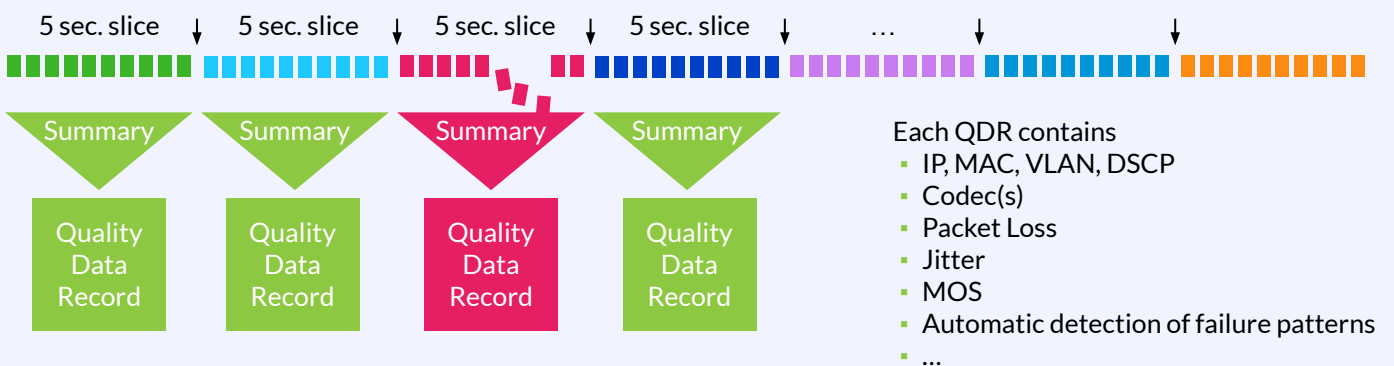


Unique RTP Time-Slicing Technology

Qrystal provides market-leading temporal detail through unique RTP time-slicing technology as recommended in ETSI TR 103 639.

Media streams are analyzed in 5-second chunks to create quality data records (QDR), containing highly condensed measurements for every RTP stream segment. QDRs are generated by the Qrystal Probes and contain hundreds of values, ratios, KPIs, and indicators.

RTP Stream



Indicators enable effective root cause analysis, as they automatically identify QDRs that suffered from specific impairment types, such as network overload conditions. The key to this is Voipfuture's

patented pattern-matching technology which analyzes RTP streams in real-time. The QDR information is subdivided into the following groups:



Network transport performance in terms of jitter, packet loss, burst loss, loss density, etc.



Conformance of RTP senders to standards and best practices



Conformance of RTP traffic to network policies, for example correct DSCP settings



User experience in terms of MOS & R-Factor according to ITU-T G.107 (E-Model)

The unique 5-second detail of Qrystal QDRs overcomes the limitations and inaccuracies of conventional metrics using average values per call. It lets you quickly identify the exact time and location of an impairment, making troubleshooting and service quality management highly effective.