

Type-P Descriptor Monitoring in TWAMP

draft-hedin-ippm-type-p-monitor-01

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Problem Statement

- TWAMP Control or TWAMP-Light define DSCP value to be used by Session-Sender and Session-Reflector
- Re-marking might be intentional or erroneous
- Optional monitoring of Type-P Descriptor by Sender might be beneficial and requires cooperation by Session-Reflector

TWAMP-Control Extension

- Type-P Descriptor Monitoring Capability
 - Server sets Type-P Descriptor Monitoring flag (proposed 128) in the Modes field of its Greeting message
 - Client, if agrees, sets Type-P Descriptor Monitoring flag in Setup Response message

TWAMP-Test Extension

Sender TTL			MBZ
0	0	Sender Type-P Descriptor	Reserved

First two bits MUST be 00 (per RFC5357)

Reflector copies value of Sender Type-P Descriptor into following six bits

For Symmetrical mode (RFC 6038) to work with Type-P Descriptor

Monitoring size of Padding Length SHOULD be ≥ 34 octets

Next steps

- Solicit comments & feedback from the WG