

## Release Notes for Transcode, Transcode Pro in Vantage 6.0

### About This Release

The Vantage 6.0 release includes updated components for Vantage Transcode, Transcode Pro products. This release includes a number of format additions, as well as several bug fixes. Some of these updates may also affect the Flip Decoder input option of the Multiscreen Flip action and the IPTV VOD Flip Action.

*Note: The Vantage 6.0 release includes Media Transcoding & Analysis release 2013.16*

### Installation in a Vantage Environment

Updated Transcode and Transcode Pro components are automatically installed as part of a Vantage 6.0 installation.

**Note:** If your maintenance has expired and you upgrade your Vantage system, it will not function after the upgrade. Vantage 6.0 requires you to obtain a new license from Telestream if your maintenance expiration date is **September 1st, 2013 or earlier**. Your maintenance expiration date can be found in the Licenses section of the Vantage Management Console, or you can contact [license@telestream.net](mailto:license@telestream.net) to verify that your maintenance is current and to obtain the new license.

### **! NOTE: Please test before upgrading your production environment**

It is always advisable to run a separate copy of this new build, staging your production workflow in a test environment, before updating your Vantage production server. Telestream can provide you with a limited license in order to configure and qualify this new release in a test environment prior to upgrading your production server. For assistance email Telestream Support [support@telestream.net](mailto:support@telestream.net) or call our technical support team at 877-257-6245 (North America), +1-530-470-2036 (Europe, Africa and the Middle East) or +1 530-470-1300 (International)

## New Features in this Release

The following new Transcode, and Transcode Pro features are available in the Vantage 6.0 release.

### Red Decode

The ability to decode RED Cinema R3D files has been added to Vantage Transcode.

### DPX Decode

The ability to decode DPX sequences has been added to Vantage Transcode.

### Flip Action upgrade

Flip actions from previous versions can be upgraded by right-clicking and selecting "Upgrade". The title of Flip actions from previous versions is italicized.

### 24 to 25 FPS Frame Rate Conversions

The ability to convert between 23.976 and 25 FPS frame rates by speeding up or slowing down audio and video has been added to Vantage Transcode.

### Decoder Selection

The user now has the ability to specify what decoder should be used to decode the source.

### AVC Intra encoding performance

The speed of AVC Intra encoding has been greatly improved in Transcode and Transcode Pro in Vantage 6.0.

### MXF Encoder

The following features and improvements have been added to the MXF Encoder in the Flip Action:

- Added support for 10 channel audio for XDCAM HD and Generic OP1A containers.
- Added support for Stereo Audio Tracks in the XDCAM HD Container
- Added support for the new MXF AVC Proxy format.
- Added support for creating MXF RDD 09 version 2 (XDCAM SXS) file structures.

### AAF Encoder

The following features and improvements have been added to the AAF Encoder in the Flip Action:

- Added support for 14:1 and 10:1 proxies.
- Added support for H.264 proxies for SD clip formats.
- Added support for up to 16 channels of uncompressed audio.

## Pro Res Support

The following features and improvements have been added to support ProRes workflows in the Flip Action:

- ProRes 4444 Direct Convert is now supported in the Final Cut / Avid QuickTime Encoder Capability
- Added ability to specify custom frame sizes for ProRes 422 in the Final Cut / QuickTime NLE Encoder

## Audio and Video Filters

The following features and improvements have been added to the Audio and Video processing filters in the Flip Action

- A new Closed Caption Burn-In filter allows 608 closed captions from the source to be burned into the output video as text strings
- A new Multi-Audio Overlay filter has been added allowing overlays from multiple source files in a single filter.
- Custom crop and pad controls have been added to the Tachyon Video Processor option.
- Timecode burn-in filter now allows burn-in of an additional two user bindable TimeCodes.
- Civolution NexGuard Watermarking is now available in Multicore and Lightspeed Video Processors
- Inverse Telecine filters can now accept a hint Timecode indicating Cadence start point (Multicore and Lightspeed Video Processors only).

## AS02 Support

The following features and improvements have been added to support the AMWA AS02 file format.

- Ability to decode AS02 with MPEG-2 video has been added.
- Ability to decode AS02 with JPEG2000 video has been added.
- Support for AS02 with JPEG 2000 video as a source for TSEDL workflows has been added.
- Support for creating AS02 packages with JPEG 2000 video has been added.

## QuickTime

Improved ability to control language tags when making QuickTime files with multiple audio tracks has been added to the Final Cut / Avid QuickTime encoder.

## *Avid Support*

Vantage 6.0 has been qualified for Avid workflows with Interplay Version 2.7, this includes:

- Sending content from Avid to Vantage environments via Send to Playback
- Ingesting content from Vantage via Avid Transfer Manager
- Sending content to MediaComposer and Interplay using the Avid AAF encoder

## Fixed in this Release

The following reported issues have been verified as fixed in Vantage 6.0:

- TXC-4204: XDCAM SD outputs now compatible with XDCAM Deck
- TXC-4137: Fixed issues decoding a variety of P2 source files
- TXC-4126: QuickTime DV/DVCPRO HD High Quality flag is now set on all outputs
- TXC-4115: Fixed A/V Sync issue for certain Javelin source files
- TXC-4075: Avid Created AVC Intra QT sources now decode
- TXC-4071: Video only MP4 files are created correctly
- TXC-4063: Direct Convert of Mpeg-2 PS source not direct converting audio
- TXC-4039: 320x240 TIFO from Agility will now flip
- TXC-4033: Keyframe encoder now works with AVC MP4 source files
- TXC-4031: Dolby E Decode: passing through/decoding same stream now works
- TXC-4030: A/V Sync issues for new PitchBlue files have been resolved
- TXC-4011: QuickTime AVC Intra 720p 25 Source now decodes
- TXC-4002: Media Trim Filter no longer causes one frame extra before media start time
- TXC-3981: TIFO encodes now complete successfully when using customers MXF OP1a IMX sources
- TXC-3962: Fixed timecode detection in certain MTS files
- TXC-3953: Added Aspect Ratio option within the DVCPRO encoder of P2 MXF Stream
- TXC-3941: Corrected Timecode for FCP 720p60 outputs
- TXC-3939: Fixed detection of 608 captions from FCP progressive outputs
- TXC-3927: Fixed playout of MXF IMX50 Direct Convert outputs
- TXC-3906: MXF Encoder now allows more than 8 channels of audio
- TXC-3865: MXF DVCPRO50 source now transcodes with Tachyon VPL
- TXC-3864: Fixed issue where Transport Stream files would double in size after a direct convert
- TXC-3861: Text Overlays now display correctly
- TXC-3859: H.264 and IPTV encodes no longer crash with high video bit rates
- TXC-3850: VOD encoder can now create multiple audio streams with same Nielsen watermark
- TXC-3816: AAF AVC Intra Direct Convert now succeeds with FCP/Avid QuickTime AVC Intra source
- TXC-3808: Fixed corrupted frames for MPEG2 PS sources trimmed by TSEDL
- TXC-3807: Fixed A/V sync issue for MPEG2 PS sources trimmed by TSEDL
- TXC-3803: VOD HD encode with captions now passes Manzanita Analyzer tests
- TXC-3772: Send to Playback AVC Intra TIFO will now direct convert to AAF AVC Intra
- TXC-3766: QuickTime AVC Intra will now direct convert successfully
- TXC-3753: AAF>AVC Intra Direct converts succeed with 720p P2 sources
- TXC-3752: AAF>AVC Intra Direct converts succeed with 1080p30 P2 sources
- TXC-3737: Avid Send to Playback TIFO IMX source video will now decode
- TXC-3736: Avid Send to Playback TIFO DVCPROHD progressive sources now decode
- TXC-3730: EDL file referencing sources with audio stereo pairs when used as input will now produce an output with the audio correctly mapped
- TXC-3728: Avid Created AVC Intra QT source will now direct convert
- TXC-3723: Added 23.98 Frame Rate for AVC Intra in AS-02 MXF container
- TXC-3722: Added 23.98 Frame Rate for AVC Intra in Final Cut / Avid QuickTime Encoder

- TXC-3717: Alpha Channel is now correctly remapped in the Color Remap Process filter
- TXC-3716: Video Fade In/Out filter is fixed in the RGB VPL
- TXC-3713: 337M audio insertion now allows up to 16 source files
- TXC-3700: SCC Generation in flip action fixed for specific Mpeg2-PS source file
- TXC-3690: Fixed performance degradation for certain PitchBlue workflows
- TXC-3687: Can now make MXF DVCPProHD with 10 audio channels
- TXC-3684: MXF Application Specification product with AS11 now encodes with 16 ch audio
- TXC-3681: Fixed H.264 white frame w/streaming enabled
- TXC-3678: Fixed "DVB Style PMT Descriptor" checkbox
- TXC-3675: AAF H.264 Proxy w/ Tachyon VPL now encodes successfully
- TXC-3632: Fixed A/V Sync issues when doing Media Trim on certain GXF sources
- TXC-3628: Keyframe encoder no longer hangs with Avid Playback TIFO file sources
- TXC-3623: We can now decode some Omneon sources w/ AC3 audio
- TXC-3622: Output timecode when doing Media Trim with DNxHD Direct Convert is now correct
- TXC-3610: P2 MXF Stream DVCPProHD 720p encodes now succeed
- TXC-3598: KeyFrame Encoder now works with Pipeline generated TIFO IMX30 sources
- TXC-3562: Specific Snapstream source file now transcodes
- TXC-3540: Fixed obscure GXF duration issue
- TXC-3465: Fixed A/V Sync issue when transcoding MAV70 files to MXF D-10
- TXC-3463: Allowed lower bit-rates in MP4 encoder
- TXC-3461: Fixed Nielsen Watermark filter crash
- TXC-3455: Improved Audio handling in the QT decoder
- TXC-3445: Added support for AVC Intra Direct Converts in the AAF encoder
- TXC-3434: Fixed extra audio packets at end of System stream encoder output files
- TXC-3420: Fixed DNxHD 99% transcode failure on Omneon HD workflow
- TXC-3403: No artifacts when H.264 encoding on customers TIFO sources with 16 bit VPL
- TXC-3335: Improved Jpeg2000 decompression in the 360 MAXX HD decoder
- TXC-3320: Added 2398 Frame Rate to Avid 1:1 Codec
- TXC-3316: AVC HD MTS files no longer hang/fail on transcode
- TXC-3315: Fixed A/V sync issue going from Mpeg2 PS 23.98 source to H.264/MP4 @ 23.98
- TXC-3307: Final Cut Trimmed file (from Omneon) no longer drops captions when Transcoded
- TXC-3304: Timecode overlay filter now correct with 59.94 sources
- TXC-3295: Transcoding 1080i source to 720P 4:2:2 60 frames/sec in Avid TM/TE XDCAM 422 no longer causes a failure
- TXC-3289: MXF encoder no longer preserves audio when no audio stream selected
- TXC-3283: Avid - AAF - DNxHD 1080p 36 23.976 & 25 now show correct "Video" formats in Media Composer
- TXC-3280: H.264/IPTV multipass no longer crashes in YUV/LS modes
- TXC-3279: Added Video Fade-In and Fade-Out Filter to Lightspeed and Multicore VPLs
- TXC-3275: Fixed ProRes decompressor color space for SD sources
- TXC-3261: Correctly preserve start TimeCode going to GXF DV 50 from LXF source
- TXC-3257: MXF Application Specification AS02 JPEG2000 progressive encodes now complete
- TXC-3254: Vantage now successfully decodes some specific MPEG2-PS files
- TXC-3248: Transcodes now complete when using customer's CFG file

- TXC-3246: Omneon created XDCAM 4:2:0 108060i WFP EDL output no longer has A/V sync issues
- TXC-3228: Added aspect ratio selection in P2 SD (DVC)
- TXC-3227: Seachange decoder is now reading timecode from Seachange BML outputs
- TXC-3226: Tachyon mode Omneon transcodes no longer hang when Omneon user data creation is checked
- TXC-3198: All Final Cut/Avid QuickTime codecs now have 608 and 708 Caption options
- TXC-3190: AAF DV25 8-bit(rgb) memory leak with QT ref XDCAM sources has been corrected
- TXC-3189: Added smooth transition option for Motion Adaptive Deinterlacing
- TXC-3186: Fixed issue decoding certain GXF files
- TXC-3185: Start timecode preserved as expected going to FCP 720p60 outputs from P2 source
- TXC-3180: Can now decode AS02 MPEG2 files generated by our encoder
- TXC-3168: LXF and Omneon AVC Intra 720p60 encodes no longer lose one frame with Multicore / Lightspeed VPL
- TXC-3165: Fixed Issues with decoding of SnapStream source files
- TXC-3161: We now allow lower VBV Max Bit Rate values for x264
- TXC-3159: We now support 48 Kbps audio bit rate for AAC
- TXC-3140: MP4 Encoder will now allow Direct Insert of an AC3 stream with another type of audio stream
- TXC-3116: DVCPPro MXF Op1A files now play on Omneon
- TXC-3112: Improved performance of TIFO decoding off ISIS storage
- TXC-3106: Added option to AAF Encoder to delete AAF files from ISIS after Interplay transcode complete
- TXC-3075: Added ability to insert silence before an audio overlay
- TXC-3071: Field 2 captions are now preserved when decoding captions from VBI line 21 in YUV mode
- TXC-3066: Added support for additional MPEG 2 GOP Structure in GXF
- TXC-3065: VANC synthesis now working for SD GXF
- TXC-3064: Up-convert from GXF source now preserves VChip data
- TXC-3063: Added additional resolutions to MPEG2 PS encoder
- TXC-3059: Added support for AS02 Wrapped J2K black frames to the EDL decoder
- TXC-3058: Fixed audio trimming bug with QuickTime source files
- TXC-3037: Corrected timecode preservation for QuickTime 720P 59.94 sources
- TXC-3025: Fixed decoding of customer MPG2 renders from Cinegy
- TXC-3019: SC2 caption insertion now completes successfully in flip action
- TXC-3018: DVCPPro with Embedded Audio container DV50/DVCPPro50 is now labeled with correct bit rate
- TXC-2989: Fixed issue where Precharge frames and post roll frames were not being trimmed out of Omneon sources with the Omneon Decoder and Media Trim filter
- TXC-2982: System Stream encoded MPEG1 no longer has duplicate first frame
- TXC-2972: Added black level color selection for inserted frames in Media Expansion filter
- TXC-2958: Added AES 16-bit audio support to VOD encoder
- TXC-2953: Omneon files now work correctly with Windows Monitor
- TXC-2933: Added option to select Interlaced or Progressive in WMV codecs (VC-1)
- TXC-2928: H.264 product outputs no longer have white frame after transcoding MXF XDCAM HD 422 source file

- TXC-2921: H.264/MP4 outputs transcoded from Long form XDCAM 422 MXF no longer have video freeze on playout
- TXC-2902: XDCAM source with Timecode that goes past Midnight will no longer fail on MXF XDCAM Direct Convert
- TXC-2895: Fixed sync issues with ProRes HD 23.98 source transcoded to H.264 1080p M4V output
- TXC-2881: Fixed Ancillary data preservation from older GXF files
- TXC-2835: Fixed issues with 608 to 708 scc up-conversion and French accented characters
- TXC-2816: Vantage: Omneon IMX is now backwards compatible
- TXC-2802: Tachyon mode transcodes are no longer losing frames
- TXC-2799: Fixed minor A/V sync issue when going from GXF 720p to GXF DV50 SD
- TXC-2748: Can now do multi track AC3 insertion in MP4 encoder
- TXC-2739: Direct Converts no longer crash when Tachyon mode is selected
- TXC-2734: Fixed issue with Media Trimming if Trim Start TC is equal to SOM TC
- TXC-2712: Fixed VANC preservation issue from MXF sources
- TXC-2690: Fixed A/V sync issue when decoding specific customer source
- TXC-2619: MXF Sony XDCAM PAL transcodes no longer crash when SMPTE 436 track is checked
- TXC-2606: Added H.264 720p proxy support in AAF Encoder
- TXC-2602: Fixed byte alignment / padding in MXF encoder SMPTE 436 VANC track
- TXC-2552: Increased max bit-rate for x264 in Flip action
- TXC-2548: Transcoding of customer's specific source to Matrox HD no longer fails
- TXC-2445: MSS files now play on newer MediaStream (C2030)
- TXC-2339: Added Nielsen signature file generation
- TXC-2306: Harris LXF direct converts of DVCPro50 sources no longer puts black lines over video
- TXC-2292: Added support for decoding MTS files with LPCM audio
- TXC-2264: Fixed aspect ratio issue when using MainConcept CFG files for H.264
- TXC-2239: Fixed PitchBlue A/V Sync issue with decoding Dolby E
- TXC-2219: Fixed issue with certain sources where transcode hangs if 'source timecode burn-in' is enabled
- TXC-2176: Fixed caption sync issue when using Tachyon VPL
- TXC-2123: Transcodes from QT wrapped IMX 50 source is now frame-accurate
- TXC-1989: Transcoding of customer's Seachange SAF sources to QT ProRes no longer fail
- TXC-1920: AAC bit-rate is no longer limited to 320 Kbit/sec
- TXC-1759: QT MOV XD5C can now be Direct Converted to FCP XDCamHD422
- TXC-1618: Pipeline 1080i DNxHD TIFO sources now direct convert to Avid AAF encoder
- TXC-1229: Avid TM encoder now supports more than 8 audio channels

## New Known Issues in this Release

The following new issues have been reported since the Vantage 5.0 Release:

### General Transcoding Issues

- TXC-4220: TIFO to MP4 H.264 transcodes with fast start option enabled end up with 1 KB files
- TXC-4215, TXC-4200: Avid QT reference source files are broken with QT Dib Decoder
- TXC-4210: WMV source transcoded to H.264/MP4 w/ stereo audio hangs @ ~25%
- TXC-4209: LXF files won't play out on Nexio hardware and software version 1.5
- TXC-4206: Dropped captions after transcode from PitchBlue source
- TXC-4203: Certain Customer Mpeg-2 PS source files won't Identify Video Codec
- TXC-4201: Quality issue with certain MPEG2 HD422 Encodes
- TXC-4195: Certain DG 720p sources will crash or produce bad captions when converted to 1080i
- TXC-4194: Lip Sync issue with PitchBlue content and TSEDL files
- TXC-4190: MPEG-2 Elementary Stream encoder creates wrong file references on path preservation
- TXC-4189: The field order is acting differently between Legacy, Multicore and LightSpeed in the 360 MAXX HD encoder
- TXC-4184: SCC Extraction of Field 2 captions generates unwanted characters on SCC output
- TXC-4182: Black Detection w/ Consider Audio enabled gives incorrect Segment End time values
- TXC-4180: Avid AAF timecode is intermittently incorrectly set.
- TXC-4172: MXF AS-11 output cannot be imported to DPP Metadata Application
- TXC-4155: Captions are no longer preserved by default from DNxHD user data (Contact Telestream support for a work around).
- TXC-4145: Summary elements on FCP outputs occasionally report only 1 audio channel
- TXC-4144: MXF XDCAM source causes hanging AS-11 encoder
- TXC-4143: Identify filters are not properly detecting audio media properties of Agility TIFO files
- TXC-4142: VANC examine filters are not detecting AFD or captions from Agility TIFO files
- TXC-4138: Certain DVCPRO HD MXF source file fails to transcode
- TXC-4128: MXF DNxHD Direct Convert output fails to import into
- TXC-4118: Examine doesn't detect Omneon AFD from Vantage created files
- TXC-4072: WMV 2pass encoding of long assets (over 2 hours) aborts due to inactivity timeout
- TXC-4064: Progress bar stays at 0% during Transcode of PitchBlue sources
- TXC-4010: Encoding to MXF AS02 - JPEG2000 crashes when using Tachyon Video Processor.
- TXC-4009: 360MAXX encoder fails when using Tachyon Video Processor
- TXC-4003: MXF XDCAM HD 4:2:2 Direct Convert outputs do not play correctly
- TXC-3982: Multi-Core VPL hangs on Source Timecode Burn-in with Mpeg Source file
- TXC-3971: Identify does not detect several Media properties on MXF wrapped XDCAM HD
- TXC-3964: Identify does not read XDCAM codec information
- TXC-3955: MXF DVCPRO HD Harris Source file fails to Identify/decode
- TXC-3948: GXF 1080 down-converted to GXF SD DV shows artifacts and color shifts on text
- TXC-3944: Blocking artifacts when creating MXF XDCAM HD 422 output
- TXC-3943: Black Detection will only return values for black segments in the first hour of content
- TXC-3938: MXF DNxHD 23.976 outputs won't import into Avid

- TXC-3934: Multi Audio overlay loses audio channels
- TXC-3922: Identify Aspect Ratio is incorrect on 16x9 AVI source file
- TXC-3921: AVCHD MTS source files w/ AC3 decode slowly and often timeout/fail
- TXC-3911: Omneon QT MPEG-2 720p60 timecode being decoded incorrectly
- TXC-3909: Timecode from XDCAM EX source not propagating correctly to output or timecode burn in
- TXC-3907: VITC burn-in broken in all processor modes
- TXC-3902: Issue decoding WMV1 source file
- TXC-3867: wav file that use WAV\_FORMAT\_EXTENSIBLE cannot be decoded
- TXC-3856: Poor video quality of MP4 outputs at low bitrates
- TXC-3853: Vantage AAF Encoder Interplay output longer than 2 hours is not playing in Interplay Access and MediaComposer
- TXC-3846: QuickTime DNxHD 23.976 output Timecode is incorrect.
- TXC-3821: Vantage DNxHD MOV outputs won't "fast import" into Avid Media Composer
- TXC-3813: Blocking artifacts when transcoding DNxHD to XDCAM HD422
- TXC-3809: IPV Spectreview output does not create idx3 and idx4 if Specify Multiple Languages is enabled
- TXC-3806: Decode speed for AVC-I 100 HD P2 files appears slow
- TXC-3797: WMV Two-Pass CBR results in dropped frames
- TXC-3755: Missing Avid AAF Interplay output causes a binder viewer error and subsequent actions to fail
- TXC-3746: Certain Mpeg2 PS Direct Converted to VOD produces a progressive A/V Sync issue
- TXC-3711: Can't Create AAC Audio only MP4 files
- TXC-3694: MXF Application Specification Encoder fails trying to make JPEG 2000 in Tachyon Mode
- TXC-3693: AS02 JPEG2000 bit rate controls do not affect changes in the video bit rate
- TXC-3685: Encodes to MXF Op1a 720p60 are adding an extra black frame at the end of clips
- TXC-3683: AAF Encoder hangs forever with specific source
- TXC-3682: Channel mapping is broken on H.264 product
- TXC-3665: XDCAM HD output created by TSEDL produces a/v sync issues
- TXC-3647: Some Omneon files will not transcode to FCP DVCPHD 720p if 708 captions are enabled
- TXC-3636: Audio Fade in/out doesn't work with Audio only source to Audio only outputs
- TXC-3634: Burning in Hebrew subtitles will cause mirrored numbers
- TXC-3616: Expected P2 MXF encoder output files are not present
- TXC-3606: Customer's Mpeg source has A/V Sync after transcode
- TXC-3603: Nexio DV SD Transcoding to Omneon SD loses Captions
- TXC-3569: Scrambled or missing captions on Tachyon IPTV encodes
- TXC-3560: Issues decoding certain QT ref files
- TXC-3556: Resize filter in YUV VPL doesn't correctly pad for Letterbox with certain sources
- TXC-3529: The default field order option is incorrect for the 360 MAXX HD files selecting output field order of Lower Field First fixes the issue.
- TXC-3527: Field order option not available for Grass Valley MXF format
- TXC-3520: A/V sync issue applying Media Trim filter to MXF wrapped XDCAM HD422 sources
- TXC-3462: Avid SD IMX 30 via QTR to SD GXF not preserving CC
- TXC-3448: Transcoding of MXF IMX to H.264 with Media Expansion crashes

- TXC-3446: Crushed Whites/Lifted Blacks after transcoding MXF J2K source to ProRes SD
- TXC-3436: Omneon QT Direct Convert 'User Data Creation' box does not preserve captions
- TXC-3421: Transcoding AVC/MP4 sources with 1080@59.94 Progressive frame rate, creates an output with double the playout speed
- TXC-3402: Progressive Sync issue on ProRes 1080@29.97i to XDCAM MXF 1080@23.976p transcode
- TXC-3399, TXC-3392, TXC-3383: Issues when direct converting XDCAM and DV to Avid AAF encoder
- TXC-3365: IPTV/H.264 multi-pass crashes with QT sources
- TXC-3355: Specific GXF source with MPEG-2 HD cannot be flipped
- TXC-3309: 16 Bit Windows Media Audio WMA contains 24 Bit for some bitrates
- TXC-3293: MXF XDCAM UI audio only lets you select a minimum of 4 channels
- TXC-3292: Captions are lost if Source File has a Bumper/Header without a caption track
- TXC-3277: Caption insertion fails with SCC files with "Byte Order Mark" at start
- TXC-3203: AAF Encoder - DNxHD 36 1080p @ 23.976 & 25 gives error in Media Composer
- TXC-3196: Issue decoding captions from an SD GXF source file
- TXC-3192: Video only WMV/VC-1 source file fails going to Flash9 or WebM codecs
- TXC-3179: AAF encoder issues with Unicode filenames
- TXC-3176: Random Failures within Examine & Flip actions on customers Source AVC Intra MOV files
- TXC-3172: Decoding GXF 1080i source has A/V Sync on output
- TXC-3163: H.264 encode fails on IMX50 TIFO sources from Avid playback service
- TXC-3147: TSEDL output will lose first GOP instead of the first frame
- TXC-3123: Doing a DNxHD encode with the Final Cut/Avid Encoder, alpha channel is added to output file
- TXC-3119: ProRes 4:2:2 source hangs in Avid AAF>AVC Intra>Avid Interplay/Media Composer workflows
- TXC-3100: Intermittent missing essence in last frame of MXF XDCAM output
- TXC-3096: TSEDLs referencing P2 AVC Intra MXF files cannot be direct converted with MXF Application Specification AVC Intra Direct Convert codec
- TXC-3067: ProRes & XDCAM Final Cut direct converts not retaining Field Dominance for FCP ingest
- TXC-3011: Flash VP6 set to Multithread, will fail within Multi-core VPL
- TXC-2995: A/V sync issues when transcoding ReutersSat sources
- TXC-2991: Can't extract video from a particular MP4 source file

## Other Known Issues in this Release

These are reported issues from the Vantage 5.0 release that have not been verified as fixed in Vantage 6.0.

### General Transcoding Issues

The following general transcoding issues have been reported:

- TXC-2767: Transcode of Video-only Mpeg 2 Program Stream files fails
- TXC-2742: Issues with TSEDs referencing DV essence clips
- TXC-2740: Flip actions with Source Timecode Burn-In enabled hang when processing MOV sources
- TXC-2689: Timecode is not extracted correctly from XDCAMHD sources with a SMPTE 436 VANC track
- TXC-2608: FCP Direct Convert of ProRes 1080@23.98 video leads to A/V sync issue
- TXC-2528: Text Overlay filter not working correctly on Windows Server 2003 R2 x64
- TXC-2518: Seachange BML encoding is very slow
- TXC-2517: 16x9 Aspect Ratio Flag is not correctly set for Omneon IMX, MPEG and DV encodes
- TXC-2506: Errors delivering MXF IMX 30 and IMX 40 files to Sony XDCAM Drive
- TXC-2435: Burn-in timecode is not working when going to QuickTime H.264
- TXC-2422: MXF DVCPProHD encode is creating one additional track
- TXC-2396: IPTV/x264 with Lightspeed video processor creating bad outputs on Full Raster 1080 outputs
- TXC-2289: K2 MXF D10 transcoding to WMV randomly produces files without audio or with corrupt video
- TXC-2272: MXF/IMX files fail to produce audible audio when 8 channels of audio is selected
- TXC-2237: A/V sync issue using FCP H.264 Configuration File Import Encoder
- TXC-3134: Issues Decoding 720P AVC-Intra from MXF sources
- TXC-3123: All DNxHD MOV outputs show alpha channel present in Avid Editors
- TXC-3100: Intermittent errors writing MXF XDCAM output to Sony PDW-U1
- TXC-3096: Direct convert of P2 AVC Intra sources to AS-02 and AS-11 output fails
- TXC-3011: Multithread Flash VP6 encodes will fail when using Multi-core Video Processor
- TXC-2973: Issue with SMPTE 2052 file creation
- TXC-2959: SAF files fail to direct convert to Seachange encoder
- TXC-2922: RGB broadcast levels option in Color Space filter is not being applied when selected
- TXC-2915: Captions decoding & VITC Synthesis don't work with Multicore and Lightspeed video processors
- TXC-2908: Crash when Direct Converting AVC Intra sources to GXF
- TXC-2901, TXC-2900: Issues with field order detection in Examine
- TXC-2891: IPTV encoder MPEG-1 Layer 2 direct converts always fails
- TXC-2880: Omneon AS-02 AVC Intra 720p60 50Mbit doesn't play out on the Omneon server
- TXC-2868: Output file duration is incorrect when using QT Interstitials in Media Expansion
- TXC-2860: Issues decoding 720p DVCPProHD from Avid Playback Service
- TXC-2834: Media Expansion "Insert Black Frames" have high luma values
- TXC-2785: Using move action for the P2 Encoder outputs doesn't work
- TXC-2753: TSED files with fills fail to direct convert to DV50 in MXF encoder
- TXC-2724: Issue preserving XDCAM 4:2:2 captions to GXF HD outputs
- TXC-2685: Quality issues with Grass Valley MXF files
- TXC-2631: When encoding audio at bitrates greater than 192 Kbps in the Flip IPTV encoder, audio may drop out when playing the output stream.

### **Encoder Backwards-Compatibility Issues**

When importing workflows from previous versions of Vantage, new features will *not* appear in your Flip actions unless you rebuild them. Generally, however, these actions will still function correctly.

The following actions have known issues with backwards compatibility and should be re-built when upgrading from versions prior to Vantage 4.0

- TXC-1479: Smooth Streaming Encoder is not backwards compatible.

### **Smooth Streaming Encoder**

Microsoft Smooth Streaming DRM does not work on older operating systems. DRM encryption libraries from Microsoft only work on Windows Server 2008; please upgrade to this OS if you require PlayReady DRM encryption for Smooth Streaming. ***For Encoding for Smooth Streaming and other Adaptive Bitrate formats we recommend using Vantage Transcode Multiscreen***

TXC-1375 – Smooth Streaming encoder does not support Asian characters in the file names.

### **QuickTime 7.7 Issues**

Issues have been reported when using the Apple 3GP and Apple MPEG-4 encoders with QuickTime version 7.7 – note that Telestream recommends using QuickTime 7.6.9 as the preferred version. Issues have also been reported on systems where QuickTime version 7.7 has been installed, even after reverting the QuickTime version to 7.6.9.

### **Long Form Content**

The following issues have been reported when encoding long-form content:

- Omneon encode actions time out; increasing the time-out will solve the problem
- Long-running SeaChange BML SD PAL encode actions may time out; there is no known solution
- 360 MAXX encode actions time out; increasing the time-out will solve the problem

### **Final Cut / Avid QuickTime Encoder**

The following are known issues in this Encoder:

- TXC-1249: Minor visual artifacts when encoding to 720p AVC Intra formats

### **H.264 Encoder**

- TXC-525 – This encoder may arbitrarily switch the ordering of audio streams in the output file. If you are creating multi-stream (i.e. Multi-language) .MP4 files, please use the new MP4 encoder instead. Note: We plan to remove this encoder in a future release. Where possible, use the MP4 or IPTV encoders instead.

### **Omneon Encoder**

The following are known issues with the Omneon encoder:

- TXC-1927, TXC-1812: Some direct converts are failing in the Omneon encoder.
- TXC-2817: Direct convert of 24fps DNxHD sources fails.
- TXC-421: Encode to SD Mpeg-2 4:2:2 may cause severe artifacts in the video when encoding to 512 line Mpeg2 outputs.
- TXC-1647: Captions are not preserved transcoding from XDCAM HD with 436M to Omneon SD MOV MPEG-2
- TXC-2607: Enable Omneon user data creation must be checked to preserve timecode.

**VOD Encoder**

(TXC-971, TXC-881) The Transport Stream MPEG-2 user interface allows you to select SCTE-20, Divicom and ATSC captions when encoding 1080 or 720-line HD material. These caption formats are not valid nor supported for HD material, only ATSC/DTV 9600 is supported.

Additionally, attempting to generate a Transport Stream MPEG-2 file with captions enabled will fail if the source does not have captions.

**Asian / Double-Byte Character Sets**

This release significantly improves Asian / Double-Byte support. The following are known issues:

- TXC-2821: HLS encodes fail when using Japanese versions of Windows.
- TXC-2822: Files with Double-Byte filenames do not play on Omneon servers.
- TXC-2823: Files with Double-Byte filenames do not play on Grass Valley K2 servers.
- TXC-2824: Encodes with the Final Cut/Avid QuickTime encoder fail if output file name has double byte characters.
- TXC-2825: Encodes with the Avid Vortex encoder fail if output file name has double byte characters.
- TXC-2826: Encodes with the EVS encoder fail if output file name has double byte characters.
- TXC-1375: Encodes with the Smooth Streaming encoder fail if output file name has double byte characters.

**x264 Video Codec**

The following are known issues with the new x264 codec implementation:

- TXC-1614: Adaptive B-Frame setting does not have any effect on the encoded bitstream.

**EVS Encode**

- TXC-1640: Encoding to 1372x1080 or 1440x1080 will introduce color shifts.

**EVS Decode**

- TXC-1975/TXC-1726: Audio decode issues from certain EVS sources.

**Avid OMF**

- TXC-1367: Encoding to Avid OMF Interlaced 10:1M PAL will hang.

**Avid AAF Encoder**

The following are known issues with the Avid AAF Encoder:

- If credentials, workgroup, or folder names are specified incorrectly, the Vantage job status indicates the encode succeeded, but the file is not checked into Interplay.
- Standalone proxies will not play in Interplay; proxies only work when part of a multi-res clip.
- Timecode format (Drop Frame or Non Drop Frame) must match in the Notify action and all Flip actions in a multi-res workflow.

- If doing a standalone encode, the clip symbol in Interplay window will be broken/partial until the clip is finished encoding.
- Simultaneous encodes to Interplay may not use the same output clip name, one of the files will complete, other(s) will fail.
- Encode output filenames cannot have a space at the end; the file won't get checked into Interplay. An error will not be reported when this happens.
- Creation of Avid H.264 proxies may arbitrarily fail on machines with 32 or more CPU cores. Disabling cores on your server will alleviate the problems, please contact Telestream Support for instructions.

**3GP Encoder**

TXC-1662: The 3GP encoder may occasionally have a delay before it releases an output file. As a result, any subsequent Move or Delete actions may fail. Please use automated retries to resolve the issue.

**Seachange Encoder**

TXC-1644: Converting SD NTSC files to Seachange BML PAL display jerky playback. This can be resolved by instructing the video processor to treat the output as Upper Field First.

**X264 Command Line Limitations**

Some x264 command-line parameters are not supported, and must instead be configured in the Vantage user interface. Examples include: bit rate, frame size, lookahead, output file creation and resizing. Contact Telestream Support if you have questions about a specific parameter.