

Considerations for Selecting RTCP Extended Report (XR) Metrics for the WebRTC Statistics API

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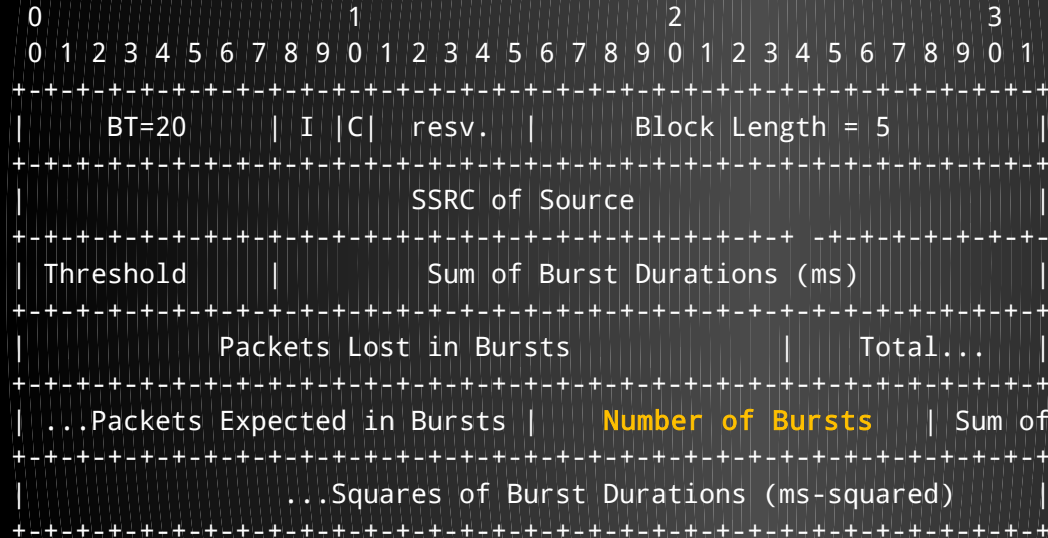
<https://tools.ietf.org/html/draft-ietf-xrblock-rtcweb-rtcp-xr-metrics-01>

Open issue

- **Section 6 makes RECOMMENDATIONS for metrics**
 - **6.7 Burst Packet Loss and Burst Discards**
 - **6.8 Burst/Gap Loss and Discard Rates**

Section 6.8 has `gapDiscardRate` and `gapLossRate` in addition to `burstDiscardRate` and `burstLossRate`, which cannot be derived by the raw information in Section 6.7.

Errata RFC6958



packet format shows: 12 bits, text is 16 bits.

will need some fix, including reserved bits (28 bits).

Errata RFC7003 or new draft?

- **RFC6958**: Burst/Gap Loss reports a "burst count" metric, which indicates the number of bursts in an reporting interval (cumulative or arbitrary time interval). However, RFC7003 does not report a corresponding burst count metric for discarded packets.
- The assumption was that the two reports would be sent together and one count applies to both.
 - correlated loss and discard will occur
- need metric for section 6.7 of xrblock-rtcweb-metrics

old

0										1										2										3									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
BT=21										I										resv										Block Length = 3									
SSRC of Source																																							
Threshold										Packets Discarded in Bursts																													
Total Packets Expected in Bursts																				Reserved																			

new

0										1										2										3									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
BT=xx										I										resv										Block Length = 3									
SSRC of Source																																							
Threshold										Sum of Burst Durations (ms)																													
Packets Discarded in Bursts																				Number of																			
Bursts										Total Packets Expected in Bursts																													