WebRTC Additional Stats

draft-singh-xrblock-webrtc-additional-stats-01
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Motivation

F38

The browser must be able to collect statistics, related to the transport of audio and video between peers, needed to estimate quality of experience.

Based on

– huang-xrblock-rtcweb-rtcp-xr-metrics
– alvestrand-rtcweb-stats-registry

ietf-rtcweb-use-cases-and-requirements
Operation

• WebRTC Application at the receiver
  – queries the stats for the incoming (remote) RTP stream.

• If corresponding RTCP XR s are implemented,
  – the endpoint queries both incoming and outgoing RTP streams
Additional Stats (1/3)

- `SentPacketCount`
- `ReceivedPacketCount`
- `PacketsLost`
- `PacketsDiscarded`
- `PacketsRetx`
- `PacketsRepaired`

All identifiers are cumulative metrics
Additional Stats (2/3)

- `SentOctetCount`
- `ReceivedOctetCount`
- `OctetsDiscarded`

All identifiers are cumulative metrics
Additional Stats (3/3)

- FullFramesLostCount
- PartialFramesLostCount
- FramesDiscardedCount

Defined in RFC7004

All identifiers are cumulative metrics
Next Steps

• Already sent proposal to public-webRTC and rtcweb WG
  – Need reviews

• How to proceed?