ReleaseOrder ID:	*DCSG01053309*
Headline:	*GCA Release: IT_UEFI_Drv_Ph21 - 21.00.00.00 UEFI (Signed) BSD*
Release Version:	*21.00.00.00*
UCM Project:	*IT_UEFI_Drv*
Sub UCM Project:	*IT_UEFI_Drv_Ph21*
UCM Stream:	*IT_UEFI_Drv_Ph21_Rel*
Release Type:	*GCA*
State:	*Released*
Release Baseline:	*IT_UEFI_Drv_Ph21-2021-10-04-21.00.00.00_REL_1633343102@ \SAS35*
Release Date:	*2021-10-04 10:24:29.000000*
Date Generated:	*Nov 10, 2021*

Release History

- DCSG01053309 - GCA Release: IT_UEFI_Drv_Ph21 - 21.00.00.00 UEFI (Signed) BSD

- DCSG01043639 - Beta Release: IT_UEFI_Drv_Ph21 - 20.255.03.00 UEFI BSD

- DCSG01023827 - Beta Release: IT_UEFI_Drv_Ph21 - 20.255.02.00 UEFI BSD

- DCSG01000309 - Pre-Alpha Release: IT_UEFI_Drv_Ph21 - 20.255.01.00 UEFI BSD

ReleaseOrder ID:	*DCSG01053309* Open In CQWeb
Headline:	*GCA Release: IT_UEFI_Drv_Ph21 - 21.00.00.00 UEFI (Signed) BSD*
Release Version:	*21.00.00.00*
UCM Project:	*IT_UEFI_Drv*
Sub UCM Project:	*IT_UEFI_Drv_Ph21*
UCM Stream:	*IT_UEFI_Drv_Ph21_Rel*
Release Type:	*GCA*
State:	*Released*
Release Baseline:	*IT_UEFI_Drv_Ph21-2021-10-04-21.00.00.00_REL_1633343102@\SAS35*
Release Date:	*2021-10-04 10:24:29.000000*
Date Generated:	*Nov 10, 2021*

ReleaseOrder ID:	*DCSG01043639* Open In CQWeb
Headline:	*Beta Release: IT_UEFI_Drv_Ph21 - 20.255.03.00 UEFI BSD*
Release Version:	*20.255.03.00*
UCM Project:	*IT_UEFI_Drv*
Sub UCM Project:	*IT_UEFI_Drv_Ph21*
UCM Stream:	*IT_UEFI_Drv_Ph21_Rel*
Release Type:	*Beta*
State:	*Released*
Release Baseline:	*IT_UEFI_Drv_Ph21-2021-09-20-20.255.03.00_REL_1632202473@ \SAS35*
Release Date:	*2021-09-21 05:33:45.000000*
Date Generated:	*Nov 10, 2021*

Defects Fixed (1):

ID:	DCSG01039911 (Port Of Defect DCSG01039690)
Headline:	Enclosure properties in HII does not show Number Of devices Connected field.
Description Of Change:	The VFR file does not have primitive entry for Number Of devices connected. Adding this primitive fixed the issue.
Issue Description:	Enclosure properties in HII does not show Number Of devices Connected field.
Steps To Reproduce:	Connect few drives to HBA. Invoke HII and navigate to enclosure properties screen. Inside this screen there must be a field called Number of Devices connected. This field is missing.

Enhancements Implemented (1):

ID:	DCSG01039907 (Port Of EnhancementRequest DCSG01039680)
Headline:	Read SEKM owner value inside wait loop in case of SEKM Enabled.
Description Of Change:	The ownership can change while waiting in loop. Thus, UEFI driver must read new value of SEKM ownership every 5 seconds (minimum granularity in loop). If ownership changes to BRCM or timeout happens then wait loop must break. If SEKM is disabled, then wait loop will not be entered, thus change in ownership does not matter. The wait loop can account for only change in ownership if SEKM is enabled. This will not account for change in SEKM Disable/Enable bits and timeout values during wait loop.

ReleaseOrder ID:	*DCSG01023827* Open In CQWeb
Headline:	*Beta Release: IT_UEFI_Drv_Ph21 - 20.255.02.00 UEFI BSD*
Release Version:	*20.255.02.00*
UCM Project:	*IT_UEFI_Drv*
Sub UCM Project:	*IT_UEFI_Drv_Ph21*
UCM Stream:	*IT_UEFI_Drv_Ph21_Rel*
Release Type:	*Beta*
State:	*Released*
Release Baseline:	*IT_UEFI_Drv_Ph21-2021-08-23-20.255.02.00_REL_1629711260@ \SAS35*
Release Date:	*2021-08-23 09:33:41.000000*
Date Generated:	*Nov 10, 2021*

Defects Fixed (1):

ID:	DCSG01010463
Headline:	HII displays wrong wrong controller and chip names if names are fully populated in NVDATA
Description Of Change:	Since NVDATA can occupy all characters, there will not be place for NULL terminate character. Thus HII must make sure it displays all characters up to maximum length even without NULL character at the end. This is achieved by taking string length as minimum of actual length and maximum allowed length.
Issue Description:	Fully populate the board name, chip name, Chi revision, board assembly and board trace numbers in NVDATA. check BSD and HII if they show proper names. HII and BSD does not show proper names.
Steps To Reproduce:	Fully populate the board name, chip name, Chi revision, board assembly and board trace numbers in NVDATA. check BSD and HII if they show proper names. HII and BSD does not show proper names.

ReleaseOrder ID:	*DCSG01000309* Open In CQWeb
Headline:	*Pre-Alpha Release: IT_UEFI_Drv_Ph21 - 20.255.01.00 UEFI BSD*
Release Version:	*20.255.01.00*
UCM Project:	*IT_UEFI_Drv*
Sub UCM Project:	*IT_UEFI_Drv_Ph21*
UCM Stream:	*IT_UEFI_Drv_Ph21_Rel*
Release Type:	*Pre-Alpha*

Defects Fixed (3):

ID: DCSG00974640

Headline: Code review defect fixes.

Description Of Change: Redundant retry (of 3 times) loop and a function is removed. The memory NULL assignment after de-allocation is corrected.

Issue Description: Code review defect fixes.

Steps To Reproduce: Not Applicable. This is code review defect fixes exercise.

ID: DCSG00975207 (Port Of Defect DCSG00974869)

Headline: UEFI FMP download functions need to check for SEKM enabled bit instead of SEM Capable bit for validation.

Description Of Change: The SEKM feature capable bit check is replaced by SEKM enable bit in FMP validation function.

Issue Description: UEFI FMP download functions need to check for SEKM enabled bit instead of SEM Capable bit for validation. If SEKM is disabled, then this feature is considered to be not present even though the feature capable bit is set.

Steps To Reproduce: 1. Flash a FW which has SEKM capability but its disabled.
2. Try to flash a non SEKM capable FW on it via FMP.
3. The FMP does not allow the download.
4. Since the current FW SEKM is disabled, new FW SEKM feature should not matter for download.

ID: DCSG00997104 (Port Of Defect DCSG00992737)

Headline: System ASSERTS during HII navigation to enclosure properties.

Description Of Change: The ASSERTs are due to device migration from one enclosure to another. To avoid ASSERTS, HII is made to update the existing enclosure details with new enclosure instead of migrating devices.

Issue Description: System ASSERS during HII navigation to enclosure properties. This happens when topology contains duplicate enclosures, one is device type 13 (SES) and another is 0 (Block Device).

Steps To Reproduce: Flash the latest UEFI BIOS to a SAS 3.5 controller. The Topology must contains a pair of enclosures having same enclosure logical IDs. One enclosure with device type 0 having few devices attached. Another with device type 13.
launch HII and navigate to enclosure properties and observe that system hits RSOD or ASSERTS.

Enhancements Implemented (2):

ID: DCSG00972776

Headline: UEFI driver is updated to use same SCSI IO time out value.

Description Of Change: The SCSI IO commands sent by UEFI driver will use 15 seconds as IO timeout value. If the command is originated from outside of driver, then the values passed in packed is used. If input package does not specify any timeout value, then a default value of 30 seconds is applied. SSU command is an exception that needs 120 seconds as default value.
For MPI configuration commands, 30 seconds timeout values is applied.

ID: DCSG00995933 (Port Of EnhancementRequest DCSG00995568)

Headline: Remove wait loop in HII and BSD if SEKM is disabled in NVDATA

Description Of Change: Added a new condition before wait loop to check for SEKM disabled state. If disabled then wait loop will not be entered.