

VoIP Laboratory

PR - 25 words

ALBEDO Telecom VoIP Laboratories emulate actual VoIP networks, including their impairments, to execute comprehensive acceptance, conformance and interconnectivity procedures.

PR - 50 words

ALBEDO Telecom VoIP Laboratories emulate complete Ethernet / IP architectures in a rack to execute a comprehensive test procedures in a 100% controlled scenario to verify VoIP architecture. Key features that can be addressed are quality, performance, connectivity of protocols, nodes and terminals.

PR - 100 words

ALBEDO Telecom VoIP Laboratories are able to generate concurrent VoIP calls that can be routed to the devices under test or simply used to stress the network, allowing the generation of signalling messages that can be set to any level of detail.

A scripting capability for signalling messages is used to check the conformity of the equipment under test. Malformed messages can be generated to check the performance and tolerance of selected devices. An additional set of tests analyses the effects of parameters that determine VoIP QoE, such as packet loss, delay or jitter, applying standard measurements such as PESQ, PSQM, PAMS, R-Factor.

The suite of test made of more than 85 procedures answers questions like:

- Is the VoIP network architecture correct?
- Do nodes/terminals conform to standards?
- Which is the most convenient VoIP phone to be used?
- Does the VoIP network fulfil end-to-end quality?
- Are terminals, nodes, and gateways 100% compatible?
- Do new deployments operate with other VoIP networks?
- Is full interoperability supported for ISDN/POTS/GSM?
- Are monitoring and OSS tools appropriate?
- Will VoIP calls succeed under heavy data traffic?

