

Enhanced Alternate Marking Method

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Tianran Zhou

Giuseppe Fioccola

Weidong Li

Huawei

Yisong Liu

China Mobile

Shinyoung Lee

LG U+

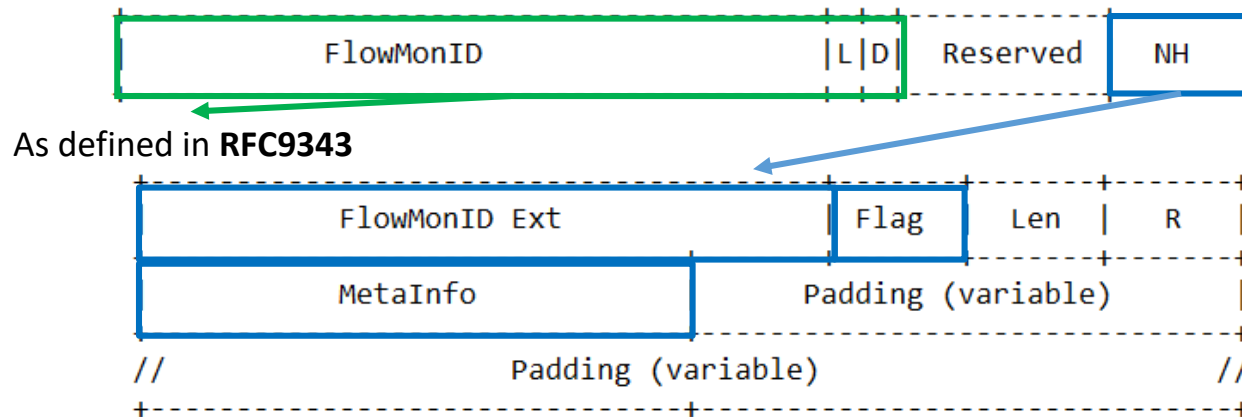
Mauro Cociglio

Telecom Italia

How To Augment Alternate-Marking

- Alternate Marking ([RFC9341](#), [RFC9342](#)) is an 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 the 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!