

RTP Clock Source Signaling

draft-ietf-avtcore-clksrc-05

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Changes in clksrc-05

- Helpful comments from several people
 - Thanks!
- Main changes
 - Offer/Answer behaviour
 - IANA considerations
- SDP directorate review
 - TODO: Some issues remain with the draft
 - Will be resolved shortly

Offer/Answer Changes

- Text is significantly changed
- Declarative approach
 - Clock disposition is always explicitly signalled
- Behaviour
 - What to accept/reject is application dependent
 - Offer may be rejected if clocks are not compatible
 - Offer may be accepted even if shared clocks are not available
 - e.g. fall back to rate matched behaviour

Offer/Answer Changes

- If *no* clock sources are signalled:
 - Timestamp reference is assumed “local”
 - Media clock is assumed “async”
- Support for clksrc is indicated by signalling a clock of some kind
 - E.g. `ts-refclk:local`

IANA Considerations

- Add SDP attributes
 - `ts-refclk,mediaclk`
- Add source level attributes (RFC5576)
 - `ssrc=NNNN ts-refclk`
 - `ssrc=NNNN mediaclk`
- New registries
 - `ts-refclk` parameters
 - `Mediaclk` parameters

Dependencies

- The IDMS draft depends on clksrc
- New AES interop standard
 - High performance streaming audio-over-IP
 - <http://www.aes.org/standards/comments/cfc-draft-aes67-xxxx-130729.cfm>

Next steps

- Rev -06 will be needed
 - Resolve SDP directorate comments quickly
- Then WGLC ...