

SIP Trunking Interoperability

Wednesday, March 28, 3:45 PM–4:30PM

Location: Osceola A

Participants

- **Speaker:**
 - Russell Bennett, Principal, UC Insights
- **Panelists:**
 - Alan Percy, Senior Director of Strategic Marketing, AudioCodes
 - Jim Donovan, VP, Product Management, Acme Packet
 - Jason Rolleston, Director, Product Management, Cisco
 - David Tipping, Vice President & General Manager of SBC, Sonus

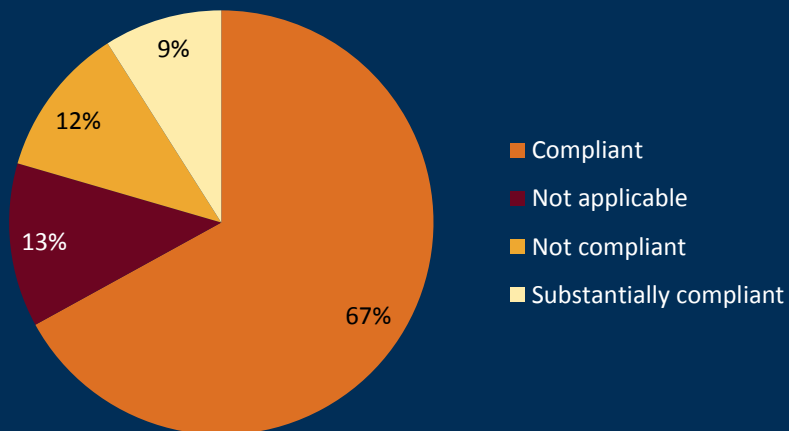
Interoperability Overview

- SIP Trunking has been around for 5+ years as an alternative to PRI Trunks
- SIP Trunking is generally supported by vendors and service providers:
 - All seem to have their own implementation preferences:
 - Signaling
 - Authentication and Encryption
 - Provisioning and discovery
 - Codecs
 - A 'straw poll' of vendor configuration guides for the AT&T IP Flexible Reach service: between 20 and 118 pages...
- The SIP Forum defined an interoperability profile in 2008
 - SIPConnect 1.1 enhanced that profile in 2011
 - Not generally supported by vendors or service providers

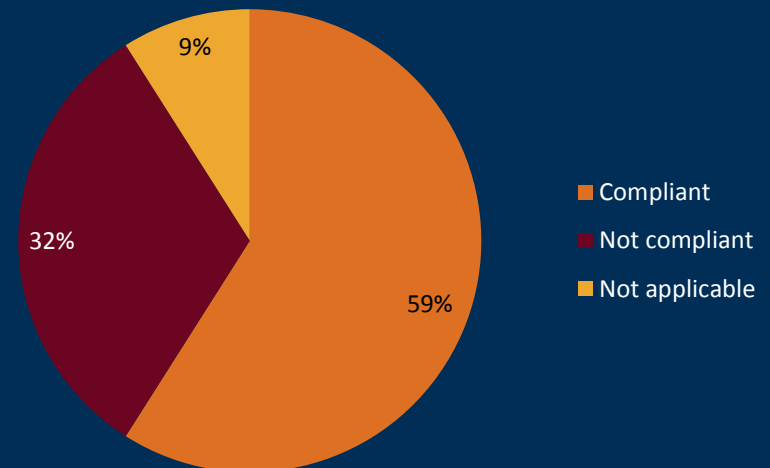
SIPconnect compliance

- SIP Forum survey completed by vendors seeking self-certification

IETF RFC compliance



Overall compliance



- Only 23% compliance with STUN RFCs
 - Enables voice codecs to traverse NATs and firewalls
 - 54% of respondents claiming that the standards did not apply to them.
- An average of 23% non-compliance with TLS as a SIP transport
 - Unable to support encrypted SIP traffic.
- 27% non-compliance with P-Asserted Identity
 - Hiding internal extension numbers from external callers.
- 23% non-compliance on T.38 FAX support.
- 8% non-compliance on hold/unhold support.
- 12% non-compliance with DiffServ
 - Prioritization of media packets.

Does Interoperability Matter?

- SIP Trunking appears to be a growth business, so is the lack of interoperability an issue?
 - Vendors and Service Providers all have their own SIP Trunking interop programs
 - 3rd party vendors making it their business to make SIP Trunking interop work:
 - SBC & Gateway vendors, Systems Integrators, Consultants
- ‘Connect and forget’ model
 - Much like setting up your internet email client

Key Questions

- Have interoperability issues slowed the deployment of SIP Trunking?
- What are those issues and how close are these to being resolved?
- What are its prospects for emerging as a meaningful specification that's adhered to by all parties involved in SIP Trunking?
- Has SIPConnect 1.1 contributed to interoperability?
- Are some carriers more committed to interoperability than others?