



SCS Engineering Release Notice

Phase20 GCA Release Version 20.00.00.00 - MPS_LSI_Phase20.0 (SCGCQ00768547)

(SCGCQ00768547) - Phase20 GCA Release Version 20.00.00.00 - MPS LSI Phase20.0

(SCGCQ00747479) - Phase20 Beta Release Version 19.255.03.00 - MPS LSI Phase20.0

(SCGCQ00740589) - Phase20 Pre-Alpha Release Version 19.255.02.00 - MPS LSI Phase20.0

(SCGCQ00729613) - Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS LSI Phase20.0



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Phase20 GCA Release Version 20.00.00.00 - MPS_LSI_Phase20.0 (SCGCQ00768547)

Defects=0, Enhancements=0 (Version Change Only)



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Phase20 Beta Release Version 19.255.03.00 - MPS_LSI_Phase20.0 (SCGCQ00747479)

Change Summary (Enhancements=2)

SCGCQ00651415 (CSET) - FreeBSD - Per-device Error Recovery

SCGCQ00723611 (CSET) - Provide option to enable/disable SATA drive spindown for ALL SATA devices and selectively bet' HDD and SSD devices.



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Phase20 Beta Release Version 19.255.03.00 - MPS_LSI_Phase20.0 (SCGCQ00747479)

Total Enhancements Implemented (2)

(SCGCQ00651415 - Port of SCGCQ00651411)

Enhancement 1/2

HEADLINE: FreeBSD - Per-device Error Recovery

NEW FUNCTIONALITY: All Task Management requests will freeze the devq for the target device that is sent the TM. This will allow other I/O requests to different devices controlled by the same HBA to continue. When the TM completes, the devq for that target device is released and I/O can then continue to that device.

(SCGCQ00723611 - Port of SCGCQ00696230)

Enhancement 2/2

HEADLINE: Provide option to enable/disable SATA drive spindown for ALL SATA devices and selectively bet' HDD and SSD devices.

NEW FUNCTIONALITY: Added a new sysctl variable called disable_SSU. The variable defaults to a value of 1. Valid values range from 0 to 3. Any value outside of that range will be taken as the default value of 1. Values for the disable_SSU sysctl variable will force a Start/Stop Unit command to be sent to direct-attached SATA disks as follows:

- 0 = SSU disabled on both HDD and SSD
 - 1 = SSU enabled on SSD, disabled on HDD
 - 2 = SSU enabled on HDD, disabled on SSD
 - 3 = SSU enabled on both HDD and SSD
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Phase20 Pre-Alpha Release Version 19.255.02.00 - MPS_LSI_Phase20.0 (SCGCQ00740589)

Change Summary (Enhancements=1)

SCGCQ00729447 (ENHREQ) - SAS2 Ph20 --- Update Attribution Language - Copyright, Trademark, Confidentiality to Avago



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Phase20 Pre-Alpha Release Version 19.255.02.00 - MPS_LSI_Phase20.0 (SCGCQ00740589)

Total Enhancements Implemented (1)

(SCGCQ00729447)

Enhancement 1/1

HEADLINE: SAS2 Ph20 --- Update Attribution Language - Copyright, Trademark, Confidentiality to Avago

NEW FUNCTIONALITY: Updated all copyright notices, trademark names and PCI device names to the appropriate information.



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Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS_LSI_Phase20.0 (SCGCQ00729613)

Change Summary (Defects=1 Enhancements=1)

SCGCQ00627889 (DFCT) - FreeBSD SAS2 Phase19 driver- Copyright information is not updated in all .c and .h in driver source

SCGCQ00681100 (ENHREQ) - Add driver support for FreeBSD 9.3.0



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Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS_LSI_Phase20.0 (SCGCQ00729613)

Total Defects Resolved (1)

(SCGCQ00627889)	Defect 1/1
HEADLINE:	FreeBSD SAS2 Phase19 driver- Copyright information is not updated in all .c and .h in driver source
DESC OF CHANGE:	Added copyright dates of 2014 where needed.
TO REPRODUCE:	N/A
ISSUE DESC:	Driver source files have old copyright information in .c and .h files.



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Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS_LSI_Phase20.0 (SCGCQ00729613)

Total Enhancements Implemented (1)

(SCGCQ00681100)

Enhancement 1/1

HEADLINE: Add driver support for FreeBSD 9.3.0

NEW FUNCTIONALITY: Added 9.3.0 to build tree and to the buildall.sh script.
