STIR SHAKEN – OPEN ISSUES

Presented by Richard Shockey
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Principal, Shockey Consulting LLC
Chairman of the Board SIP Forum
Member, Federal Communications Commission
North American Numbering Council
richard@shockey.us

skype/facebook/linkedin/twitter
rshockey101

+1 703 593 2683
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My partial list …

• IP Interconnection
  – Why Can’t we solve this? Do we have to declare Interconnected SIP Title II?
  – The British declared the end of TDM/SS7 by 2025
  – We may hear from Canada about this

• Display …
  – If RCD is coming, what do we need to do?
  – Interop testing. We know experiments have been held
  – SIPIT?

• Enterprise Inbound and Outbound
  – What data gets passed across the AS and why

• Multihoming
My partial list …

• Canonicalization of the Phone Number
  – Inconsistent E.164 presentation can result in verification failure.

• The endless problems with TCP vs UDP packet fragmentation
  – Where have we heard this before..

• 607 608 Call Blocking Error codes. FCC Petition for Reconsideration

• Diversion aka Call Forwarding.

• Improper attestation.
  Add more granularity in attestation??
TDM Interconnection Kills STIR/SHAKEN

• My wild guestimate is that 35% of all calls in the US will not be able to be validated. We just don’t have any good data here.

• There may be perverse incentives to drop calls from SIP UA’s to TDM.

• All IP at Interconnection can work for TDM centric networks.

• TDM> Media/Signaling GW > SBC ……….. SBC > Media/Signaling GW > TDM

• The SIP Forum / ATIS NNI Task Force published the first IP Interconnection Routing Report (2014):