Draft-ietf-avt-rtcp-xr-mib-01.txt

Authors: Alan Clark, Amy Pendleton

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Current draft status

- Incorporated many comments from Dan Romascanu, Rajesh Kumar and others
- Major changes
  - Split into separate tables for session identity, basic parameters and call quality metrics
  - Added history table to store aggregate data
    - Ideal for large endpoints (i.e. gateways, conference units) or collectors (i.e. call server, probes)
  - Major syntax cleanup - now passes smilint with no errors or warnings

Comments incorporated

- Comments incorporated:
  - Includes object for call quality algorithm used
  - Compliances added - provides various recommended subsets of MIB
  - Many other comments incorporated
- Previous IETF - asked to make provision for other XR payloads
  - In practice this would overcomplicate the MIB, asked WG chairs for advice - ok to leave out

New Comments since version 01

- rtcpXrBaseParamDurationMs provides the duration in milliseconds, counter will wrap around every 49.7 days. Is there a special reason that the duration needs to be with millisecond precision?
  - No. Units will be changed to seconds for next version.

- rtcpXrSessionIDAltMeasurePt. An endpoint will not know about existence of a probe or SBC and as such will not provide this information. In such cases what value should the "RowPointer" have ?
  - Clarification text will be added to the next version.

- rtcpXrHistoryGroupName is read-only. Making this read-write would allow a particular implementation to choose to permit configuration of the names of the different history groups.
  - Will be changed in the next version.

…New Comments since version 01

- Need to clarify relation of "rtcpXrHistoryMinOneWayDelay“ to RTCP XR metric Round Trip Delay
  - Generally assumed to be ½ RTT, but can be left to implementation. Suggested usage text will be added to next version.

- Need to define "rtcpXrHistoryMinJitterLevel", "rtcpXrHistoryMaxJitterLevel" and "rtcpXrHistoryAvgJitterLevel".
  - Intended to use cumulative values for RFC3550 “interarrival jitter.” Will add clarification text to next version.

- The history table holds "rtcpXrHistoryMinRCQ", "rtcpXrHistoryMaxRCQ" and "rtcpXrHistoryAvgRCQ". Which RTCP-XR values do these values map to ?
  - These values are cumulative, averaged values of conversational R, or RTCP XR “R factor”. Will add clarification text to the next version.

Implementation status

- At least two companies implementing the draft MIB
  - Seems to have very few and minor issues
  - Feedback is that MIB is very useful for VoIP media path performance management

Next Steps

- Comments?