

A YANG Data Model for the Alternate Marking Method

draft-gfz-ippm-alt-mark-yang-01

Prague, Nov 2023, IETF 118

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Alternate-Marking YANG Data Model

The AltMark YANG model is shown below (same structure of per draft-ietf-ippm-ioam-yang).

```
module: ietf-alt-mark
  +--ro altmark-info
  | +--ro timestamp-type?
  | +--ro available-interface*      [if-name]
  |   +--ro if-name                if:interface-ref
  +--rw altmark-profiles
  +--rw admin-config
  | +--rw enabled?                 boolean
  +--rw altmark-profile            [profile-name]
  +--rw profile-name              string
  +--rw filter
  | +--rw filter-type?            altmark-filter-type
  | +--rw ace-name?               -> /acl:acls/acl/aces/ace/name
  +--rw protocol-type?            altmark-protocol-type
  +--rw node-action                altmark-node-action
  +--rw period?                   uint64
  +--rw flow-mon-id?              uint32
  +--rw measurement-mode?         altmark-measurement-mode
  +--rw enable-loss-measurement?  boolean
  +--rw enable-delay-measurement? Boolean
```

The "altmark-profile" contains the detailed information for the AltMark data:

- **profile-name**: it is the unique identifier for each AltMark profile
- **filter**: it is used to identify a flow, where the AltMark data can be applied
- **protocol-type**: it is used to indicate the protocol for the AltMark application
- **node-action**: indicates the operation applied to the flow (e.g. marking, read, or unmarking).
- **period**: it indicates the AltMark period.
- **flow-mon-id**: it is used to identify the monitored flow and to correlate the exported data.
- **measurement-mode**: it specifies the measurement mode, hop-by-hop or end-to-end.
- **enable-loss-measurement**: if true, it enables loss measurements.
- **enable-delay-measurement**: if true, it enables delay measurements.

Thank You

Comments are welcome!