

Multiple SSRCs in SDP Media Descriptions

IETF#85, Atlanta, U.S.A

draft-westerlund-mmusic-max-ssrc-00.txt
(previously avtcore)

Christer.Holmberg@ericsson.com

IPR

- <https://datatracker.ietf.org/ipr/1639/>

PROBLEM

- A single SDP media description (m- line) can represent multiple media sources (SSRC)
- Each source can use codecs negotiated for the media description.
- An entity might not be able to simultaneously send/receive the same codec, or certain combinations of codecs, on all sources.

SOLUTION

- New SDP attributes
 - For a given SDP media description, indicate sending and receiving capabilities of multiple media sources, based on codec usage.
 - "I can send 2 streams using codec X and 1 stream using codec Y."
 - "I can receive any number of streams using codec X."
 - a=max-send-ssrc
 - a=max-recv-ssrc

EXAMPLES

m=video 49200 RTP/AVP 99

a=rtpmap:99 H264/90000

a=max-send-ssrc: {*:2}

a=max-recv-ssrc: {*:4}

m=video 49200 RTP/AVP 96 97

a=rtpmap:96 H264/90000

a=rtpmap:97 H263-2000/90000

a=max-send-ssrc: {96:2&97:3} {96:1&97:4} {97:5}

a=max-recv-ssrc: {*:1}

NEXT STEP

- Interest?
- Milestone?
- Adopt draft?

**THANK YOU FOR
LISTENING!**