

Introduction

The uTCA Tester is an automated test suite for testing the platform management software in different types of MicroTCA building blocks, such as Shelf Manager, Carrier Manager, MCMC and EMMC. The uTCA Tester is fully conformant with PICMG Specification MTCA.0 R1.0.

Version 1.5.0.5

Release Date: April 01, 2010

New in this version

1. Context sensitive help. Selecting a test in Test Explorer window and pressing F1 shows the test procedure of the selected test in a browser window.
2. Command Line Interface(CLI) for automated and unattended test execution. It can be used to run tests from a remote system.

Component Versions

1. uTCA Tester : 1.5.0.5
 2. Test Executive : 2.0.0.8
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Resolved Issues

Issue #	Summary
3995	Test #3.328 checks the Override Fan Level as FFh in Get Fan Level response when the Local Control State is enabled. The Override Fan Level can be of any value between minimum and maximum fan levels or FEh or FFh.
3996	Test #3.266 tries to get Module Power Draw by using PICMG command Get Power Level which is not applicable for MicroTCA Shelf.
3997	Test #3.376 uses the Telco Alarm Implementer's FRU Device ID for searching the Device Locator Records in Carrier Device SDR Repository. Carrier Manager always populates the Device Locator Records in its Device SDR Repository for Telco Alarm with FRU Device ID 79.
3998	Test #3.223 checks for Local Control State of Module's BLUE LED in various Hot Swap States while the BLUE LED should be in Override State as the Carrier Manager directly controls the Module's BLUE LED.
3999	Test #3.378 expects events for all scanning enabled sensors after sending the Set Event Receiver command. IPMB-0 sensors may not generate event when the Event Receiver changes.
4000	Test #3.223 fails because the tester does not set the user privilege level to Admin after the power cycle of MCH.
4001	Test #3.226 searches module events with the Sensor Information like Sensor Number, Slave Address etc. of a sensor available in a Module's Device SDR Repository but Carrier Manager reformats the events with the Sensor Information of the module sensors merged with its own Device SDR Repository.
4002	Test #3.116 does not consider compact SRDs while searching the Version Change Sensor.
4003	Test #3.329 does not calculate the correct IPMB Address of a Cooling Unit.
4118	Test #3.70, #3.72, #3.206, #3.266 assume that the sensor numbering does not change after the power cycle of the MCH.

Known Issues

Issue #	Summary
508	Authentication types "MD2" and "MD5" are not supported in the current version.
141	"Abort" is not implemented properly. Current behavior: "Abort" prevents the execution of the remaining selected tests after completion of the current test.
456	User-defined batch is not being saved across session. Current behavior: User-defined batch can be created but will not be saved if the current instance of the Tester is closed.
490	If the software is installed for "All Users", it is not properly installed for users other than the current user.
1969	Test # 3.118 will fail if the Get Address Info command with additional Request Data is not implemented. The Management Controller may not implement the Get Address Info command with additional Request Data as per requirement 3.119. Clarification is required in the specification.
3136	Test # 3.72 sometimes fails with the syntax error "list indices must be integers".

Version 1.4.0.4

Release Date: May 18, 2009

New in this version

3. The licensing based on License Information File (".lif") is not supported any more. A USB Security Key or a License Server is required for licensing.
4. Test #208 and #229 have been removed in this release.

Component Versions

1. uTCA Tester : 1.4.0.4
 2. Test Executive : 1.5.0.4
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Resolved Issues

Issue #	Summary
3126	Test fails because the user privilege level is not set to Admin after power cycle of MCH or Carrier. (Test #3.70, #3.72, #3.206, #3.262, #3.266)
3127	Wrong FRU Device ID (2 instead of 0) is used to read MCMC FRU Information. (Test #3.355, #3.357, #3.358)
3128	Test #3.262 wrongly asks the operator to power cycle the MCH instead of Carrier Board.
3129	Test #3.329 tries to access absent Cooling Units.
3130	Test #3.378 fails because the tester does not search for expected events in the SEL properly.
3131	Test #3.223 fails if the EMMC Blue LED is in override mode. As the EMMC Blue LED is controlled by Carrier Manager, it can be in override mode.
3132	Test #3.206 checks for Module Hot Swap Sensor even if Micro TCA Carrier does not support redundancy.
3133	Wrong MCMC FRU Device ID (2 instead of 1) is used to read Shelf FRU Information if present in Carrier FRU Information Device in test #3.53.
3134	The Tester cannot communicate with an AMC after it is re-inserted.

Known Issues

Issue #	Summary
508	Authentication types "MD2" and "MD5" are not supported in the current version.
141	"Abort" is not implemented properly. Current behavior: "Abort" prevents the execution of the remaining selected tests after completion of the current test.
456	User defined batch is not being saved across session. Current behavior: User defined batch can be created but will not be saved if the current instance of the Tester is closed.
490	If the software is installed for "All Users", it is not properly installed for users other than the current user.
1969	Test # 3.118 will fail if the Get Address Info command with additional Request Data is not implemented. The Management Controller may not implement the Get Address Info command with additional Request Data as per requirement 3.119. Clarification is required in the specification.
3136	Test # 3.72 sometimes fails with the syntax error "list indices must be integers".

Version 1.3.0.2

Release Date: February 25, 2009

New in this version

1. Support for license based on USB Security Key.
2. Ability to search for text in Test Results.
3. Ability to filter test results based on Text, Test Verdict, Test Start Time and Test End Time.
4. Embedded IPMI commands in Send Messages are displayed in the Test Result windows.

Component Versions

1. uTCA Tester : 1.3.0.2
2. Miniscope : 2.0.0.5
3. Test Executive : 1.4.0.1

Version 1.2.0.8

Release Date: December 05, 2008

New in this version

1. Test coverage has been increased significantly by adding 43 new test cases.
2. Corporate Licensees can generate their own licenses for individual test computers using the *License Server* (see the uTCA Tester User Guide for more details).
3. The Test Events in the "Current Test Result" window are displayed using the same hierarchical organization that is used in the "Test Explorer" window. If a test case is executed multiple times, the results of all the runs of that test case are grouped together. Each run is identified as "Run #<Run Number>."

Component Versions

1. uTCA Tester : 1.2.0.8
2. Miniscope : 2.0.0.4
3. Test Executive : 1.3.0.1

Resolved Issues

Issue #	Summary
1455	Test # 3.393 does not consider any generic non-IPMI FRU.
1454	Test # 3.46 tries to access the physical Shelf FRU Information from the MCMC with FRU Device ID 2. But the MCMC may not allow accessing the physical Shelf FRU Information with FRU Device ID 2.
1843	The tester does not check that the Max FRU Device ID in Get PICMG Properties can not be greater than 252.
2126	The tester wrongly considers the Get Address Info command as mandatory for EMMC.
2127	Test # 3.378 does not check events for all sensors.
1152	Statistic functionalities in Miniscope are not complete.

Known Issues

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456	User defined batch is not being saved across session. Current behavior: User defined batch can be created but will not be saved if the current instance of the Tester is closed.
490	If the software is installed for "All Users", it is not properly installed for users other than the current user.
1969	Test # 3.118 will fail if the Get Address Info command with additional Request Data is not implemented. The Management Controller may not implement the Get Address Info command with additional Request Data as per requirement 3.119. Clarification is required in the specification.

Version 1.1.0.4

Release Date: August 06, 2008

New in this version

This is a maintenance version and does not contain any new feature over v1.1.0.2.

Component Versions

1. uTCA Tester : 1.1.0.4
2. Miniscope : 2.0.0.2

Resolved Issues

Issue #	Summary
1136	uTCA Tester crashes when GET Device Id command is sent at the end of session close.
918	uTCA tester sometimes crashes if the SDR type is wrong.

1097	Syntax error: 'Mtca Tester' object has no attribute 'TestSkipException'.
1126	Some tests complete without any verdict.
1140	uTCA Tester uninstaller does not uninstall the software properly. It causes issues in the next installation.
958	All open sessions (IPMI sessions) were not getting closed after test completion.

Known Issues

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141	"Abort" is not implemented properly. Current behavior: "Abort" prevents the execution of the remaining selected tests after completion of the current test.
456	User defined batch is not being saved across session. Current behavior: User defined batch can be created but will not be saved if the current instance of the Tester is closed.
490	If the software is installed for "All Users", it is not properly installed for users other than the current user.
1152	Statistic functionalities in Miniscope are not complete.

Version 1.1.0.2

Release Date: June 12, 2008

Component Versions

1. uTCA Tester : 1.1.0.2
2. Miniscope : 2.0.0.2

Resolved Issues

Issue #	Summary
939	The tester uses an invalid data in Get Sensor Threshold command.
937	Tester does not verify the implementation of MCMC in the shelf.
938	Tester should verify Local control Enable state field in Get Fan Level command rather than local control mode supported field.
940	Syntax Error of type "incomplete format".
943	Syntax Error of type 'ipmiaddress not defined'.
958	All open sessions (IPMI sessions) were not getting closed.

Known Issues

Issue #	Summary
508	Authentication types "MD2" and "MD5" are not supported in the current version.
141	"Abort" is not implemented properly. Current behavior: "Abort" prevents the execution of the remaining selected tests after completion of the current test.
456	User defined batch is not being saved across session. Current behavior: User defined batch can be created but will not be saved if the current instance of the Tester is closed.
490	If the software is installed for "All Users", it is not properly installed for users other than the current user.

Version 1.0.0.6**Release Date:** May 13, 2008**Component Versions**

1. uTCA Tester : 1.0.0.6
2. Miniscope : 1.2.0.16

Known Issues

Issue #	Summary
508	Authentication types "MD2" and "MD5" are not supported in the current version.
141	"Abort" is not implemented properly. Current behavior: "Abort" prevents the execution of the remaining selected tests after completion of the current test.
456	User defined batch is not being saved across session. Current behavior: User defined batch can be created but will not be saved if the current instance of the Tester is closed.
490	If the software is installed for "All Users", it is not properly installed for users other than the current user.