Technical Note

NV8500 v3.6.3 Release Notes

Overview

ECO 19261 releases NV8500 router applications and firmware that update control cards and IOXM[1] cards. The version assigned to this release is 3.6.3 and its build number is 3038.

This release addresses the following major issues:

Major Changes

None.

Bugs Fixed

- [NV8500-1449] The hybrid routers now support DVB-ASI in the MADI output card.
  Nothing was done to input cards under the assumption that they do support DVB-ASI.
- [NV8500-1446] The SiLabs Si5324 part was taking 15–20 seconds to lock because of component change. This has been corrected. (Normally, it's about 5 seconds.)
- [NV8500-1429] Audio popped during a video-only switch. This has been corrected.
- [NV8500-1314] Embedded Dolby E occasionally left the router delayed by 8–15 lines. This has been corrected.

Known Issues

Many of these issues will be resolved in the next general release.

- [NV8500-1430] In an NV8576-Plus expansion frame, the EM0903 card is reported incorrectly in the 'Module Types' page of MRC.
- [NV8500-1365] Input Monitors are not working properly on NV8144.
- [NV8500-1346] NV8144 input monitors not switching as directed by MRC.
  This duplicates NV8500-1365 above.
- [NV8500-1344] Diagnostic tally fails on audio levels with garbage data in extended status.
- [NV8500-1275] Serial protocols do not work in v3.3.0.
  Serial protocols were removed in v3.5.0.
- [NV8500-1235] The STD RED XPT EM0676-00 reports a comm error (88) when there is no comm error.
- [NV8500-1221] Audio break-in tally is incorrect if the [partition's] controller input start is not 1.
- [NV8500-1208] There are video glitches when a take is done between the Main and Expansion frames.
- [NV8500-1037] There are switching problems in a NV8576 expanded router when using an HRC288 (hybrid redundant crosspoint).

MRC Changes

There were no changes in MRC for version 3.6.3.

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1. IOXM is shorthand for Input, Output, Xpt, Monitor and essentially means any NV8500 card that can be read by a control card, in other words any card but a control card. However, the term IOXM does not (yet) apply to standard NV8500 cards.