Enhanced Alternate Marking Method

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Tianran Zhou
Giuseppe Fioccola
Weidong Li
Huawei

Yisong Liu
China Mobile

Shinyoung Lee
LG U+

Mauro Cociglio
Telecom Italia
Alternate Marking (RFC9341, RFC9342) is a hybrid PM method.
- It can be used to measure packet loss, latency, and jitter on live traffic.
- RFC9341 requires one or two bits to mark consecutive batches of packets.
- RFC9342 allows a flexible performance management approach.

However, there are some pending points to explore:
- In some protocols, no additional bit can be used.
- Deployment experience requirements (e.g. entropy of the pseudo-random FlowMonID).
- Implementation of the whole framework, included multipoint measurements.

This draft aims to consider all these aspects and generalize the AltMark Data Fields for all transport protocols:

The extended data fields can be used for several applications:
1. **shortest marking periods** of single marking method for thicker packet loss measurements.
2. **more dense delay measurements** than double marking method (down to each packet).
3. **increase the entropy of flow monitoring identifier** by extending the size of FlowMonID.
4. **automatically set up the backward direction** flow monitoring.
5. (further extensions to explore)
Thank You

Comments are welcome!