Requirements for the SCF Module STLXML2EBU-TT

Contents

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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 STLXML2EBU-TT

requirement-025: Following EBU-TT Tech 3360

Description

The user is able to transform an STL XML file in an EBU-TT Part 1 file and the transformation follows the guideline EBU-TT Tech 3360. If a different approach than documented in 3360 has been chosen, it is documented and justified.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

m

requirement-026: Fields not mapped

Description

The following GSI fields are not mapped from STL XML to EBU-TT: Total Number of TTI Blocks (TNB), Disk Sequence Number (DSN), Total Number of Disks (TND), Total Number of Subtitle Groups (TNG), Time Code: Status (TCS), Maximum Number of Displayable Rows (MNR) and Time Code: First in-cue (TCF).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

m

requirement-027: Frame rate mapping

Description

The ttp:frameRate attribute of the EBU-TT file's tt:tt element is set to "25" if the Disk Format Code (DFC) is "STL25.01" and to "30" if the DFC is "STL30.01". The ttp:frameRateMultiplier attribute is set to "1 1" if the DFC is "STL25.01" and to "1000 1001" if the DFC is "30". If the DFC element is not "STL25.01" or "STL30.01" (trailing and leading space removed), the processing of the input document terminates.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-028: Partially Language Code mapping

Description

The STL XML file's Language Code (LC) for German, Spanish, French, Italian, Portuguese and English is mapped to the xml:lang attribute of the EBU-TT file's tt:tt element according to the Language Code mapping in Annex C of EBU Tech 3360 version 0.9 (page 53). Other values of the Language Code (LC) are mapped to the empty string

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-029: Partially Country of Origin mapping

Description

The STL XML file's Country of Origin (CO) for Germany, Spain, France, Italy, Portugal and England are mapped to the ebuttm:documentCountryOfOrigin element according to the Country of Origin Code mapping in Annex D of EBU Tech 3360 version 0.9 (page 57). If the country code value of the CO element is not supported the value ebuttm:documentCountryOfOrigin will be set to "und" (undefined).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-030: Time Code: Start-of-Programme mapping

Description

The Time Code: Start-of-Programme (TCP) field is mapped to a string that conforms to the type ebuttd:smpteTimingType in EBU-TT 3350 Part 1 v. 1.0 (page 46) and is placed into an ebuttm:documentStartOfProgramme element. If the timecode in the TCP element is invalid the processing of the document stops.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-031: User-Defined Area mapping

Description

The content of the STL XML file's User-Defined Area (UDA) is converted into a BASE64 encoded string and is placed into an ebuttm:documentUserDefinedArea element according to EBU Tech 3360 v0.9 (p.25). Trailing spaces are not converted.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

s

requirement-032: Original Programme Title mapping

Description

The content of the STL XML file's Original Programme Title (OPT) is placed into an ebuttm:documentOriginalProgrammeTitle element according to EBU Tech 3360 v0.9 (p.25). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-033: Original Episode Title mapping

Description

The content of the STL XML file's Original Episode Title (OET) is placed into an ebuttm:documentOriginalEpisodeTitle element according to EBU Tech 3360 v0.9 (p.25). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-034: Translated Programme Title maping

Description

The content of the STL XML file's Translated Programme Title (TPT) is placed into an ebuttm:documentTranslatedProgrammeTitle element according to EBU Tech 3360 v0.9 (p.25). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

s

requirement-035: Translated Episode Title mapping

Description

The content of the STL XML file's Translated Episode Title (TET) is placed into an ebuttm:documentTranslatedEpisodeTitle element according to EBU Tech 3360 v0.9 (p.25). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-036: Translator's Name mapping

Description

The content of the STL XML file's Translator's Name (TN) is placed into an ebuttm:documentTranslatorsName element according to EBU Tech 3360 v0.9 (p.25). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-037: Translator's Contact Details mapping

Description

The content of the STL XML file's Translator's Contact Details (TCD) is placed into an ebuttm:documentTranslatorsContactDetails element according to EBU Tech 3360 v0.9 (p.26). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-038: Subtitle List Reference Code mapping

Description

The content of the STL XML file's Subtitle List Reference Code (SLR) is placed into an ebuttm:documentSubtitleListReferenceCode element according to EBU Tech 3360 v0.9 (p.26). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-039: Publisher mapping

Description

The content of the STL XML file's Publisher (PUB) is placed into an ebuttm:documentPublisher element according to EBU Tech 3360 v0.9 (p.26). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-040: Editor's Name mapping

Description

The content of the STL XML file's Editor's Name (EN) is placed into an ebuttm:documentEditorsName element according to EBU Tech 3360 v0.9 (p.26). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-041: Editor's Contact Details mapping

Description

The content of the STL XML file's Editor's Contact Details (ECD) is placed into an ebuttm:documentEditorsContactDetails element according to EBU Tech 3360 v0.9 (p.26). Trailing spaces are removed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-042: EBU-TT Document Creation Date mapping

Description

The EBU-TT file's ebuttm:documentCreationDate element takes the date the EBU-TT file is created as its content according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-043: EBU-TT Document Revision Number mapping

Description

The EBU-TT file's ebuttm:documentRevisionNumber element is set to 0 because every transformation creates an original version according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

c

requirement-431: EBU-TT Document Revision Date mapping

Description

The EBU-TT file's ebuttm:documentRevisionDate element takes the date the EBU-TT file is created as its content according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-044: STL XML Creation Date mapping

Description

The content of the STL XML file's Creation Date (CD) is converted into xs:date and placed into an ebuttExt:stlCreationDate element according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-045: STL XML Revision Date mapping

Description

The content of the STL XML file's Revision Date (RD) is converted into string that conforms to the type xs:date and placed into an ebuttExt:stlRevisionDate element according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-046: STL XML Revision Number mapping

Description

The content of the STL XML file's Revision Number (RN) is converted into a non-negative integer and placed into an ebuttExt:stlRevisionNumber element according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-047: Maximum Number of Displayable Characters mapping

Description

The content of the STL XML file's Maximum Number of Displayable Characters (MNC) is converted into a non-negative integer and placed into an ebuttm:documentMaximumNumberOfDisplayableCharacterInAnyRow element according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-048: Total Number of Subtitles mapping

Description

The content of the STL XML file's Total Number of Subtitles (TNS) is converted into a non-negative integer and placed into an ebuttm:documentTotalNumberOfSubtitles element according to EBU Tech 3360 v0.9 (p.26).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

s

requirement-049: tt:style element mapping - defaultStyle

Description

The tt:styling element in the EBU-TT file's head section contains at least one tt:style child element whose xml:id attribute has the value "defaultStyle". All values are set as in the example on EBU Tech 3360 v0.9 (p.30). It contains an explicit value for all inheritable style attributes by EBU-TT according to EBU Tech 3360 4.1 (p. 28).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-051: tt:style element mapping - defaultStyle tts:fontSize

Description

The tts:fontSize attribute of the defaultStyle in the EBU-TT file is set to the value "1c 1c" according to EBU Tech 3360 v0.9 (p.29).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-052: tt:style element mapping - defaultStyle tts:backgroundColor

Description

The tts:backgroundColor attribute of the defaultStyle in the EBU-TT file is set to a value of transparent according to EBU Tech 3360 v0.9 (p.29).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-054: tt:layout element mapping

Description

The EBU-TT file's head section contains a tt:layout element with at least one tt:region child according to section 3.1.3 in EBU Tech 3350 (p. 34). Each tt:p element references a tt:region element. All regions created are fully defined with all attribute values supported by EBU-TT.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-055: tt:body element mapping

Description

The EBU-TT file's tt:body element contains at least one tt:div element. All tt:div element reference the defaultStyle style definition using its style attribute.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-056: Subtitle Group Number mapping

Description

If different subtitles within the STL XML file contain matching Subtitle Group Numbers (SGN), they are placed together in a containing tt:div element as tt:p elements according to EBU Tech 3360 v0.9 (p.31). A tt:div element includes all tt:p elements with a common SGN number. Every tt:div element holds an xml:id attribute that holds the SGN converted to a string, prefixed by "SGN", e.g. "SGN1", and references the defaultStyle using its style attribute.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-057: Subtitle Number mapping

Description

If multiple TTI blocks in the STL XML file have the same Subtitle Number (SN) and their Extension Block Number (EBN) is between 0 (00h) and 239 (EFh), the content of their Text Fields (TF) is put together in a single tt:p element with the order depending on their respective EBN.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

s

requirement-058: Extension Block Number 254 handling

Description

If a TTI block in the STL XML file has the Extension Block Number (EBN) 254 and there are other TTI blocks with the same Subtitle Number (SN), its content is considered as proprietary User Data according to EBU Tech 3360 v0.9 (p.32). The TTI block's content is mapped to a element with the name proprietaryUserData. This element is a child of tt:metadata of the tt:p element which is created from the TTI blocks with the respective Subtitle Number (SN element). The proprietaryUserData element is in noNamespace.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

s

requirement-059: Extension Block Number 254 discarding

Description

If a TTI block in the STL XML file has the Extension Block Number (EBN) 254 and there are no other TTI blocks with the same Subtitle Number (SN), this TTI block is discarded.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

s

requirement-060: TimeBase parameter

Description

There is a parameter,e.g. named "timeBase", to specify if the resulting EBU-TT file is using either "media" or "smpte" as the value of its tt:tt element's ttp:timeBase attribute. Its default value is "smpte".

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-061: Time Code In mapping

Description

The value of the TTI block's Time Code In (TCI) field contains an EBU/SMPTE time-and-control code value. It is always decoded and its value placed into the "begin" attribute of the tt:p element generated from the respective TTI block according to EBU Tech 3360 v0.9 (p.32). The type of the begin attribute is either ebuttdt:smpteTimingType or ebuttdt:mediaTimingType according to EBU Tech 3350 (p.40). The "timeBase" parameter defines which type is applied. If the timecode value of the TCI element does not conform to the expected timecode format (i.e. smpte timecode of format hhmmssff (hh = hours, mm = minutes, ss = seconds, ff = frames)) the transformation exits with an error message.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-062: Time Code Out mapping

Description

The value of the TTI block's Time Code Out (TCO) field contains an EBU/SMPTE time-and-control code value. It is always decoded and its value placed into the "end" attribute of the tt:p element generated from the respective TTI block according to EBU Tech 3360 v0.9 (p.32). The type of the begin attribute is either ebuttdt:smpteTimingType or ebuttdt:mediaTimingType according to EBU Tech 3350 (p.40). The "timeBase" parameter defines which type is applied. If the timecode value of the TCI element does not conform to the expected timecode format the transformation exits with an error message.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-063: Cumulative Subtitles mapping

Description

A group of associated cumulative subtitles is put together in one tt:p element. The begin attribute of this tt:p element is equal to the begin attribute of the first cumulative subtitle (CS is 01h), the end attribute is equal to the last cumulative subtitle's (CS is 03h) end attribute. The order of the cumulative subtitle's parts is mapped according to EBU Tech 3264 (p.11). As the current version of EBU Tech 3360 doesn't cover cumulative status according to EBU Tech 3360 4.4.3 Cumulative Status p.32, interrupt the transformation if a CS element has a value other than 00.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-075: Trim parameter

Description

There is a parameter, e.g. named "JCspacetrimming", that decides whether leading and trailing spaces in a TTI block with a JC element's value of 00h are trimmed or not. When its value is set to "false", the resulting tt:span elements' space attributes have the value "preserve". If the parameter is not specified or set to "true" the spaces are trimmed within a tt:span element.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

c

requirement-064: Justification Code 00h mapping

Description

If the TTI block's Justification Code (JC) has a value of 00h and the parameter "JCspacetrimming" has the value of "true" or was not specified, the tt:p element corresponding to the TTI block references a style definition whose tts:textAlign attribute has the value "center" according to EBU Tech 3360 v0.9 (p.33). All leading and trailing spaces are trimmed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-066: EBU-TT space attribute mapping

Description

Depending on the value of the "JCspacetrimming" parameter the EBU-TT file's tt:span elements have their space attribute set to "default" if the "JCspacetrimming" parameter is set to "true", or "preserve" otherwise. This only applies if the currently processed TTI block has its JC element set to '00'.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-067: Justification Code 01h mapping

Description

If the TTI block's Justification Code (JC) has a value of 01h, the tt:p element containing the subtitle references a style definition whose tts:textAlign attribute has the value "start" according to EBU Tech 3360 v0.9 (p.33). Leading and trailing spaces are trimmed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-068: Justification Code 02h mapping

Description

If the TTI block's Justification Code (JC) has a value of 02h, the tt:p element containing the subtitle references a style definition whose tts:textAlign attribute has the value "center" according to EBU Tech 3360 v0.9 (p.33). Leading and trailing spaces are trimmed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-069: Justification Code 03h mapping

Description

If the TTI block's Justification Code (JC) has a value of 03h, the tt:p element containing the subtitle references a style definition whose tts:textAlign attribute has the value "end" according to EBU Tech 3360 v0.9 (p.33). Leading and trailing spaces are trimmed.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-070: Comment Flag mapping

Description

If the TTI block's Comment Flag (CF) has a value of 01h, the TTI block's text field contains comments not intended for transmission. In this case the content of the TTI block's text field is placed in an ebuttEXT:comment element. This element is a child of a tt:metadata element which itself is the first child of the containing tt:p element according to EBU Tech 3360 v0.9 (p.35).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-071: Text Field mapping

Description

A Text Field (TF) in the STL XML file is converted in one or more tt:span elements within a single tt:p element according to EBU Tech 3360 v0.9 (p.40). The Control codes taken into account for this mapping are the following: AlphaBlack, AlphaRed, AlphaGreen, AlphaYellow, AlphaBlue, AlphaMagenta, AlphaCyan, StartBox, EndBox, DoubleHeight, BlackBackground, NewBackground.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-430: tt:p element mapping - xml:id

Description

The tt:p element's xml:id attribute's value is created by concatenating a prefix (for example 'sub') with the content of the TTI block's SN element. A SN element's value of 0486 for example results in a possible xml:id attribute with value 'sub0486'.

Area

STLXML2EBU-TT

Requirement Review Status

open

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-072: tt:p element mapping - text content

Description

All text content inside a created tt:p element is contained within tt:span elements. These spans are not nested according to EBU Tech 3360 v0.9 (p.40).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-073: DoubleHeight mapping

Description

If textual content is specified as DoubleHeight in the TF of the STL XML file, the text is placed in a tt:span element where the vertical extent of the applied font has the double size compared to the "normal" font specified in the defaultStyle.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-074: Line break handling

Description

Each logical row of text in the STL XML file's TF following an existing row in the same subtitle is preceded by a single tt:br element according to EBU Tech 3360 v0.9 (p.40).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-076: Control Codes mapping

Description

Control Codes for colours, italics and underline in the STL XML file's Text Field (TF) result in closing the current tt:span element and opening a new one within the tt:p element according to EBU Tech 3360 v0.9 (p.40). The new tt:span references an appropriate style definition that represents the intent of the control characters.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

m

requirement-077: Teletext subtitle mapping

Description

For teletext subtitles (DSC has a value of either 1 or 2), the tt:span elements reference a style definition with a black background colour by default if no other style is specified according to EBU Tech 3360 v0.9 (p.40).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-078: Processing Control Codes mapping

Description

Processing Control Codes for Teletext STL files are mapped according to the table in EBU Tech 3360 v0.9 (p. 41).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

m

requirement-090: BlackBackground element mapping

Description

If the mapping of a BlackBackground element is actually changing the style property of the current tt:span element, it is mapped by closing this tt:span element. A new tt:span is opened referencing a style with a black background and appropriate background colour according to the table in EBU Tech 3360 v0.9 (p. 41). If the mapping of the element wouldn't change the current style, the current tt:span is not closed and the BlackBackground element is only interpreted as a space.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-091: NewBackground element mapping

Description

If the mapping of the NewBackground element changes the background-color of the current tt:span element, proceed as follows: The NewBackground element is mapped by opening a new tt:span. This tt:span references a style with the appropriate background and foreground colour in combination with the semantics of preceding and following control codes according to the table in EBU Tech 3360 v0.9 (p. 41). The tt:span element's style attribute references a style

whose tts:backgroundColor attribute is set to appropriately represent the colour that is represented by the element proceeding the NewBackground element. For example, if an AlphaGreen element is proceeding the NewBackground element, the tts:backgroundColor attribute of the style that's referenced by the tt:span element's style attribute is set to a colour representing the AlphaGreen colouring. If the result of this described mapping doesn't differ from the style that's referenced by the current tt:span element, the Newbackground element is solely mapped to a space.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-079: AlphaBlack element mapping

Description

If the mapping of the AlphaBlack element changes the foreground color or background color currently applied to the text enclosed by a tt:span element, proceed as follows: The AlphaBlack element is mapped to a tt:span element whose style attribute references a style whose tts:color or tts:backgroundColor is set to a colour that appropriately represents the AlphaBlack colouring. Whether the tts:color or the tts:backgroundColor is set to the new colour depends on whether a NewBackground element is preceeding the AlphaBlack element (see EBU Tech 3360 v0.9 (p.41). If the mapping of the AlphaBlack does not change the foreground colour or background colour currently applied to the text enclosed by a tt:span element, it is mapped to a space when the space is necessary to separate two words. Otherwise it is ignored.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-080: AlphaRed element mapping

Description

The mapping of the AlphaRed element follows the same procedure as described in requirement-079 for the AlphaBlack element.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-081: AlphaGreen element mapping

Description

The mapping of the AlphaGreen element follows the same procedure as described in requirement-079 for the AlphaBlack element.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-082: AlphaYellow element mapping

Description

The mapping of the AlphaYellow element follows the same procedure as described in requirement-079 for the AlphaBlack element.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-083: AlphaBlue element mapping

Description

The mapping of the AlphaBlue element follows the same procedure as described in requirement-079 for the AlphaBlack element.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-084: AlphaMagenta element mapping

Description

The mapping of the AlphaMagenta element follows the same procedure as described in requirement-079 for the AlphaBlack element.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-085: AlphaCyan element mapping

Description

The mapping of the AlphaCyan element follows the same procedure as described in requirement-079 for the AlphaBlack element.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-086: EndBox element mapping

Description

The EndBox element is mapped as closing a tt:span if one has been opened earlier according to the table in EBU Tech 3360 v0.9 (p. 41).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

waitingReview

Priority according to MoSCoW

m

requirement-087: StartBox element mapping

Description

The StartBox element is mapped as closing a tt:span if one has been opened earlier. A new tt:span is opened referencing a style with the appropriate background and foreground colour according to the table in EBU Tech 3360 v0.9 (p. 41).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

waitingReview

Priority according to MoSCoW

m

requirement-088: NormalHeight element mapping

Description

The NormalHeight element is mapped by starting a new tt:span referencing a styling that references textual representation in a single row whose height is depending on the used cell-resolution according to the table in EBU Tech 3360 v0.9 (p. 41).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

m

requirement-402: Referenced Colours

Description

An EBU-TT file that was created by the STLXML2EBU-TT module only references colours appropriately representing the EBUSTL Control Codes AlphaBlack, AlphaRed, AlphaGreen, AlphaYellow, AlphaBlue, AlphaMagenta, AlphaCyan and AlphaWhite according to the table in EBU Tech 3360 v0.9 (p. 41). These colors are the following named colors: "black" for AlphaBlack, "red" for AlphaRed, "lime" for AlphaGreen, "yellow" for AlphaYellow, "blue" for AlphaBlue, "magenta" for AlphaMagenta, "cyan" for AlphaCyan and "white" for AlphaWhite.

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

reviewed

Priority according to MoSCoW

m

requirement-092: In-vision Control Code mapping

Description

Processing Control Codes for Open (In-vision) STL files are matched according to the table in EBU Tech 3360 v0.9 (p. 42).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

c

requirement-093: GSI Block mapping consistency

Description

The mapping of elements from the STL XML file's GSI Block into EBU-TT is consistent with the table given in EBU Tech 3360 Annex A (p. 45).

Area

STLXML2EBU-TT

Requirement Review Status

accepted

Status Implementation

outstanding

Priority according to MoSCoW

m