Vantage Timed Text Flip 8.0.10 ComponentPac Release Notes

About This Release

This update includes the following:

- New features and bug fixes for Timed Text Flip and Timed Text Conform
- Note that Vantage Cloud Port supports Timed Text Flip. Cloud Port enables the ability to place certain actions into a mode where their execution will take place within containerized micro-services in the cloud. For more information, please visit our Vantage Cloud Port information page: https://www.telestream.net/vantage/vantage-cloud-port.htm

Installation

This ComponentPac update can be installed on Vantage systems running Vantage 8.0. *Please test this update in a lab environment before deploying in production.*

Secured Version Control App Note:
http://www.telestream.net/pdfs/app-notes/app_Secured_Version_Control.pdf

New features this Update

- SUB-1813 When the Retiming filter is disabled, the new default behavior is now to pass through the source timecode as-is with no adjustments. In workflows created under previous versions of TT Flip, the default behavior was to ripple the hours value down to zero.

    Workflows created in previous versions that are not upgraded to TT Flip 8.0.10 or later will continue to run under the older componentpac version and will continue to have the same behavior as before.

    When creating a new workflow after installing TT Flip 8.0.10, or upgrading an existing workflow to use TT Flip 8.0.10, if you want the same behavior as prior versions, you must enable the Retiming filter and set the Starting Timecode option to "Nearest hour to zero".

- SUB-1847 Added support for up to 32 audio tracks in Media inputs/outputs
- SUB-1652 Added new "Omit style tags" option to SRT and WebVTT exports
- SUB-259 Added new "Omit cue settings" option to WebVTT export (this will also combine split captions/subtitles into single cues)

- SUB-1832 Added IMSC 1.1 profile option and other IMSC settings to TT Conform

Fixed in this Update

- SUB-1828 Fixed decoding of some upper ASCII characters read from Chinese 890 files
- SUB-1823 Fixed decoding of Chinese PAC files
- SUB-1809/1748 Fixed unnecessary word wrapping when rendering some formats such as SRT or WebVTT to a subtitle overlay
- SUB-1805 Outputting to iTT files from a NDF source will now correctly preserve the NDF flag in the output file
- SUB-1803 Fixed timing of NDF Cheetah CAP files when output to 23.976fps SCC
- SUB-1757 Improved translation of source horizontal positioning into Teletext outputs (EBU-STL in Teletext mode, Teletext OP-47 / OP-42, DVB-Teletext).

Known Issues

The following are known issues in this release, which may be fixed in a future Vantage or Vantage component release

SUB-1425 When running in Cloud Port mode, DCP subtitle files which link to PNG image files using relative file paths will not process correctly because the PNG files do not get localized to the cloud.

SUB-1274 When encoding 608 captions, and the source contains an em dash in column 32, the em dash may be encoded in a way that not all caption decoders will decode it correctly. It is not recommended to place an em dash in column 32.

SUB-1024 Minor differences in font rendering may be seen when comparing subtitle overlays made in cloud mode versus the same action run on premise. This can include small variations in positioning, word wrapping, font anti-aliasing, etc. Some features such as support for vertical subtitles and Ruby annotations do not work in cloud mode, and will be addressed in a future update.

SUB-1043 If the Font parameter is bound to a variable and the job is run in cloud mode, the font will not be verified as being available in cloud mode. If the job is run with a variable that specifies a font that isn't available in cloud mode, a different font may be substituted without warning.

SUB-1058 When running in cloud mode and outputting to Subtitle Overlay, all text in a region will be drawn with the same text outline setting. Some sources such as TTML may specify different text outlines in the same region, but in cloud mode, only the first text outline setting from each region will be used.

SUB-927 When encoding Teletext, the maximum number of characters per line is 35 (when double height mode is enabled) or 36 (double height mode disabled). Subtitle sources with more than this number of characters will encode to Teletext but lines of text that are too long will be truncated.

SUB-614 When outputting SRT, some timecode results are different from MacCaption SRT files

SUB-794
When rendering Arabic text to a subtitle overlay, ensure you select a font that supports all Arabic characters. Some fonts (e.g. "Arial") may not support all Arabic characters correctly.

SUB-805
Certain customer-provided transport streams containing DVB Subtitles are failing to read as an input source in this version of Timed Text Flip.

SUB-747
Converting certain source files such as Spruce STL input to an EBU-STL output may fail with an error in the subtitle converter. This is because EBU-STL output only supports certain exact frame rates which may be different from what is contained in the source file. Workaround: Enable the Frame Rate Conversion filter, and set the EBU-STL output to the desired frame rate (typically 25.0 or 29.97).

DVB Subtitle Output – General issues
Certain combinations of settings such as high resolution (greater than 720x576), high color depth (greater than 16), or certain font effects such as large font size, drop shadow, etc. can cause DVB subtitles to exceed the bitrate that will fit into the final transport stream after muxing with video & audio in IPTV. Care should be used to select settings that do not exceed the available bitrate in the stream.

SUB-547
If a specific font is selected for the Font setting in Subtitle Overlay, and that font is not available for use on a node, the job is expected to fail. However on Windows Server 2016 we observed that the job may hang instead. Using -> Control Panel -> Appearance and Personalization -> Fonts -> Download fonts for all languages -> Now the workflow completes jobs without hanging.

SUB-563
Can't decode Teletext from a Media Input and output to TTML SMPTE-TT 2052 profile
Workarounds: Select IMSC 1.0 profile instead, or, use a two-step process to output SMPTE 2052: TT Flip action with Media input to TTML output (IMSC1 profile), followed by another TT Flip action with TTML input to TTML output (SMPTE 2052 profile).

SUB-564
Can't decode Teletext from a Media Input and output to SCC or MCC
Workaround: To convert from a Media source with embedded Teletext to SCC or MCC output, use a two-step process: Create one TT Flip action with a Media input and a TTML output (set to read a Teletext page as the source channel), then, create a second TT Flip action with a TTML input and a SCC or MCC output.

SUB-458
Converting Lambda CAP to TTML combines two vertical text regions into one text line. Workaround: Does not occur when using TTML profiles IMSC 1.0 or iTT (which both support vertical regions properly). Only an issue when using Default/Basic TTML profile which do not support vertical text anyway.

SUB-451

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Attempting to create UHD or 4K DVB ts results in 'Argument out of range error'

SUB-449
Overlay text extends outside the text box in several character sets

SUB-440
Some PAC files cause intermittent job failures when the wrong language is selected going to Subtitle Overlays

SUB-428
Some PAC files cause job failures when the wrong language is selected going to DVB Subtitles

SUB-423 / SUB-461
Captions with complex wipes produce unusable DVB outputs not compatible with IPTV. DVB subtitle streams with peak bitrates significantly higher than the maximum 400kbps will trigger buffer errors on mux. Users may choose to generate potentially non-compliant transport stream files by disabling the option to "Treat Buffer Underflows/Overflows as Errors"

SUB-415
Timed Text font scales outside the title safe background box when scaling font to 200% or greater

SUB-396 - Timed Text: TTML source job may fail if the 4 line limit for CEA-608 captions is exceeded.

SUB-232 - When using a source that specifies background boxes by default (e.g. closed captions), if you change the font to one that draws larger than the default monospace font, parts of some characters may be drawn extending outside of the background boxes. Suggested workaround: When using a source that specifies background boxes by default and you override the font, you should also enable the "Background Color Override" checkbox and specify the desired background color and opacity. This will resize the background boxes to better fit the specified font.

When using a source that contains paint-on or roll-up captions, and using a proportional font (e.g. Arial Black) without a font outline override and without a background color override specified, you may notice the text characters shift positions slightly from one frame to the next. Suggested workaround: When using a source that contains paint-on or roll-up captions, use the default monospace font (e.g. Courier New). Or, if you must specify a different font, you should also enable the font outline override and set a non-zero font outline size.

SUB-225 - Some .GXF files may contain non-supported caption encoding that will result in garbled captions during timed text extraction from input Media.

SUB-178 - Subtitle Overlay output does not export non-square pixel resolutions such as 1440x1080. Must export full raster 1920x1080 and down convert.

SUB-159 - Currently, input media in.LXF containers are not supported in Same as Source outputs for caption data insertion.