# Requirements for the SCF Module EBU-TT-D-Basic-DE2WebVTT

# 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 EBU-TT-D-Basic-DE2WebVTT

## requirement-900: EBU-TT-D-Basic-DE to WebVTT

**Description**

There is the option to transform a EBU-TT-D-Basic-DE file into a WebVTT file.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-900a: File signature

**Description**

The output document contains the string "WEBVTT" directly at the beginning in order to indicate the file type.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-901: Internal style block

**Description**

The output document contains a style block which consists of all text/background colors defined by the EBU-TT-D-Basic-DE profile. To increase compatibility with renderers that only support the predefined default color classes of WebVTT, the same names shall be used for the classes here. The content of the style block is also available as a separate CSS file that can then be referenced by/embedded into an HTML document in order to apply the contained (external) styles to a WebVTT track, as some browsers don't support the internal style block of WebVTT.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-902: tt:p element mapping

**Description**

A tt:p element of the input document is mapped to a cue block in the output document.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-903: xml:id attribute mapping

**Description**

The xml:id attribute of a tt:p element of the input document is mapped to the cue identifier of the corresponding cue block of the output document.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-904: begin attribute mapping

**Description**

The begin attribute of a tt:p element of the input document is mapped to the start time offset of the cue timings of the corresponding cue block of the output document.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-905: end attribute mapping

**Description**

The end attribute of a tt:p element of the input document is mapped to the end time offset of the cue timings of the corresponding cue block of the output document.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-906: text nodes mapping - text

**Description**

The text node children of all tt:span element children of a tt:p element of the input document are mapped to zero or more caption/subtitle cue components (separated by line terminators) of the corresponding cue block of the output document. Any whitespacing is handled as if the xml:space attribute has the value "default".

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-907: text nodes mapping - line breaks

**Description**

As every tt:br element child of a tt:p element of the input document corresponds to a line break between adjacent text lines, any affected text nodes before and after that tt:br element are stored in different, adjacent caption/subtitle cue components (separated by a line terminator) in the output document.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-908: text nodes mapping - text color

**Description**

Each tt:span element in the input document references a certain text color, using the TTML styling feature. Hence the corresponding caption/subtitle cue component in the output document shall be enclosed by a cue class span that refers to an appropriate text color class.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-909: text nodes mapping - background color

**Description**

As the EBU-TT-D-Basic-DE profile only allows a single background color (black with 76% opacity), each caption/subtitle cue component in the output document shall be enclosed by a cue class span that refers to the appropriate background color class.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m

## requirement-910: text nodes mapping - vertical position

**Description**

The vertical alignment of each tt:p element of the input document (referencing to a "top" or a "bottom" region) is ignored. Each cue block of the output document is vertically aligned as if it was part of a "bottom" region. This is done without actually using WebVTT regions, due to incomplete support by renderers.

**Area**

EBU-TT-D-Basic-DE2WebVTT

**Requirement Review Status**

accepted

**Status Implementation**

accepted

**Priority according to MoSCoW**

m