SIPREC Protocol

draft-ietf-siprec-protocol-02

IETF 82 Taipei

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Status

- Currently -02 draft
- Changes from -01
- Open items

Changes from -01

- Lot of editorial changes
- Add "recordpref" for SDP answer as well

Issue 1: 'srs' and 'src' feature tags

- Motivation
  - Indication of SRC and SRS capabilities and RS intent in order to support SRS discovery and routing of RS INVITES

- Suggestion from Paul:
  - Rename to '+sip.src' and '+sip.srs'
  - Abuse of the feature tags mechanism, should not be used for intent
  - Can we use presence of metadata as indication of RS?

Issue 2: 'siprec' option tag

- Motivation
  - Make sure that only SRS and SRC will handle RS INVITE and not break other UAs in case of wrong configuration or routing mistakes
- Suggestion from Paul:
  - Two option tags: 'srs' and 'src'
  - And have:
    - Supported: src
    - Required: srs

Issue 3: Multiplexing support

- Support for RTP multiplexing
- Support for RTP and RTCP multiplexing to maintain NAT bindings
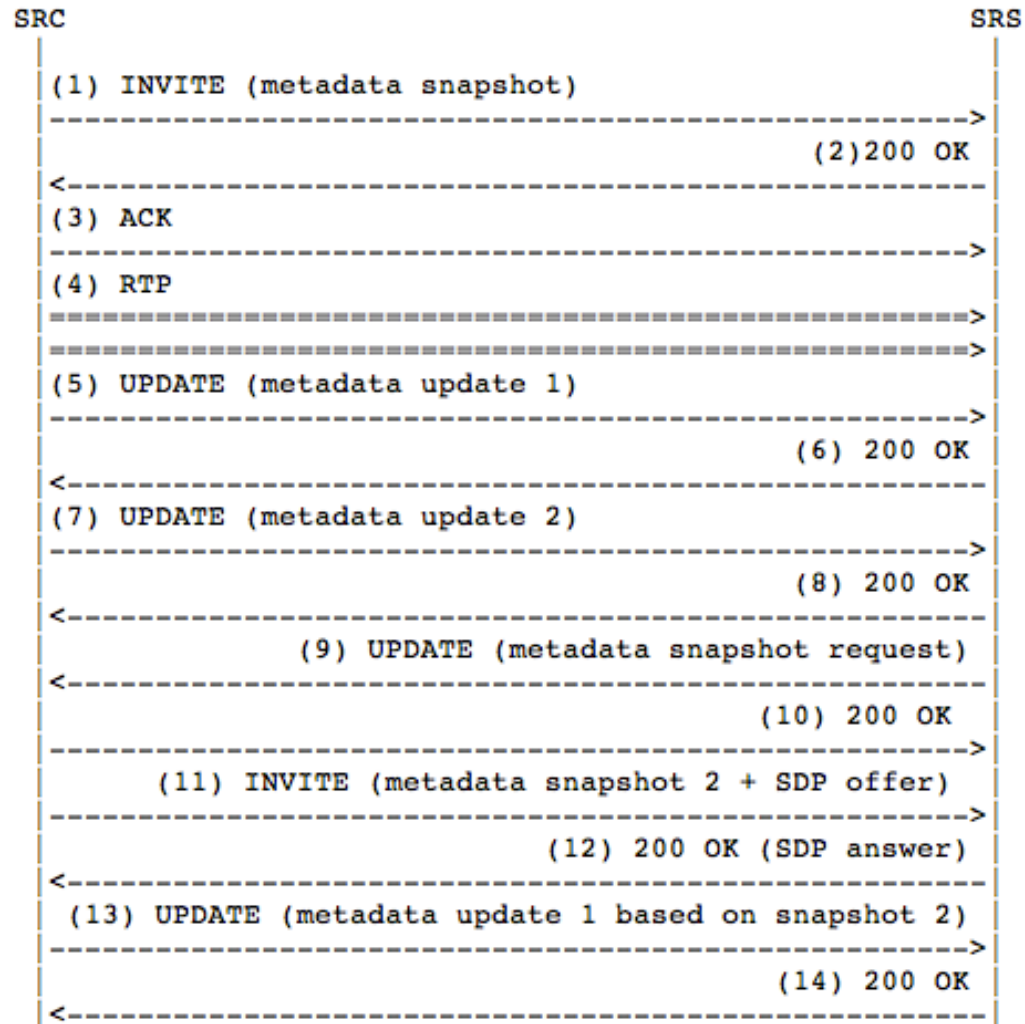
Issue 4: 'recordpref'

- Support for "recordpref" on session level as well

- Same for "record" ?

Addition open items

- Remove 'mute' and 'unmute' text
- Allow usage of 'UPDATE' for full metadata snapshot updates

Metadata updates flow


```
SRC                                                              SRS
 |                                                                |
 |(1) INVITE (metadata snapshot)                                  |
 |--------------------------------------------------------------->|
 |                                                   (2)200 OK     |
 |<---------------------------------------------------------------|
 |(3) ACK                                                         |
 |--------------------------------------------------------------->|
 |(4) RTP                                                         |
 |===============================================================>|
 |===============================================================>|
 |(5) UPDATE (metadata update 1)                                  |
 |--------------------------------------------------------------->|
 |                                                 (6) 200 OK      |
 |<---------------------------------------------------------------|
 |(7) UPDATE (metadata update 2)                                  |
 |--------------------------------------------------------------->|
 |                                                 (8) 200 OK      |
 |<---------------------------------------------------------------|
 |              (9) UPDATE (metadata snapshot request)            |
 |<---------------------------------------------------------------|
 |                                                (10) 200 OK      |
 |--------------------------------------------------------------->|
 |      (11) INVITE (metadata snapshot 2 + SDP offer)            |
 |--------------------------------------------------------------->|
 |                                    (12) 200 OK (SDP answer)    |
 |<---------------------------------------------------------------|
 | (13) UPDATE (metadata update 1 based on snapshot 2)           |
 |--------------------------------------------------------------->|
 |                                                (14) 200 OK      |
 |<---------------------------------------------------------------|
```

Next steps

- Decide on different tags
- Publish -03 version

Discussion