

Simple Two-way Active Measurement Protocol (STAMP)

Extensions

draft-ietf-ippm-stamp-option-tlv

Greg Mirsky gregimirsky@gmail.com

Guo Jun guo.jun2@zte.com.cn

Henrik Nydell hnydell@accedian.com

Ernesto Ruffini eruffini@outsys.org

Richard Foote, footer.foote@nokia.com

Xiao Min xiao.min2@zte.com.cn

Adi Masputra adi@apple.com

Update

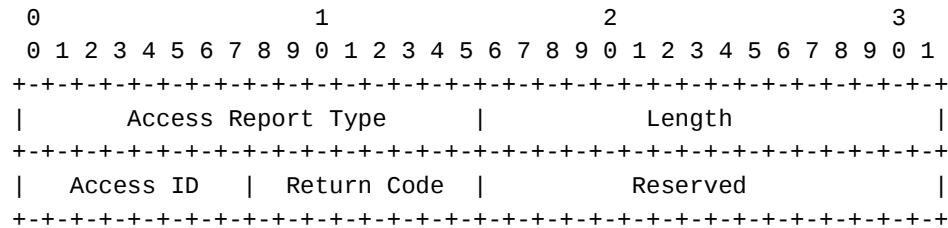
- Welcome Adi Masputra and Ernesto Ruffini
- New extensions:
 - Access Report TLV
 - Follow-up Telemetry TLV

Access Report TLV

- Access Report TLV MAY be included by a STAMP Session-Sender to report the state of the access network.

- The type of the access network indicated by the Access ID field:

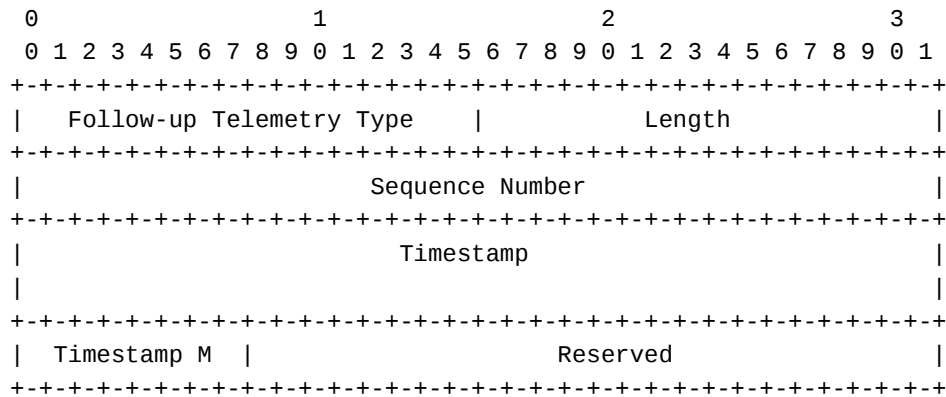
- 3GPP - Radio Access Technologies specified by 3GPP
- Non-3GPP – accesses that are not specified by 3GPP



- The value in the Return Code field identifies the state of the access network:
 - Available
 - Not available
- The Session-Sender upon transmission of the test packet with Access Report TLV sets the retransmission timer (default 3 sec). Access Report TLV MAY be re-transmitted up to four times.
- The Session-Reflector that received the Access Report TLV MUST include in in the reflected packet and copy values from Access ID and Return code fields.
- The retransmission timer at Session-Sender is cleared once a reflected packet received that includes Access Report TLV with the Access ID and Return Code values as in the transmitted packet.

Follow-up Telemetry TLV

- In some environments a Session-Reflector may not be able to transmit the accurate Timestamp (time of the reflected packet transmission). More accurate value may be available to the Session-Reflector only after the transmission has started. Optional STAMP extension, Follow-up Telemetry TLV, may be used to collect such time value from the Session-Reflector



- Sequence Number is the Sequence Number of the reflected packet to which the follow-up value in the Timestamp field is applicable
- Timestamp M(ethod) is the method of obtaining the follow-up timestamp.

Next steps

- Comments are welcome
- WGLC?