

Introduction

The HPI Tester is an automated software tool that can be used to test the compatibility of a Hardware Platform Interface implementation with respect to the requirements specified in Service Availability™ Forum Hardware Platform Interface specification SAI-HPI-B.03.01 and Service Availability™ Forum HPI-to-AdvancedTCA® Mapping Specification SAIM-HPI-B01.01-ATCA.

Version 1.2.0.11

Release Date: May 06, 2009

Component Versions

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|----------------------------|-------------------|
| 1. Test Executive | : 1.5.0.3 |
| 2. HPI Tester | : 1.2.0.11 |
| 3. HPI Proxy Server | : 1.0.0.6 |

New in this Release

1. **New Test Cases added**
 - a. API Test cases: 85 (for 14 API functions added in SAI-HPI-B.03.01)
 - b. ATCA mapping test cases: 118
2. **New Features**
 - a. Search for text in test results.
 - b. Filter test results based on Text, Test Verdict, Test Start Time and Test End Time.
 - c. "Debug" events are discarded by default when saving and opening Test Results. This feature can be set using the Configuration Options dialog.
 - d. Function Call decodes are now always shown in the Test Results window, and cannot be viewed using a separate Miniscope application.
 - e. When Test Results are saved, the Tester version is saved in the first line of the file.
3. **Licensing**
 - a. Licensing based on USB Security Key.
 - b. Older licensing method based on License Information File (".lif") is not supported any more.

Known Issues

Issue #	Summary
1868	Section 7.3.3 (saHpiControlSet) API Test cases are not implemented.
1869	API Test cases in the following sections need further validation: <ul style="list-style-type: none"> • Section 7.5 Watchdog Timers • Section 7.6 Annunciators • Section 7.7 Diagnostic Initiator Management Instrument (DIMI) • Section 7.8 Firmware Upgrade Management Instrument (FUMI)
1579	Installer's "Just me" option does not work. Tester cannot be installed only for the current user.
1483	Sometimes user cannot alter test selection in Test Executive.
3029	Req_4.4.2.3_ATCA_Virtual_Shelf_Manager_Redundancy_Sensor test case can not validate Table 4-40 properly as specification is not clear for some fields.
2811	Test skips if any "Should" or "May" requirement is not met instead of passing.
2853	If saHpiSessionOpen, saHpiRptEntryGet or saHpiRdrGet returns a large value (like 0xffffffff), then the subsequent API calls will fail for some test cases.
3119	Req_4.5.2_ATCA_FRU_Full_Hot_Swap_Model test skips if SAHPI_DOMAIN_CAP_AUTOINSERT is READ_ONLY

Fixed Issues

Issue #	Summary
2832	Proxy server does not release the connection when the HPI tester terminates. As a result the tester can not reconnect to the proxy server again. Proxy server crashes for some API function calls, mainly for "set" function calls.
2473	HPI tests do not consider AMC, RTM and PMC slots as FRU Slot Resource as per 4.2 section in SAIM-HPI-B01.01-ATCA specification.
1982	The tester sometimes crashes if the user keeps adding and deleting test cases in a user-created batch.
2046	SEC_7.1.2_API_saHpiRdrGetByInstrumentId_SA_ERR_HPI_NOT_PRESENT sometimes fails due to syntax error.
1870	SEC_6.3.2_API_saHpiRptEntryGet_SA_ERR_HPI_NOT_PRESENT_RPT_empty fails if DUT has one or more resources in RPT
1376	Miniscope User Guide does not contain help on Statistics features.