Overview

GL’s MAPS™ SIP Conformance Suite (PKS121) is designed with 400+ test cases, as per SIP specifications ETSI TS 102 027-2 V3.1.1 (2004-11). SIP Conformance Suite is based on the protocol standards used for testing the conformance of various SIP Server and Client entities. MAPS™ include inbuilt scripts (*.gls) for Proxy conformance, Redirect Server conformance, Registrar conformance, UAC conformance, and UAS conformance to test the Proxy, Redirect Server, Registrar, UAC, and UAS as per ETSI standard.

The application is also available as MAPS™ SIP (PKS120), which supports simulation of SIP signaling with various RTP traffic options and can be used to simulate any interface in a SIP network. For more information on MAPS™ SIP protocol simulation, refer to http://www.gl.com/Brochures/Brochures/MAPS-SIP-Brochure.pdf


Features

- Generates and processes SIP valid and invalid messages.
- Supports testing UAC, UAS, Proxy, Registrars, Registrants, Redirect Servers, and other SIP entities.
- Handles strict routing & loose routing, when requests are routed through proxies.
- Conformance Test Specification for SIP (IETF RFC 3261)
  - UA behaving as client or server –
    - User Agent Client (UAC) - User Agent initiating requests
    - User Agent Server (UAS) - User Agent responding to requests
  - Redirect Server - User Agent Server redirecting requests
  - Proxy - making requests on behalf of other clients
  - Registrar - accepts REGISTER requests
  - Registrant - sends the REGISTER messages
Scenario 2: MAPS™ acting as UAC & testing Redirect Server / UAS:
MAPS™ can be configured to act as UAC and to test Redirect Server and/or UAS. This allows the redirection call scenarios to be automated and test DUTs.

Scenario 3: MAPS™ acting as Registrant to test Registrar
MAPS™ can be configured to act as Registrant and to generate registration request messages to automate the entire Registrar (DUT) testing.

Scenario 4: MAPS™ acting as UAS and UAC to test Proxy Server:
MAPS™ can be configured to act as UAC and UAS simultaneously so that entire Proxy testing can be automated.
Buyer’s Guide
PKS121 - MAPS™ SIP Conformance Test Suite (Test Scripts)
PKS120 - MAPS™ SIP
PKS102 - RTP Soft Core for RTP Traffic Generation
PKS108 - RTP Voice Quality Measurements
PKS106 - RTP Video Traffic Generation
PKS202 - 2 Fax Ports, RO
PKS203 - 8 Fax Ports, RO
PKS204 - 30 Fax Ports, RO
PKS205 - 60 Fax Ports, RO
PKS206 - 120 Fax Ports, RO
PCD103 - AMR codec for MAPS™
PCD104 - EVRC codec for MAPS™
PCD105 - EVR_B codec for MAPS™
PCD106 - EVR_C codec for MAPS™
PCD108 - EVS codec for MAPS™
PCD109 - OPUS codec for MAPS™