

VoIP Peering & Interconnect BOF (voipeer)

IETF 64
Vancouver, BC

<http://www.1-4-5.net/~dmm/IETF/IETF64/VOIPEER>

Administriva

■ Mailing list: majordomo@lists.uoregon.edu

- subscribe voipeer

▸ or visit

- <http://darkwing.uoregon.edu/~llynch/voipeer.html>

■ Scribe(s)?

- ASCII + Jabber
- "microphone monitor?"

■ Blue Sheets

■ Agenda Bashing

- Meyer (5 minutes)

Agenda

■ Charter Discussion

- What is out of scope?
- What is in scope?
- Division of labor with the ENUM WG
- Deliverables/Milestones
 - Meyer/all (60 minutes)

■ Terminology Draft

- draft-meyer-voipeer-terminology-01.txt
 - Meyer (10 minutes)

■ What's in a name?

- If chartered, do we want to change our name?
 - Meyer (5 minutes)

■ Next Steps

Charter Discussion

- What is Out of Scope?
- What is in Scope?
- Division of labor with the ENUM WG
- Deliverables and Milestones

Well, what is out of scope?

- Properties of networks underlying the "interconnecting links"
 - e.g., IP access and transit networks
 - including admission control
- Interoperability/profiling of existing protocols
 - e.g., SIP, RTP, and SRTP
- Routing of sessions which are not signaled using SIP
 - voipeer considers only those scenarios in which call routing is signaled using the SIP protocol and addressed by SIP/SIPS URIs or E.164 (public telephone number) addresses.
- SPIT prevention

What is out of scope?

■ Others?

What is In Scope?

- Specification of call-routing architectures for delay-sensitive ("real-time") communications using the SIP protocol
 - and their associated use cases
- Specification of the various types of packet flows in such networks
 - including both VoIP trunking and peer-to-peer flows
- Documentation of the requirements for the feedback of operational conditions
 - In particular, those conditions that enable the application of dynamic policy
 - e.g., congestion control

What is In Scope?

- BCPs regarding exchange of calls among VoIP providers
 - And more generally, how real-time sessions are signaled between service providers

- And in particular, how such calls are routed, both between Internet connected sites and between the Internet and the PSTN

- Others?

Division of Labor with the ENUM WG

- ENUM Working Group is primarily concerned with the structure (and lookup) of data for the translation of E.164 numbers into SIP URIs (RFC3761)
- VOIPEER is concerned with the use of that data for use in signaling and routing real-time sessions
- Comments?

Proposed Deliverables/Milestones

- VOIPEER terminology (Info)
 - draft-meyer-voippeer-terminology-01.txt
- VOIPEER reference architecture (Info)
- Call flows associated with the VOIPEER routing architecture (Info)
- Use of DNS SRV and NAPTR records as specified by RFC 3263 (BCP)
- The minimum set of requirements for VoIP interconnection (BCP)

Proposed Deliverables/Milestones, cont

- The use of addressing forms and provision of strong identities (BCP)
- Use cases (BCP)

Terminology Draft

- draft-meyer-voipeer-terminology-01.txt
- Contentious point (on the list):
- The definition of what is a "carrier"
- Proposed solution
- Avoid "carrier" rathole and don't define it
- Comments?

What's in a name?

- Generalize from VoIP specific to "real-time"
- RTCSP?

Next Steps
