SIPREC
Requirements for
Media Recording using SIP

IETF Interim meeting 22 Jun 2010

Ken Rehor

on behalf of the team

Draft authors: K. Rehor, A. Hutton, L. Portman, R. Jain, H. Lum

Agenda (*Next Steps* from '77)

- Refine current requirements

- Address Open Issues and Public Comments

- Describe additional use cases

- Publish revised draft
  - Target May / Jun 2010
    - *http://tools.ietf.org/html/draft-rehor-siprec-req-01 May 20, 2010*

Open Issues

- Failure modes and handling
- Media / codec negotiation
  - At setup time
  - Mid-call, e.g. during transfers of participants
- Network mixing, transcoding
- Participant Notification
  - Before recording begins, via tone injection, etc.
- Privacy Control
- Metadata transport

Use Case 8

Geographically distributed or centralized recording

- Remove text for "conference based solution"
- ➔ We do not want to limit architectures in requirements doc
- Supported by discussion on mailing list

Use Case 12
real-time media processing

- Separate streams for each speaker is highly desired
  - Speaker-separated audio supports higher quality speech processing
  - But doesn't imply or require real-time stream
- Add specific requirement to support real-time analytics
- Suggestions:
  - Add specific requirement to enable real-time streaming
  - Clarify that REQ-012, -013, -014

Use Case 12
real-time media processing

- New proposed REQ-xxx

  "The mechanism MUST support separated real-time audio streams."

- Use case: real-time speech analytics
  - Must this be specific to speech?
  - Where does the real-time stream need to originate? SRC or SRS? Both?

Revised REQ-012, -013, -014

- REQ-012 The mechanism MUST support the ability for an SRC to deliver mixed audio streams from multiple Communication Sessions to an SRS.

- REQ-012bis: The mechanism MUST support the ability for an SRC to deliver mixed audio streams from different parties of a given Communication Session to an SRS.

http://www.ietf.org/mail-archive/web/siprec/current/msg00359.html

Revised REQ-012, -013, -014

- REQ-013 The mechanism MUST support the ability to deliver multiple media for a given Communication Session over separate Recording Sessions to the SRS.

- REQ-013bis The mechanism MUST support the ability to deliver media from different parties in a given Communication Session over separate Recording Sessions to the SRS.

Revised REQ-012, -013, -014

- REQ-014 The mechanism MUST support the ability to deliver multiple media for a given Communication Session over a single Recording Session to the SRS.

- REQ-014bis The mechanism MUST support the ability to deliver media from different parties in a given Communication Session over a single Recording Session to the SRS.

http://www.ietf.org/mail-archive/web/siprec/current/msg00346.html

Use Case 10: High Availability

- Covers situation where SRS fails
  - At call setup or during a call
- Does not ensure 'no loss of recording' situation
  - Continuation of recording on a different SRS
- Rename Use Case 10 to "Handling SRS Failure"
- Add new use case for "Handling SRC failure"
  - e.g. failover to secondary SRC
- Add new use case for 'no loss of recording'
  - e.g. redundant SRSs or redundant SRCs with SRSs

Next Steps

- Resolve any remaining Open Issues and Public Comments
- Publish (hopefully) final draft
  - June / July 2010

Discussion