

SIPREC Protocol

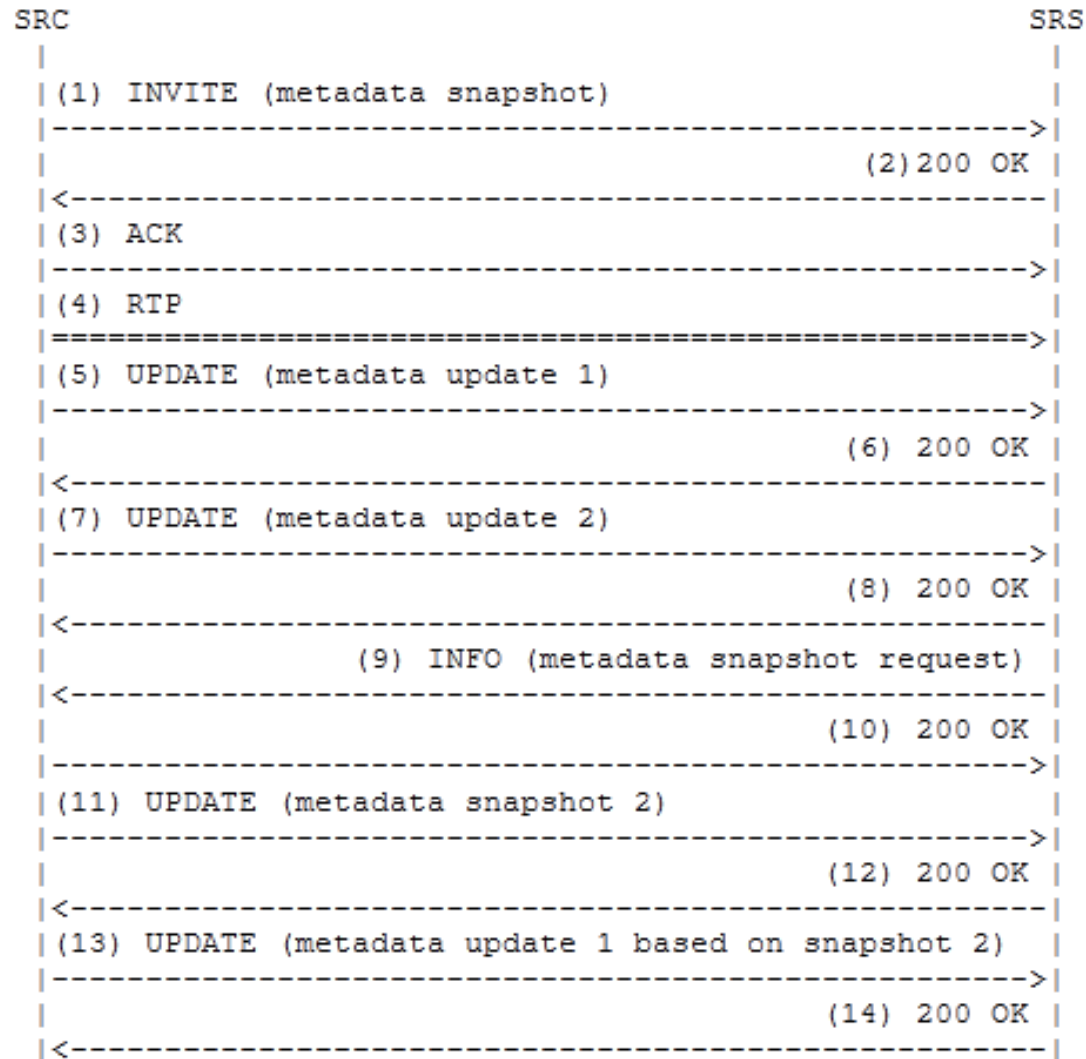
IETF #80

Authors: L. Portman, H. Lum, A. Johnston, A. Hutton

Status

- Currently -03 draft
- Main topics
 - Partial Metadata support
 - Metadata Snapshot support
 - Multiplexing media
 - Recording awareness
 - Recording indications
 - Recording preferences
- Open Items

Partial Metadata Support



Metadata Snapshot Support

- INVITE without SDP from SRS to SRC
- Using UPDATE to request Metadata Snapshot
 - Possible collision
 - Does not require additional mechanism (INFO)

Multiplexing media streams

- Multiplexing medias for each side on the same RTP stream with different SSRC
- Benefits
 - Reducing port numbers
 - Faster NAT traversal negotiation
- Require from metadata to map between participant->stream->SSRC
 - Via CNAME attribute in SDP

Recording Awareness

- Session level SDP-attribute
 - a=recording-aware
 - If not agreed, in-band media tone will be generated

Recording Indications

- “record” session or media level attribute
 - "a=record: " indication
 - indication = "on" / "off" / "paused"

Recording Preferences

- “recordpref” session or media level attribute
 - "a=recordpref:" pref
 - pref = "record" / "norecord" / "pause" / "resume"

Open Items

- Asynchronous vs. Synchronous Error handling
 - Synchronous SDP Processing
 - Asynchronous XML processing
- Session Timer usage
- Metadata Support Discovery

Discussion