

# Release Notes



## **MTS4CC Elementary Stream Compliance Checker 071-2076-00**

This document applies to software version 1.0

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# Release Notes

MTS4CC Elementary Stream Compliance Checker is a powerful real time analytical tool to investigate compressed video data that has been encoded using the H.264/AVC, MPEG-2, MPEG 4, VC-1, and H.263 video standards. MTS4CC operates as a standalone software application for use on a personal computer (PC) in a Microsoft Windows environment. It can also be installed on the MTS400 MPEG Test Systems.

These release notes provide the following information:

- Related User Documentation
- Known Issues
- Platforms

## Related User Documentation

The following user documentation supports MTS4CC software version 1.0:

- *MTS4CC ES Compliance Checker User Manual* (English)  
Tektronix part number 020-2753-00  
(includes MTS4CC software CD)
- *MTS4CC ES Compliance Checker Tutorials*  
Tektronix part number 001-1415-00  
(available in the online help and from the Tektronix Web site, [www.tek.com](http://www.tek.com))

## Known Issues

### Long Delays during Installation

Depending on machine performance, installing the MTS4CC software may take several minutes to complete.

### H.264/AVC

The following H.264/AVC stream issues are known:

- An incorrect warning about a repeated SPS is issued if it has been changed in a newly coded video sequence.
- Occasional incorrect warnings are issued about unavailable references for colocated blocks.
- Non 8-bit I\_PCM blocks are not fully supported and may cause incorrect decode errors and visual artifacts.

- Frame timings shown in the summary tooltip for streams with HRD information may be incorrect. This does not affect the HRD calculations.
- There is an artificial limit of 396 on the number of slices that may be present in a picture.

**MPEG-2 Video** Timings for streams that use the `repeat_first_field` flag may be incorrect. Other quantities that are derived from the timing (such as bit rate) may also be incorrect.

**VC-1 Compliant Streams** Some VC-1 compliant streams may not decode due to recent changes in the FCD (Final Committee Draft) 1r2 version of the SMPTE 412M standard (see SMPTE 421M-2006 Television - VC-1 Compressed Video Bitstream Format and Decoding Process).

**ASF** For some streams containing more than one video or audio stream, it may not be possible to select alternative streams for analysis.

**Uncompressed Video** When opening an uncompressed stream, an integer frame rate must be selected.

## Platforms

The MTS4CC software has been verified with the following Microsoft operating systems and security patches:

**Table 1: Verified Platforms**

Operating System	Security Patches
Microsoft Windows 2000	Windows 2000 Service Pack 4
Microsoft Windows XP Professional	SP2
Microsoft Windows XP Home	SP1

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