



ReleaseOrder ID:	SCGCQ01350333
Headline:	MR PL/SCS Libs: SASFW_Ventura_Phase_2.0 - 02.25.
Release Version:	02.25.05.00
UCM Project:	SAS3.5FW_MASTER_DEV
Sub UCM Project:	SASFW_Ventura_Phase_2.0
UCM Stream:	SASFW_Ventura_Phase_2.0_MR
Release Type:	Point
State:	Deployed
Release Baseline:	SASFW_Ventura_Phase_2.0-2017-05-22-02.25.05.00_REL_1495439297@ ISAS_CTRL_FW
Release Date:	22-MAY-17
Date Generated:	Sep 18, 2017

Defects Fixed (2):

ID: SCGCQ01342870 (Port Of Defect SCGCQ01314177)
Headline: Can't program SPDImage to SPD EEPROM
Description Of Change: SPD downloads are divided into 2 types:
Images <= 256 bytes - controller assumes a 2Kbit EEPROM is attached to I2C.
Images > 256bytes - controller assumes larger EEPROM

The controller firmware makes a number of assumptions about how to handle the EEPROM communication based on image length.
In this case, we were not properly handling the situation where the image length was exactly 256 bytes.
Issue Description: Attempting to program an SPD image through StoreCLI fails.
Controller returns INVALID_SGL
Steps To Reproduce: 1) Execute SPD programming command:
storflo.efi /c0 set HWDevice devicetype=5 fileone=vtboot.rom filetwo=9460.spd

ID: SCGCQ01348117 (Port Of Defect SCGCQ01339127)
Headline: ATA Passthrough MPT frame content has overwritten
Description Of Change: If the original frame is modified during the SCSI ATA passthrough handling , PL will make sure that the original frame is restored before releasing the raw internal frame .
Issue Description: During the handling of ATA pass-through command , PL backups the original message frame and then modifies the original frame as SATA passthrough frame . When the SATA passthrough IO is completed , the original frame is restored. In this issue , after sending the command to the drive , the drive stopped responding . Eventually task management is issued to clean up the IO . During task management cleanup, the raw internal frame, which used to actually issue STP command on behalf of the SATA passthrough command, is freed , causes the local pass-through context to be lost. Because of this, during task management completion when IOs in abort list are failed, original frame contents could not be restored as copy of original mid is lost with SATA passthrough context.
Steps To Reproduce: Issue SCSI ATA Passthrough command to a SATA drive that is not responding.