EtherType Protocol Identification of In-situ OAM Data

In-situ OAM raw data export with IPFIX

draft-weis-ippm-ioam-eth-05
draft-spiegel-ippm-ioam-rawexport-06

IETF 113, IPPM WG
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Two mature drafts - recently refreshed

Original objective: Provide a simple, standards-based way to export IOAM data from a node

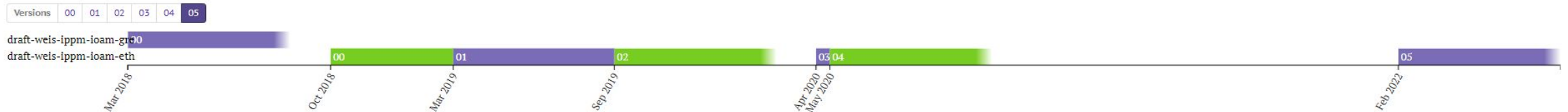draft-spiegel-ippm-ioam-rawexport-06

defines how IOAM data fields be exported in raw, i.e. uninterpreted, format from network devices to systems, such as monitoring or analytics systems using IPFIX.

Original objective: Provide a means to encapsulate IOAM into protocols that use Ethertype

draft-weis-ippm-ioam-eth-05

defines an EtherType that identifies IOAM data fields as being the next protocol in a packet, and a header that encapsulates the IOAM data fields. GRE and Geneve encapsulation as examples.

Next Steps

- draft-spiegel-ippm-ioam-rawexport-06
  - Adopt or sunset?
  - Adoption would ensure that there is at least one standard (yet simple) way to export IOAM data from a node.

- draft-weis-ippm-ioam-eth-05
  - Adopt or sunset?
  - Ethertype allocation would require a WG adopted document with WG consensus (one can read this as WG last call completed). With that consensus, IESG could formally apply for an Ethertype with IEEE.