

The requirement

- Hardware manufacturers,
- System Integrators,
- Telecom Equipment Manufacturers

need to reduce time & resources spent on ATCA & AMC test & interoperability issues during building-blocks development and qualification or during system integration.

The solution: ATCA-Tester

An automated software tool testing the hardware management software implementation in ATCA & AMC based building-blocks or systems.

Benefits

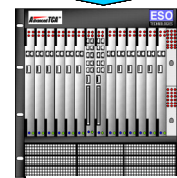
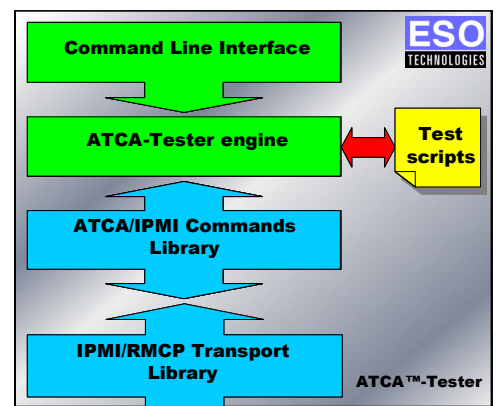
By checking building-block (chassis FRUs, boards, mezzanine) compatibility with respect to AdvancedTCA[®] and AdvancedMC[™] system management requirements (Chapter 3) and by testing independantly or simultaneously all building blocks in an integrated system, ATCA-Tester enables to

- Increase building-blocks interoperability
- Decrease development & integration time

Features

- Script based
- CLI interface
- 114 Test scenarios based on
 - ATCA[™] Interoperability Workshops scenarios
 - PICMG 3.0 R2.0 specification (including ECN-002)
 - AMC.0 R2.0 specification
 - IPMI 1.5 specification
- Error level mapped to the specification requirements
 - Shall = Error if not met
 - Should = Warning if not met
 - May = Info if not met
- Stop or Continue on Error/Warning/Info
- Interactive (Operator needed) and Automatic tests
- Test report always available
- System Event Log dumped to a file for post test analysis
- Simultaneous test of several system IPMC/FRUs
- Test categories

○ IPMC	○ Sensor
○ FRU	○ Shelf manager
○ MMC	○ Shelf
○ Carrier IPMC	○ Network
- Available on Linux x86
- **Tools included:**
 - FRU / SDR / E-Keying Dump: Dump data from any IPMI controller in raw or interpreted format
 - SEL watcher: Monitors any System Event Log and logs all events in a file
 - IPMI pinger: Pings any IPMI controller
 - IPMI command: Sends any IPMI command to any IPMI controller
 - ATCA monitor: Simple GUI to browse & monitor ATCA platform management data



Next Versions

- Extended PICMG 3.0 and AMC.0 test coverage
- CP-TA specific requirements support
- User defined test scripts SDK (TBD)

Contact information

To get more detailed Information about ATCA-Tester, a Quotation or request a Free evaluation version please contact ESO with:

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evaluation version**