Simple TWAMP (STAMP) Extensions for Segment Routing Networks

draft-ietf-ippm-stamp-srpm-02

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Agenda

- Updates in Revision 02
- STAMP-based Work in other WGs
- Next Steps
Updates in Revision 02

✓ Minor editorial changes
✓ IANA requests converted in table format
✓ Currently no open issues
STAMP-based Work in other WGs

**draft-ietf-spring-stamp-srpm-02**
- Performance Measurement Using Simple TWAMP (STAMP) for Segment Routing Networks

**draft-ietf-spring-stamp-enhanced-srpm-00**
- Enhanced Performance Measurement Using Simple TWAMP in Segment Routing Networks

**draft-gandhi-mpls-stamp-pw-00**
- Encapsulation of Simple TWAMP (STAMP) for Pseudowires in MPLS Networks
Next Steps

• Welcome your comments and suggestions
Thank you
Backup
STAMP Destination Node Address TLV

Destination Node Address TLV (value TBA1):

- Indicates the address of the intended destination of the Session-Sender test packet
- MUST be included when Session-Sender test packet is sent with IPv4 destination address in 127/8 range or Flow Label with IPv6 address ::1/128 (e.g. sweeping ECMP paths)
- Session-Reflector that supports this TLV, MUST transmit reply test packet with Error D (Wrong Destination) in the STAMP TLV Flags field if it is not the intended destination of the received Session-Sender test packet
Return Path TLV (value TBA2) to carry Sub-TLV:

Return Path Sub-TLV Types:

- Type (value 1): Return Path Control Code. Reply test packet based on the control code flags:
  - 0x0: No Reply Requested
  - 0x1: Reply Requested on the Same Link

- Type (value 2): Return Address. Destination address for the reply; different than the Source Address in the Session-Sender test packet

- Type (value 3): SR-MPLS Label Stack of the Return Path

- Type (value 4): SRv6 Segment List of the Return Path

Figure: Segment List Sub-TLV in Return Path TLV
Thank you