id attributes in the result document.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2053: Mapping of p elements

Description

Each p element in the source document is mapped to a tt:p element in the target document.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2054: Mapping of span elements

Description

Each span element in the source document is mapped to a tt:span element in the target document.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2055: Mapping of br elements

Description

Each br element in the source document is mapped to a tt:br element in the target document.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2056: Enclose text nodes being a direct child of a p element with a tt:span element

Description

Each text node in the source document which is a direct child of a p element is enclosed by a tt:span element in the target document.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2057: Mapping the foreground color of a text node

Description

The foreground color of each text node in the source document is mapped to one of the foreground colors defined in the EBU-TT-D-Basic-DE V1.2 Specification. In the target document the mapped color is referenced via the style attribute of the parent tt:span element of the text node.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2058: Mapping of color codes

Description

Color codes from the source document are mapped to a target color from the EBU-TT-D-Basic-DE V1.2 Specification as follows: There is a string parameter for every target color defined in the EBU-TT-D-Basic-DE V1.2 Specification, which consists of one or more source color codes separated by comma, whereby each color code is in the hex notation "#A1B2C3". Every color code which is taken from the source document must be mapped according to the color mapping to the regarding target color in the target document. If a source color code is not covered by the mapping, the color of the default style is used in the target document.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2059: Mapping of begin and end attributes

Description

The following requirements apply for the maping of begin and end times:

- The timecode format from the source document (format: ss.ms) must be transformed into the timecode format of the target document (format: hh:mm:ss.ms). The ms value from the source can be taken but needs to be represented with 3 digits. The value of seconds must be transformed into hours, minutes and seconds. Hours, minutes and seconds need to be represented with 2 digits.
- The begin attribute of a p element in the source document is mapped to the begin attribute in the corresponding tt:p elemnt in the target document. Timecodes must be transformed as described above.
- The end attribute of a p element in the source document is mapped to the end attribute in the corresponding tt:p elemnt in the target document. Timecodes must be transformed as described above.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-2060: xml:id value on tt:p elements

Description

The value of the xml:id attribute of each tt:p element in the result document consists of a prefix and a number which is increased by one for each subtitle. The prefix and the number from which counting is started can be set via a parameter. The default prefix is 'sub' and the default start number is 0.

Area

FlashDFXP2EBU-TT-D-Basic-DE

Requirement Review Status

open

Status Implementation

accepted

Priority according to MoSCoW

m