

# Simple Two-way Active Measurement Protocol (STAMP) YANG data model draft-ietf-ippm-stamp-yang

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# Updates

- A great review and comments from Rakesh Gandhi
- Welcome Rakesh as the co-author
- Detailed STAMP Extensions per RFC 8972

# STAMP Extensions

- feature:
  - extra-padding-tlv
  - location-tlv
  - timestamp-information-tlv
  - class-of-service-tlv
  - direct-measurement-tlv
  - access-report-tlv
  - hmac-tlv
- container:
  - stamp-extra-padding
  - stamp-location
  - stamp-timestamp-information
  - stamp-class-of-service
  - stamp-direct-measurement
  - stamp-access-report
  - stamp-hmac

# typedef stamp-tlv-flags

```
typedef stamp-tlv-flags {  
    description  
        "STAMP TLV flags";  
    type bits {  
        bit unrecognized; {  
            position 0;  
            description  
                "A Session-Reflector sets the flag  
                to 1 if the Session-Reflector has  
                not understood the TLV.";  
        }  
        bit malformed {  
            position 1;  
            description  
                "A Session-Reflector sets the flag  
                to 1 if the Session-Reflector  
                determined the TLV is malformed.";  
        }  
        bit integrity {  
            position 2;  
            description  
                "A Session-Reflector sets the I flag  
                to 1 if the STAMP extensions  
                have failed HMAC verification."  
        }  
    }  
    reference  
        "RFC 8972 Section 4";  
}
```

# container stamp-extra-padding

```
container stamp-extra-padding {
  if-feature extra-padding-tlv {
    description
      "An extra padding to be used
      by the Session-Sender.";
    leaf stamp-extra-padding-flags {
      type stamp-tlv-flags;
    }
    leaf length {
      default 0;
      type unit16;
      description
        "The length of Extra Padding TLV";
    }
  }
  reference
    "RFC 8972 STAMP
    Optional Extensions Section 4.1.";
}
```

# Next steps

- Complete YANG model of STAMP Extensions
- Update diagrams and examples in Appendix
- Comments are welcome
- WG LC after one more version

Thank you!