Update on discussions about RTCP-XR metrics in RTCWEB

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Motivation and Objective

• Motivation:
  – Draft-ietf-rtcweb-rtp-usage focus on giving recommendations on how RTP/RTCP is used in RTCWeb context.
  – However there is an open issue regarding RTCP XR in draft-ietf-rtcweb-rtp-usage
    • How RTCP XR is used in RTCWeb to provide media quality reporting?

• Objective
  – Inspire some discussions in the XRLBOCK WG
  – Get some feedback from XRBLOCK experts
  – Look for better proposal to address this open issues
Status Update

• Magnus Raised this issue on the RTCWeb list in 18th of Feb and call for contribution until 17th of March.
• This issue was discussed on the RTCWeb mailing list.
• draft-ietf-rtcweb-use-cases-and-requirements-10 have two relevant requirements:
  – A26 The Web API MUST provide means for the application to obtain the statistics (related to transport, and collected by the browser) needed to estimate quality of service.
  – F38 The browser MUST be able to collect statistics, related to the transport of audio and video between peers, needed to estimate quality of service.
• draft-alvestrand-rtcweb-stats-registry-00.txt allows WebRTC endpoints that are browsers and have a stats API to get that side of information.
Reasons for RTCP XR support in RTCweb API

• For the statistics report using RTCP XR, Magnus summarized the potential motivation for RTCP-XR support to the following cases:
  – The peer is not a Browser but has RTCP XR, and one wants to access its view of the session, thus receiving and gathering RTCP XR reports enables one to get a better view of the whole RTP session.
  – One wants the collection to be in an WebRTC RTP media plane middlebox, and it should get the endpoints view also, thus RTCP XR is good.
Conclusion and Open question

• Conclusion (from XRBLOCK participant perspective)
  – XRLBOCK metrics block is useful for performance monitoring
  – Most XRBLOCK metrics block are applicable to a range of RTP application including IPTV application and RTCWeb application.
  – Which XRBLOCK metrics blocks are needed depend on application and usage.

• Open questions
  – What kind of use case do we have for RTCWeb applications for using XRBLOCK?
  – What information is really needed in the RTCWeb application?
Feedback?