

RTCP XR Block for Summary Statistics Metric Reporting

draft-ietf-xrblock-rtcp-xr-summary-
stat-02

Glen Zorn (glenzorn@gmail.com)

Roland Schott (roland.schott@telekom.de)

Qin Wu (bill.wu@huawei.com)

Rachel Huang (rachel.huang@huawei.com)

Updates Since 00 Version

- Improved SDP section
 - Added a subsection to include the extended syntax.
 - Added a subsection to clarify SDP Offer/Answer usage
- Editorial changes
 - Fixed the description misplacing problem of “Interval Metric Flag” and “Reserved” fields in burst/gap discard summary statistics block.
 - Fixed the name and order mismatching problem of the statistics fields in frame impairment statistics summary block.
- updated references
 - Updating some reference to the latest version.

Issue# Choosing Discard Type

- In the last meeting one issue raised was how to choose discard type since 4 discard type is defined in the Discard metric block.
 - It was agreed on the list to use a single instance of the discard count block with DT-3 as one option since it is more straightforward to know the total discard.
- Another option has been raised in the mailing list:
 - Could we use 2 instances of the discard count block with DT=1 and DT=2 included in the same RTCP compound packet ?
 - Calculate the total discard as the sum of packet discards due to early arrival (DT=1) and packet discards due to late arrival (DT=2).
- In current draft, we take both options. Any other options?

Issue# Terminology Inconsistency

- The third block is application level metrics which are about statistics of frames and applicable to any video codecs.
- The problem is that some codecs don't use the term "frame" to indicate their application data packet.
 - H.264 using "access units" and "IDR Picture".
- Our proposal:
 - Change the definition of "Picture Type" to include the terminology of H.264 as follows:

NEW TEXT:

"

Picture Type

Picture types used in the different video algorithms compose of the key frame and the Derived frame. Key frame is also called a intra-coded frame [H.222.0] or IDR picture [H.264] and used as a reference frame for predicting other pictures. It is coded without prediction from other pictures.

The Derived frame is derived from Key-frame using prediction.

"

Next Steps

- Make decisions on open issues
- Create new version to address the opens issues
- Comments?