

High Resolution RTCP XR Metrics

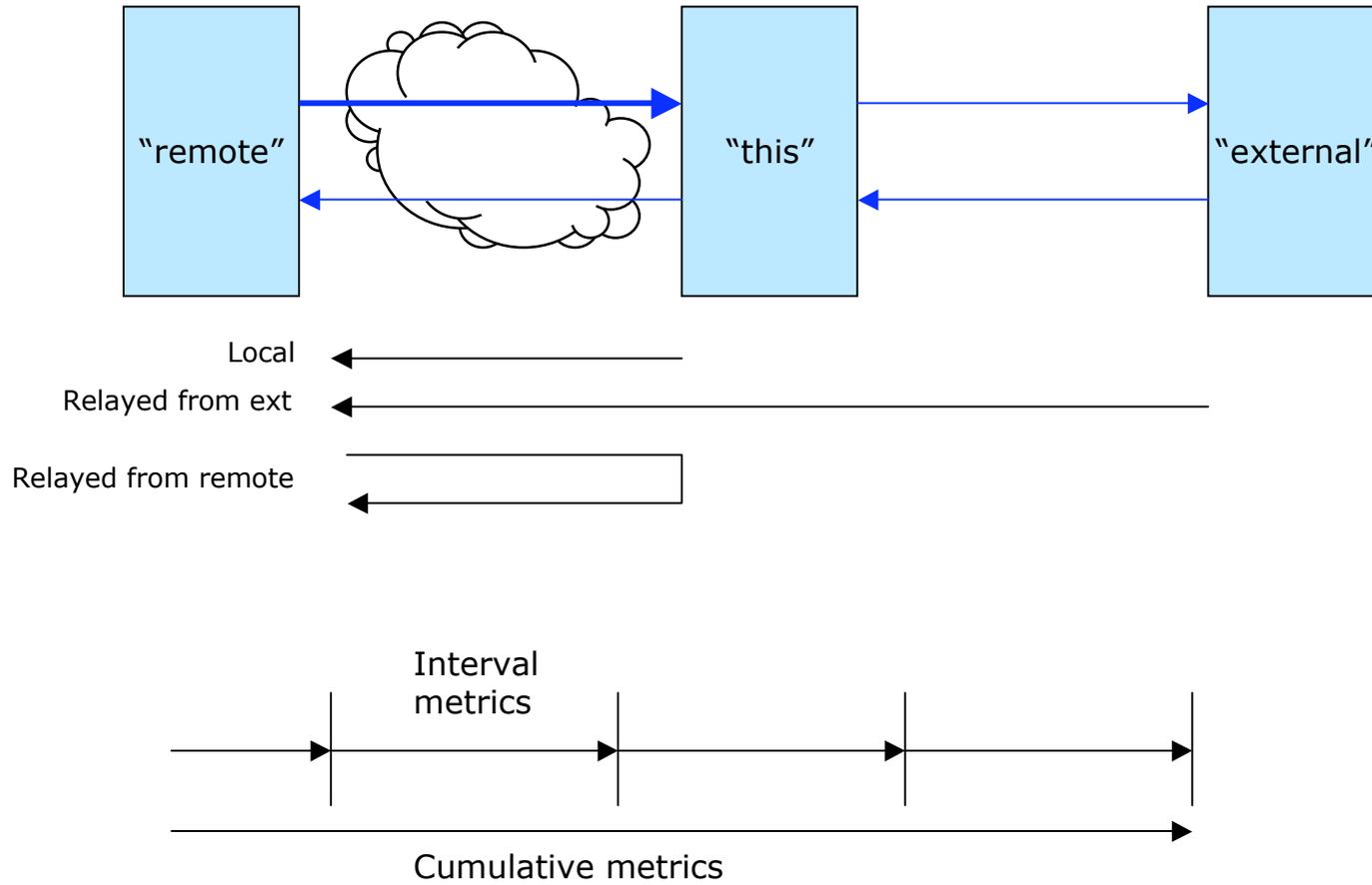
draft-clark-avt-rtcphr-01.txt

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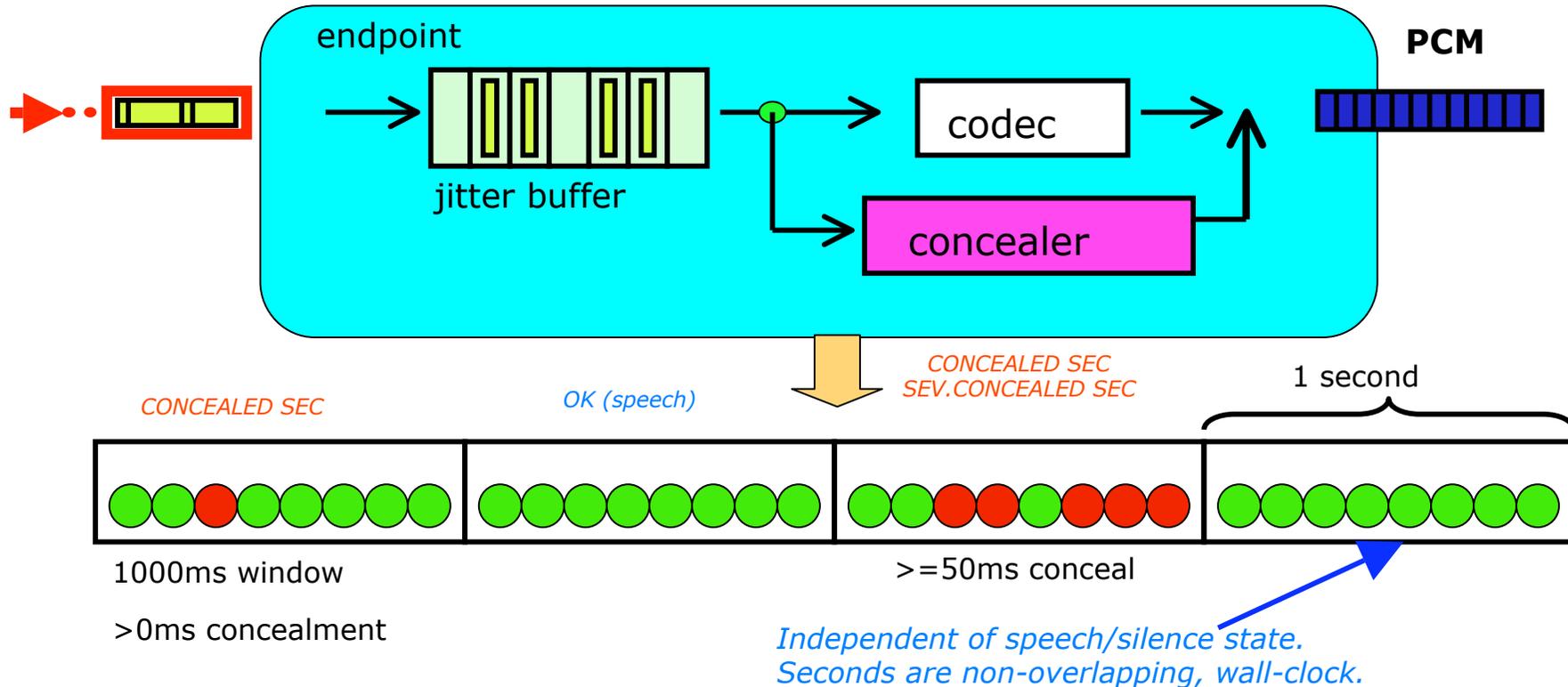
RTCP HR draft

- Similar concept to RTCP XR VoIP Metrics block
- Modular structure - sub-blocks
- Extends resolution of metrics
 - MOS estimates to 16 bits instead of 8
- Extends number of metrics
 - Concealed seconds, Severely concealed seconds
 - Wider range of jitter metrics
- Adds configuration block
 - Type of QoE algorithm
 - Codec type
 - Other data that stays essentially constant

Reference model (issue)



RTCP-HR Concealed Seconds Sub-block (new)



PARAMETERS:

Unimpaired seconds (US): No frame loss or discard

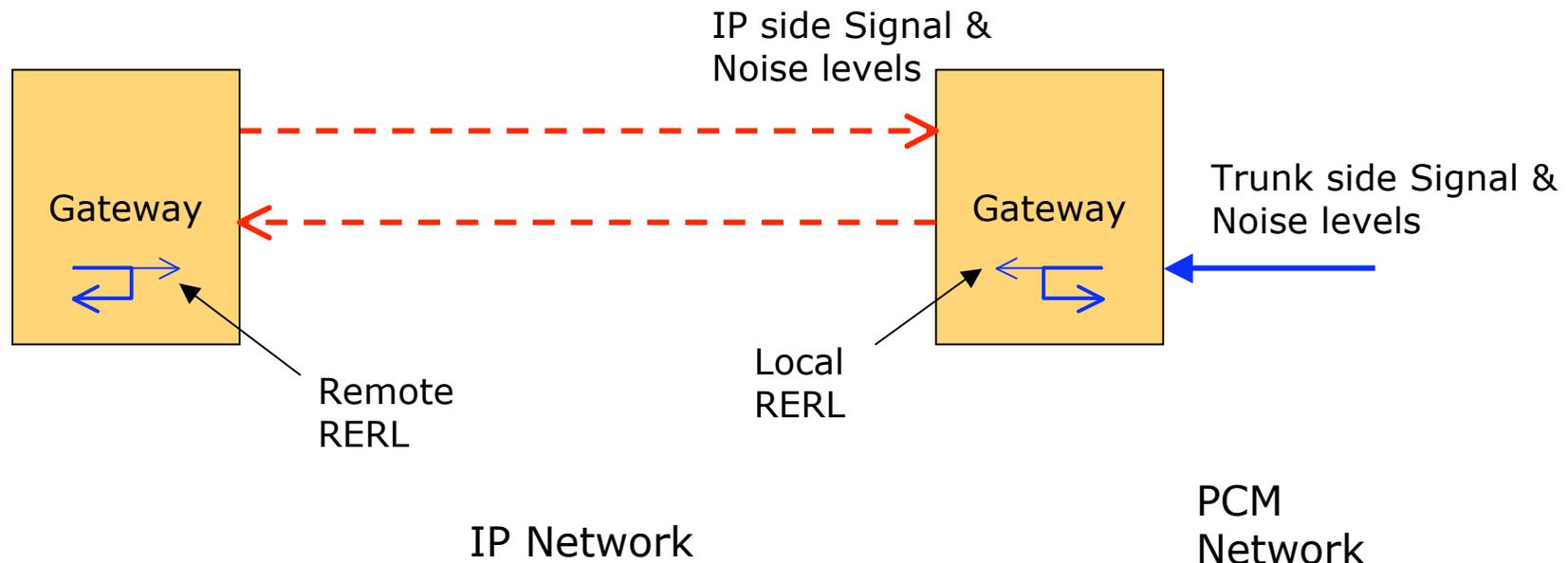
Concealed Second (CS): Second with any frame loss or discard

Severely concealed Second (SCS): Second with frame loss/discard above SCS threshold

SCS threshold: Milliseconds of loss/discard for SCS classification, default 50 ms

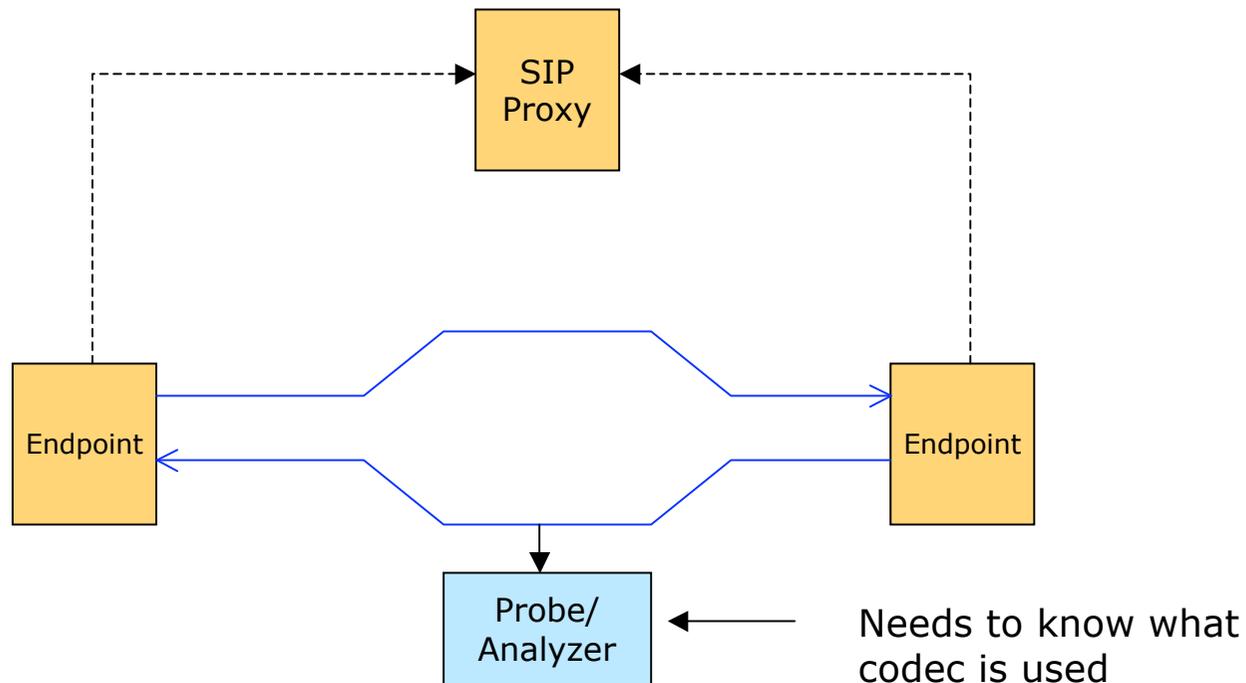
Call Quality Metrics sub-block (extended)

- Listening & Conversational Quality MOS and R
 - Increased resolution from 8 to 16 bits vs RFC3611
- Signal, Noise, Echo levels



Issue - duplication of signaling data

- Configuration block duplicates some data available through signaling protocol



Other issues....

- Header format should be consistent with other XR reports (to allow this block to be skipped)
 - Will address in next draft
- Definitions associated with start and end of call
 - Clarify text
- Correlation header

Issues & next steps

- Next steps
 - Very active reviewers, several implementors
 - Get next draft complete in June timeframe
 - ITU SG16 plan to use in H.248