IMS Test Solutions

Application-Specific Test Solutions for Any Kind of Test Automation Project

Testing Technologies' ready-to-use test applications are perfectly suited to become an essential part of your test automation strategy. Every test suite comes with a vast number of validated test cases that check the compliance of your applications according to the relevant standards and specifications.

TTsuite-HSS
The Conformance Test Framework for Home Subscriber Server Implementation

- Support of 3GPP release 6 and 7
- 88 test cases for location management procedures, user data handling procedures, authentication procedures, subscription and notification procedures
- Tests for valid and invalid Diameter protocol behavior and syntax variations in Diameter messages
- Exhaustive set of context parameters for flexible adaptation of TTCN-3 tests to the HSS implementation under test
- Test tracing on different levels of detail

TTsuite-Presence
The Test Suite for Testing Presence Service in the IMS

- 290 test cases for Presence Clients/Server, Resource List Server, XCAP Client/Server
- Full control of presence information
- SIP, HTTP and XML Framework
- XML data validation
- Detailed analysis of the involved protocols

TTsuite-VoiceQualityRTP
The Test Suite for Testing Voice Quality in IMS Networks

- 30 test cases to measure voice quality (PESQ, E-Model)
- SIP protocol to build up a connection
- Speech analyzing (MOS) according to E-Model (ITU-T Rec. G. 107) and PESQ (ITU-T Rec. P.862)
- Gathering RTP session parameters
  (RTP and RTCPPackets; Bytes, PacketLoss and SSRC; deltaTMean, TMax and deltaTMin)
- Supported codecs: G.711 (A-Law, μ-Law), GSM, G.726, G.729A, G.723.1, G.721
- Testing the voice quality of SIP signaled RTP stream (user agents/clients, networks)

TTsuite-IMS
The Interoperability Test Suite for IMS Networks

- 100 predefined and validated test cases for wide and deep testing of IMS implementations
- Immediate results in assessing standard conformance and interoperability at control plane and application plane
- In accordance with 3GPP release 6
- Test behavior for generic registration, Peer-to-Peer communication, Push2Talk (PoC) / Talk Burst Control Protocol (TBCP), RTP communication, XML Document Management Server, (XDMS), QoS (COPS/Diameter)