

# RTP usage in CLUE: draft-ietf-clue-rtp-mapping-03

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# Status

- New version describes RTP usage in CLUE and mapping to CLUE
- In order to associate the media in the different protocols there are three mapping that need to be specified:
  1. CLUE individual encodings to SDP – done using “label” attribute
  2. RTP media streams to SDP (this is not a CLUE specific mapping) – for bundle done using SDP mid attribute
  3. RTP media streams to MC to map the received RTP stream to the current MC in the MCC. – defined in this document.

# CLUE RTP mapping

- RTP media streams to MC.
  - For mapping an RTP stream to a specific MC in the MCC the CLUE captureId is used. The media sender MUST send for MCC the captureID in the RTP header and as a RTCP SDES message.
  - The document defines this two extensions.

# CLUE RTP mapping

- Ticket #47- multicast support for CLUE.
- Two options discussed
  - Using Simulcast in SDP and RTP Sessions in draft-burman-mmusic-sdp-simulcast-00. This work started in AVTCORE and is now in MMUSIC. Use a new SDP simulcast attribute to describe the simulcast streams.
  - Use the MC maxCaptureEncodings attribute to describe the maximum available simulcast streams in the advertisement.
- Using CLUE only provides a way for basic simulcast support. Available in the current data schema.
- The SDP solution is in individual document and may not be ready if we conclude the CLUE work by next IETF meeting.
- Using the CLUE solution do not prevent using SDP one when available.
- Proposal: describe both options. For the SDP description use current syntax

# Next steps

- Describe simulcast support
- Editorial work on draft is needed. Look at static and dynamic mapping.
- Check support for FEC and retransmission, there is new work in RTCweb WG - draft-uberti-rtcweb-fec-00 and draft-singh-payload-rtp-1d2d-parity-scheme-00. This topic is out of scope for CLUE.
  - Do we need to say something about it in the document?