User Devices Explicit Monitoring

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Proposal: EFM Probes on user devices

- The draft proposes to put Explicit Flow Measurements probes also on user devices (e.g., smartphones, tablets, PCs).

- **Strengths:**
  - **Scalability.** On the user device there are few connections to monitor.
  - **More precise measurements.** Client application delay can be measured.
  - The monitoring of both directions is guaranteed.
  - **Network monitoring equipment savings.** Network probes can monitor only impaired connections through “**user device and network probes coordination**”. It’s possible to set alarm thresholds on the user device signaling to network probes to monitor only sessions with impairments.
  - **Metric improvements.** Not E2E metrics (like Q-Bit) become E2E if measured at the endpoint; L-Bit measures are not affected by losses and therefore more reliable.

- **“User device EFM assumptions”:**
  - The device owner decides whether to mark his traffic.
  - The device owner decides whether to share his performance data.

Want to collaborate? Contact us!