

IP Flow Information Export (IPFIX) Alternate-Marking Information Elements

draft-ietf-opsawg-ipfix-alt-mark-02

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Thomas Graf
Swisscom

Giuseppe Fioccola
Tianran Zhou
Huawei

Mauro Cociglio
Massimo Nilo
Telecom Italia

IPFIX AltMark IEs: Recap

This document requests IANA to create new elements under the "IPFIX Information Elements" registry.

- With AltMark (RFC9341, RFC9342), each node must export telemetry data at each period for the monitored flow.
- It is needed a combination of already existing IEs and new IEs:
 - The existing IEs for the flow identification are: **source address**, **destination address**, **protocol** and **ports**.
 - The new IEs to complete the information to export, as per RFC9343, are:
 - **FlowMonID** (flow monitoring identifier)
 - **LossFlag** (Loss flag)
 - **DelayFlag** (Delay flag)
 - **PeriodNumber** (AltMark period ID)

Changes from -01 to -02

Inputs from Paul Aitken have been addressed:

- Each IPFIX sub-registry contains values for a single IE. There are no sub-registries for multiple IEs. It is not necessary to create an IPFIX Alternate-Marking sub-registry.
- No designated expert is needed. Experts are only required when future additional values are anticipated for an IE. In this case all the IEs seem complete.
- FlowMonID and flowid (IE148) are separated to avoid overlapping, since flowid could be used for other purposes and simultaneously with FlowMonID, that only identifies the monitored flows with AltMark
- Few editorial changes and name changes

Next Steps

- Move it forward to WGLC
- The companion documents in IPPM are also progressing (i.e. draft-ietf-ippm-alt-mark-deployment, draft-ietf-ippm-alt-mark-yang)

Comments are always welcome!

Thank You