



# Hitchhikers Guide to SIP

Jonathan Rosenberg  
Cisco Systems

# Problem Statement

- Enumeration of SIP-related standards for newbies and implementors
- Definition of “Core SIP” for purposes of advancing those documents to draft standard
- Evaluation of which documents are important or not in which use cases

# Document Classification

- Core SIP
- PSTN Interworking
- General purpose  
Infrastructure extensions
- Minor Extensions
- Call Control Primitives
- Event Packages
- QoS
- OAM
- Compression
- Service URI
- IM and Presence
- Emergency Services

# SIP “Family”

- Not SIP Extensions but support SIP and have many extensions themselves
  - RTP
  - SDP
  - Sigcomp
  - ENUM
  - Tel URI
  - PIDF
  - MSRP
  - STUN
  - XCAP
  - TRIP

# Core SIP

- SIP (RFC3261)
- SIP DNS (RFC3263)
- SIP events (RFC3265)
- Privacy (RFC3323)
- PAID (RFC3325)
- Path (RFC3327)
- Rport (RFC3581)
- NIT (RFC4320)
- SIP Identity (draft-ietf-sip-identity)
- GRUU (draft-ietf-sip-gruu)
- SIP Outbound (draft-ietf-sip-outbound)

# Open Issues

- Do things like O/A (RFC3264) get included in “core SIP”
  - SIP advancement to draft standard does depend on this actually
- We’ve got a P-header in the core SIP specs
- How can I add more Hitchhikers Guide references?
  - Need to work in towels
  - More 42?
  - Dolphins and falling whales