TEST CASE REPORT

Case No: **1**

Section: 3.0.1

Category: Documentation Compliance Checks

Subject: **Document Review: System SPEC**

Description

Verify that the System SPEC document exists for this system.

Test Procedures	1. Check system document repository. 2. Locate System SPEC document.
Pass Criteria	System SPEC shall be provided
Test Result	Pass

RESULT: Pass

TEST CASE REPORT

Case No: **2**

Section: 3.0.2

Category: Documentation Compliance Checks

Subject: **Document Review – HDD LED Mapping Definition**

Description

Confirm the System SPEC explicitly defines which storage device types/ports the single HDD LED shall indicate (e.g., SATA ports, M.2/NVMe via SGPIO/backplane/HBA), including timing/behavior.

Test Procedures	1. Locate sections in the SPEC (e.g., Front Panel LEDs, Storage/Backplane, SGPIO/HBA settings). 2. Extract the defined indicated vs non-indicated device types/ports, LED behavior (steady/blink), and timings. 3. Record document name / version / date / section IDs and paste verbatim excerpts or screenshots. 4. If multiple documents exist (MB, backplane, HBA), verify consistency; note discrepancies.
Pass Criteria	SPEC lists the indicated interfaces (e.g., SATA#0…N) and any non-indicated ones (e.g., M.2 if not wired). Mapping to the LED control path is defined (e.g., SGPIO/HBA/backplane), plus blink semantics (activity-only vs steady-on), and timing thresholds (T_on, T_off, blink rate tolerance). Any configuration dependencies/exceptions (RAID mode, HBA option) are documented. Document title, version, and date are captured for traceability. If any of the above are missing → mark Document Gap (Fail) and request update.
Test Result	Pass

RESULT: Pass

TEST CASE REPORT

Case No: **3**

Section: 3.1.1

Category: Firmware Update

Subject: **BMC - FW flash check (Linux yafuflash)**

Description

To validate that the firmware can be successfully flashed using the Linux `yafuflash` utility, ensuring the process completes without errors and the system reboots with the expected new firmware version.

Test Procedures	1. Prepare the test system and ensure it is running a supported Linux OS. 2. Record the current firmware version for reference. 3. Copy the target firmware binary file to the system. 4. Validate the integrity of the firmware image using md5sum. 5. Run the yafuflash command to perform the firmware update. 6. Monitor the flashing process for error messages. 7. Reboot the system after flashing completes. 8. Verify the new firmware version matches the release documentation.
Pass Criteria	The firmware update process completes without errors, the system reboots successfully, and the reported firmware version matches the expected release version.
Test Result	Pass

RESULT: Pass

TEST CASE REPORT

Case No: **4**

Section: 3.2.1

Category: Backplane HDD <#>

Subject: **Expander F/W update via in-band (Linux)**

Description

Verify the SAS expander FW can be updated properly

Test Procedures	1. Power-up the UUT. 2. Get into Expander console. 3. Get Expander F/W revision by console cli command "fdl 0 0". 4. Check the return data accuracy
Pass Criteria	Expander F/W can be updated properly.
Test Result	Pass

RESULT: Pass

TEST CASE REPORT

Case No: **5**

Section: 3.2.2

Category: Backplane HDD <#>

Subject: **Expander F/W update via in-band (Linux) - Revision check**

Description

Verify the SAS expander FW can be updated properly

Test Procedures	1. Power-up the UUT. 2. Get into Expander console. 3. Get Expander F/W revision by console cli command "rev". 4. Check the return data accuracy
Pass Criteria	Expander F/W Revision shall be correct
Test Result	Pass

RESULT: Pass