

Message Stream ID

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What It Is

- A mechanism for declaring associations between SSRCs
- The SSRCs may be in the same or in different RTP sessions
- The SSRCs may have additional data attached to their membership in the association
- Used by WebRTC to identify the binding between an SSRC, a MediaStreamTrack and a MediaStream

Current Status, Changes Ahead

draft-alvestrand-mmusic-msid-01

- Accepted as an MMUSIC draft
- Accepted as "solving the problem" in RTCWEB
- WEBRTC (W3C) last week decided to ask for a change in the "application data" format

Open Issues (MMUSIC) (1)

- Registry: can we reuse semantics?
 - Pro: Already defined how to use for existing semantics
 - Con: Makes MSID-only semantics turn up in other registries
 - Meh: Cost of another registry to maintain?
- Identifiers: What syntax?
 - "Token": SDP standard, XSS vulnerable
 - Numbers (or hex): Simplest
 - Alphanumerics+dash+some: Current
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Open Issues (MMUSIC) (2)

- Grouping identifiers: What semantic?
 - MUST NOT reuse (current)
 - Need for infinite memory?
 - Satisfiable by randomness?
 - MUST retire-before-reuse
 - Satisfiable after a completed O/A exchange
 - MUST be random numbers? (currently SHOULD)
 - Someone Else's Problem (put in app-specific)
- Document structure
 - Keep as one document
 - Split out WebRTC semantic as separate doc
 - (Do we foresee other users?)

Questions? Suggestions?