

### 8.3.7 Release Notes

NVCS-4621 - Memory leak fix associated with an empty configuration (0 routers) being written to the NV9000

NVCS-4629 - ProBel Router Internal Locks functionality (updated the App Note 25 with the added control point parameters and how to activate the Lock feature)

NVCS-4614 - NvNPExternal will start back up after a reboot when the service has its windows startup type set to automatic or automatic (delayed)

NVCS-4664, NVCS4665 - Memory leak fixes associated with various panels (9608, 9616, 9649, 9660)

NVCS-4658 - Windows Meltdown/Spectre Fix

8.3.0 - ProBel Router Control of Internal Locks and Stability Fixes - recommended Version For Win10 & XP

8.3.1 - ProBel External/Router Control Serial !485 Fixes - recommended for ALL ProBel configurations

8.3.2 - Tieline Grouping & Mnemonics Patch

8.3.3 - Trinitix/Encore Router Control Fixes - recommended for ALL Trinitix/Encore control configurations

8.3.4 - EC9700/10 Installer Patch w/ AppNote 1 - allows users of Windows 10 to use the applications

8.3.5 - Invalid Source Patch (recommended for NVision Router Control)

8.3.6 - Full Release of all previous 8.3 patches

8.3.7 - General release to production

### NV9000 Installer Logging Additions

1. Added logging to the installer to correctly identify which services or dll's failed to register using the keyword "[FAILURE]" when searching the installation log IF the installation was unsuccessful.

2. Added a unique tick count to the start/end headers of the install to help to identify the beginning and end of an install inside the installation log file.