SIPREC
draft-ietf-siprec-req-04
Requirements for
Media Recording using SIP

IETF 79 Beijing
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on behalf of the team
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Agenda

- draft-ietf-siprec-req-04
  - Items fixed during interim meeting ("78.2") and discussion on mailing list

- Today: Open Issues and Public Comments
  - Continued and new items

- Next Steps
  - Items to be resolved
  - Publication schedule

Draft -04: Fixed Items from 78.2

Ticket	Summary	Disposition
1	Reduce user cases to managable set	Done
4	Media codec negotiation	Already part of SIP. Closed
26	Do we need REQ-008 on failover?	Removed as per discussion on mailing list. Closed
27	Do we need REQ-009 on rejection?	Same
28	Do we need REQ-010 on redirection?	Same
36	Do we need REQ-030 on identifying a session as an RS?	Based on discussion on the mailing list, REQ is retained but reworded in draft-04
44	Is REQ-032 on different keys needed?	Accepted/closed
45	Lack of requirements on types of media to be covered	Updated REQ-008 in -04 to include DTMF (as defined by [RFC4733]).
46	Incremental delivery of metadata	Added REQ-025 to draft-04
47	Delete REQ-031 concerning use of same key?	Removed REQ-031 but kept REQ-032 in draft-04 as per discussion on mailing list and for tracker ticket #47.

Open Items

Ticket	Summary	Disposition
51	Definitions of Pause/Resume and REQ-015/016	To be discussed today.
52	Delete REQ-050? (authorization)	To be discussed today.
53	Privacy requirements	To be discussed today.
35	Clarification of REQ-029 on security	Security sections were expanded and restructured in -04. To be discussed today.
43	Requirements for recording a conference	Additional definition required (to be discussed if time permits)
40	Media delays for Use Case 12	Additional definition required (to be discussed if time permits)

Pause/Resume definition proposal

- Pause: The action of temporarily <u>discontinuing the transmission or collection</u> of RS media

- Resume: The action of <u>recommencing the transmission or collection</u> of RS media

➔ Recommend accepting this change to permit flexiblity of deployments.

- Rational: Since we already have good definitions of CS and RS, and those definitions explain the relationship between CS and RS, we should be able to make the definition for Pause/Resume simple, refer it to RS only, and leverage the definitions already provided for CS and RS. Also, this keeps the definition of Pause/Resume focused on the context of the RS, not the CS or Playback.

- The purpose of a Pause of a recording is to temporarily discontinue the collection of CS media, typically for security reasons, and <u>could be implemented by either temporarily discontinuing the SRC media transmissions or by temporarily discontinuing SRS media collection</u> (depending on particular user needs). REQ-015 and REQ-016 support this notion.

  – DS 28 Oct 2010

REQ-050 Authorization

- REQ-050 The mechanism SHALL allow only authorized SRC/SRS to initiate a recording session.

- Does the mechanism needs to do anything to support authorization?

- Internal matter for the SRC and/or the SRS.

- Difference   SRC->SRS   vs.   SRS->SRC?

- Do we need this requirement?

- Even if we need this, is authorization a policy issue?

- Is it out of scope for this release?

Privacy: Scope

- Should SIPREC govern privacy of recorded media or metadata?

- Where would the rule-maker reside: with the SRC, with the SRS, elsewhere?

- What would be the nature of the rules?

➔ This would be a <u>huge undertaking</u>.
  Recommend deferring to a future release

- *Example: GEOPRIV uses a privacy mechanism that involves associating rules with location information, these rules governing the further distribution and use of the location information.*

Privacy: Indicate Recording Reason

- New Requirement proposal: *(Alissa Cooper 8 Nov 2010)*

  "The mechanism MUST provide a means of indicating to the participants involved in a CS the purpose for which their session is being recorded."

- How would we standardize a set of purposes?
  – Very open-ended list of purposes
  – Add indication to SIP signaling?

➔ Recommend to *not* include this

Privacy: Request to clarify scope

- Is SIPREC only to be used when all call participants have been informed that the session is being recorded?

  (Alissa Cooper 8 Nov 2010)
  - Use cases already describe 'known' recording
  - Lawful intercept is already out of scope
    (last paragraph of introduction)
  - *REQ-023 states: Authorized participants can request no recording…*
  - *REQ-024 states: The mechanism MUST provide a means of indicating recording…*
  - Even if we make it mandatory to implement, not necessarily mandatory to deploy.

➔ Recommend no change in scope

Confidentiality, Integrity, Security, Authentication, Privacy

- Open ticket #35: REQ-029 – security
  http://www.ietf.org/mail-archive/web/siprec/current/msg00451.html
  - "Confidentiality, Integrity, Authentication"
- REQ-031 – SIP security model
  - "eavesdropping protection, authorization and authentication."

➔ Expanded REQ-029, -031 into new sections

➔ Additional review & discussion of those reqs.

Recording a Conference
(ticket #43)

- Recording the view of a single participant versus recording the entire conference (including aspects that a given participant might not see)

- Participant metadata
  - Who's on the conference
  - Timing (join, leave, etc.)

https://wiki.tools.ietf.org/wg/siprec/trac/ticket/43

Media Delays (for use case 12)
(ticket #40)

- Minimum and maximum delay in streaming media from SRC to SRS, in the context of Use Case 12.

- ➔ Timing relationship of RS media vs. CS media

- ➔ inform on delay?

- ➔ Know real time (wall clock time) when media originated?

https://wiki.tools.ietf.org/wg/siprec/trac/ticket/40

Next Steps: To Do in Draft -05

Resolved during mailing list discussions:

Ticket	Summary	Disposition
48	Deletion of REQ-072	To be fixed in -05.
49	REQ-060 / 061 on integrity	To be fixed in -05.
50	Deletion of REQ-073	To be fixed in -05.
51	Definitions of Pause/Resume and REQ-015/016	To be discussed today.
52	Delete REQ-050? (authorization)	To be discussed today.
53	Privacy requirements	To be discussed today.
35	Clarification of REQ-029 on security	Expanding secuity, etc. in –draft-05
43	Requirements for recording a conference	Additional definition required
40	Media delays for Use Case 12	Additional definition required

Next Steps

- Resolve Open Issues and
  Public Comments   By   22 Nov 2010

- Publish   draft-05   29 Nov 2010

Discussion