1. FIRMWARE INSTALLER SCRIPT

1.1 FirmwareUpgrade.spt

FirmwareUpgrade.spt is a Splot script that allows you to do many operations related to the process of upgrading firmware. It is highly recommended that you use this script for all firmware upgrades, as it automates the steps required for correct NVS backup/restore and firmware download, and uses a standard file naming syntax to simplify future upgrades and downgrades.

The script provides the following options:

- **Upgrade firmware**: creates a backup of device NVS parameters, and then downloads the new firmware. The user may select which firmware modules to upgrade (including MCE/MPE, satellite boards and head firmware).
- **Downgrade firmware**: downloads firmware and then restores NVS parameters by downloading NVS backup files. You may select which firmware modules to downgrade.
- **Backup NVS**: creates a backup of the device NVS parameters.
- **Restore NVS**: restores NVS parameters by downloading backup files into the firmware.
- **Backup head NVS**: creates a backup of the head NVS parameters.

  Note: currently only the TH1.7 NVS backup can be used for automated restore; the TH2 backup is for viewing only. This option is only available for MCE systems.
- **Check fsaveall file**: verifies the integrity of an fsaveall file using a checksum.
- **Replace MPE/MCE board**: leads you through the process of board replacement.

Detailed documentation for this script is available in http://techplanet.creo.com/output/computer_to_plate/trendsetter_2637/content/docs/firmwareupgrade.pdf