SIP connect 2.0

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SIPconnect 1.1 – History & Status

- ❖ SIPconnect is a profile of SIP and related media aspects enabling direct connectivity between a Service Provider Network and an Enterprise Network.
- ❖ SIPconnect1.0 Published in January 2008
- ❖ SIPconnect1.1 Published in March 2011
  - ➢ Best Practice at the time given status of IETF RFC's and implementations.
  - ➢ Listed some items for further study / waiting on IETF.
- ❖ SIPConnect1.1 adopted by a number of other Forums as the basis for their SIP Trunking specs.

SIP connect – Is International.

BITKOM

http://www.bitkom.org/de/publikationen/38337_70723.aspx

nicc
UK Interoperability Standards

http://www.niccstandards.org.uk/

❖ SIP Forum has liaison agreements with these organisations to coordinate SIPconnect2.0 Requirements and technical specification.

SIPconnect 2.0 – Requirements.

- ❖ Explicitly Not Addressed in SIPconnect1.1
  - ➢ IPv6 Single IP & IPv4/6 Dual IP.
  - ➢ Emergency Calling / Location.
  - ➢ Fax
  - ➢ Service Provider hosted voicemail?
  - ➢ UDP Removal
- ❖ Video
- ❖ Secure Signalling (TLS) & Media (SRTP).
- ❖ SBC's.
  - ➢ Role and Requirements (E.g. IETF STRAW).
- ❖ BITKOM and NICC Input.
- ❖ Etc.

SIP connect 2.0 – Requirements.

❖ IPv6 Single IP & IPv4/6 Dual IP.

  ➢ Delegate to the SIP Forum IPv6 Task Group.

  ➢ Locating Servers

    ➢ draft-johansson-sip-dual-stack-02

  ➢ Dual-IP Negotiation.

    ➢ ANAT, ICE, ICE-Lite?

    ➢ Single IP Address Family – Could be the solution.

SIPconnect 2.0 – Requirements.

❖ Video – Some possibilities of re-use.

➢ Video Relay Service (SIP Forum - VRS).

➢ IMTC SIP Parity Video Profile – Best Practice and Test Cases.

➢ H.264 Specifics

➢ Bandwidth Indication.

➢ Flow Control

➢ RTP Profile.

➢ SIP Forum - NNI, OVCC.

SIP connect 2.0 – Requirements.

❖ Secure Media (SRTP).

  ➢ Assume SDES is what everybody wants.

    ➢ Requires TLS for signalling.

  ➢ Potential for re-use of IMTC SIP Security Best Practice.

    ➢ SDES

    ➢ Single m-line approach to Best Effort SRTP.

SIPConnect 2.0 – Requirements.

❖ Secure Signalling (TLS).

  ➢ SIPConnect1.1 needs some re-work / clarification.

  ➢ Fallback / Failure scenarios may need to be specified.

  ➢ Connection reuse is an issue.

SIPconnect 2.0 – Requirements.

❖ Emergency Calling / Location.

  ➢ RFC 6881 – Best Current Practice.

    ➢ Released in March 2013.

  ➢ NENAi3

  ➢ EENA Long Term Definition.

  ➢ ETSI M.493 – Work in Progress.

  ➢ National variants and regulations may still be an issue for inclusion in SIPconnect.

SIPconnect 2.0 – Next Steps.

❖ Approve the Charter.

  ➢ Please send comments to SIP Forum Technical Working Group.
    http://www.sipforum.org/content/view/28/139/

❖ Form the Task Group.

  ➢ Actively recruiting contributors / editor.

❖ Specify Requirements

❖ Review and Respond to BITKOM and NICC Input.

❖ Make it happen.

SIPconnect 2.0 – Conclusion.

❖ Did we miss anything?

❖ Any Questions?

❖ Please send questions and comments on the charter to the SIP Forum technical working group list.

Thank You

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Backup – SIPConnect2.0 Charter

Microsoft Office
Word Document

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