SIPREC
MSRP Recording
(draft-yan-siprec-msrp-recording-02)

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Intro

- Received much good feedback at IETF90.
- Spun a substantially revised version to address that feedback:
  - draft-yan-siprec-msrp-recording-02
- There has been No discussion on that version
- Looking for feedback on the new version here, and on the list

Added new MIME wrapper type

- The major change in this version is the introduction of a special MIME wrapper type:
  - "application/msrp-recording"
  - Is an extension of "application/cpim"
  - All messages being recorded are wrapped with this type
  - Provides a place for the extra metadata about SEND messages
  - Allows conveyance of all those special messages that previously caused trouble
  - Wrapper can be minimal in many common cases

Recording SEND messages

- The *body* of CS SEND messages is wrapped before SENDing on the RS
- The wrapper contains the Message-ID from the CS SEND message
  - Supports reconstruction at the SRS when sessions fail in middle of a message
- Wrapper MAY contain From/To
  - if the body doesn't, or doesn't have the correct ones
- Wrapper may contain the Nickname when in use
  - Works around session-oriented Nicknames in CPIM.

Identifying dropped messages

- Can send a surrogate for a dropped SEND message
  - For messages too big for the RS
  - For types the RS doesn't want to accept
- The surrogate indicates why the drop occurred.

Recording non-SEND CS Messages

- Non-SEND messages from the CS can be recorded in full, by wrapping them. E.g.,
  - REPORT messages
  - NICKNAME messages

Recording CS transaction responses

- When important, responses on the CS can be wrapped and sent for recording:
  - Error responses
  - Key success responses (e.g. to NICKNAME requests)

Open Issues in this version

- Do we need a way for the SRC/SRS to negotiate the sending of:
  - Indications of dropped messages
  - NICKNAME messages
  - NICKNAME success responses
  - Transaction error responses
- Multiplexing of *unrelated* CS MSRP sessions on a single RS MSRP session
  - I've provided a way to do this
  - Distinct from multiplexing related streams (such as in a chat session)
  - Looking for feedback on whether this is a good thing.

The End