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-re CV-ssrc
EXAMPLES

m=video 49200 RTP/AVP 99
a=rtpmap:99 H264/90000
a=max-send-ssrc: {*:2}
a=max-rerecv-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-rerecv-ssrc:{*:1}
NEXT STEP

• Interest?
• Milestone?
• Adopt draft?
THANK YOU FOR LISTENING!