

Session ID and Control Code Options for STAMP Message Format

Contact: Rakesh Gandhi - Cisco Systems (rgandhi@cisco.com)

March 10, 2020

Option 1: Variable Length Session ID Part of Existing Sequence Number

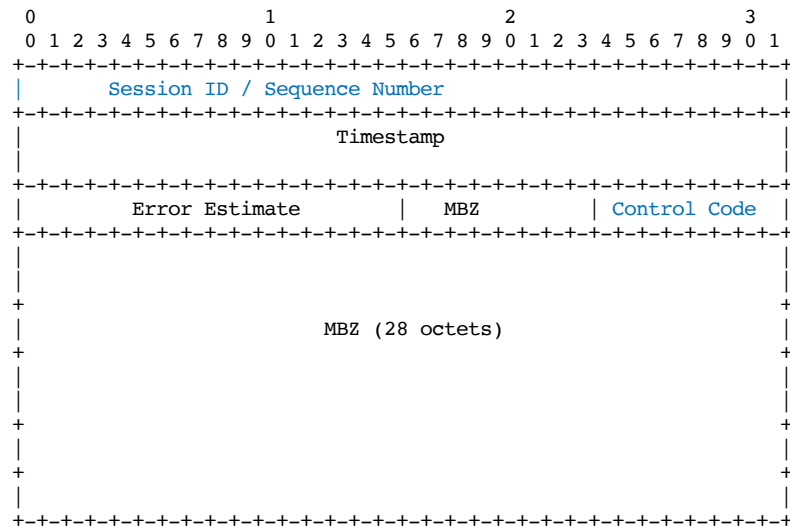


Figure: Sender Message Format in STAMP

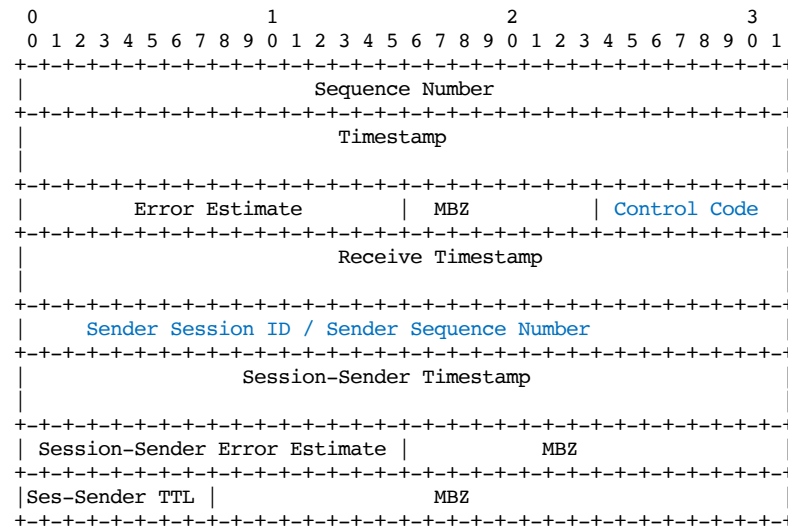


Figure: Reflector Message Format in STAMP

- ✓ Control Code compatible with TWAMP Light message format
- ✓ No change for Session ID in both message formats – STAMP and TWAMP Light

Option 2: New 24-Bit Session ID Field

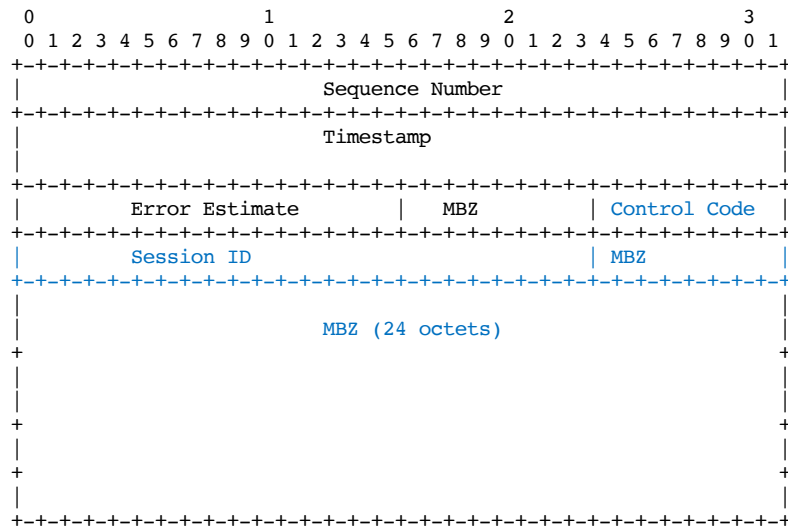


Figure: Sender Message Format in STAMP

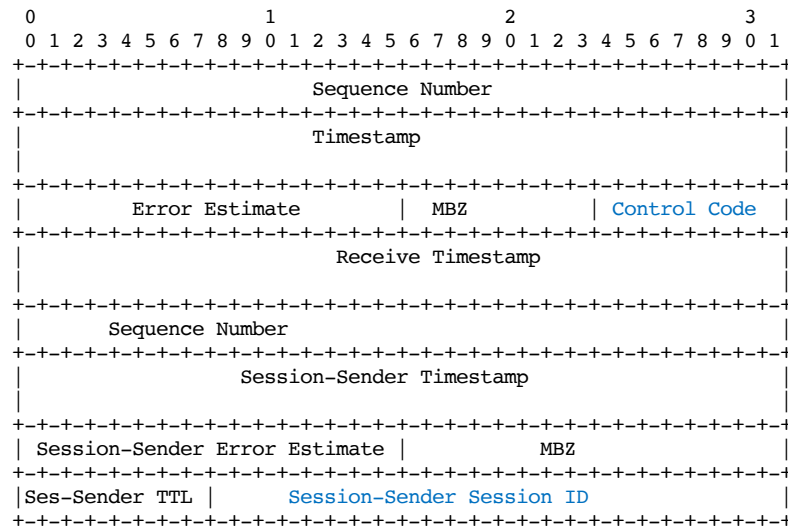


Figure: Reflector Message Format in STAMP

- ✓ Control Code compatible with TWAMP Light message format
- ✓ Session ID is 24-bit which is good

Option 3: 32-bit Session ID in TLV

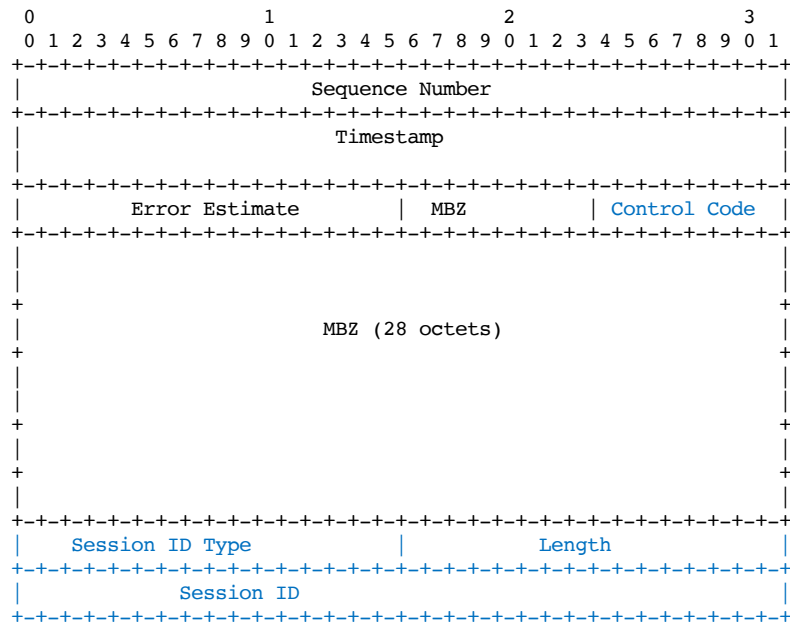


Figure: Sender Message Format in STAMP

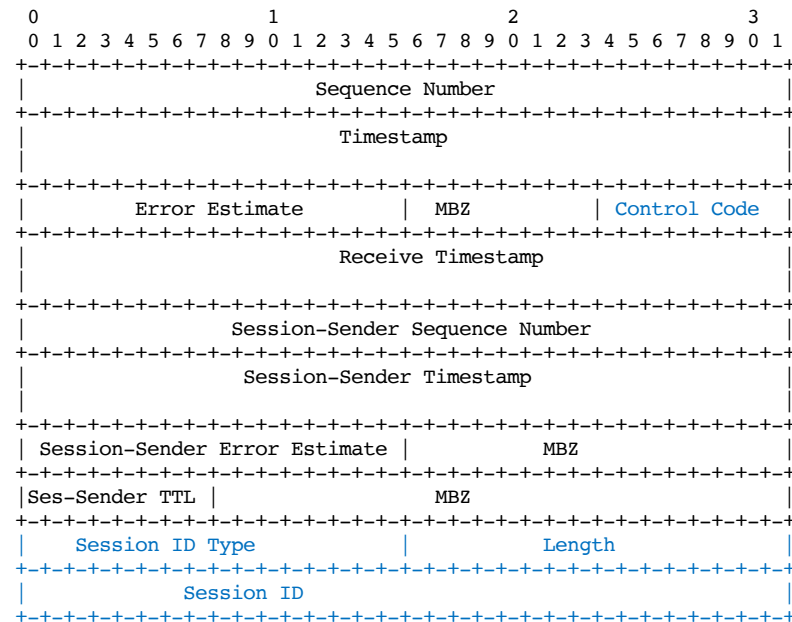


Figure: Reflector Message Format in STAMP

- ✓ Control Code compatible with TWAMP Light message format
- ✓ Session ID is not needed for TWAMP Light, so this option is also fine

Option 4: 16-bit Session ID

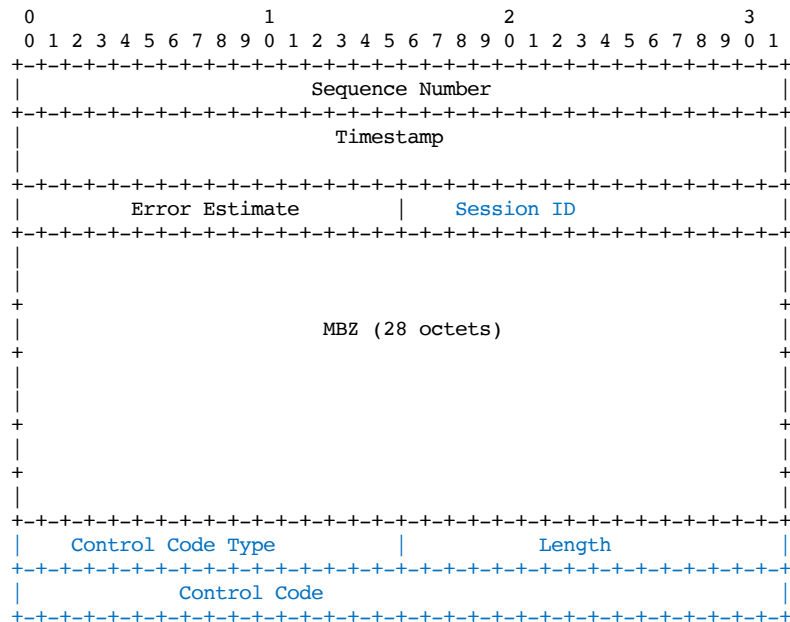


Figure: Sender Message Format in STAMP

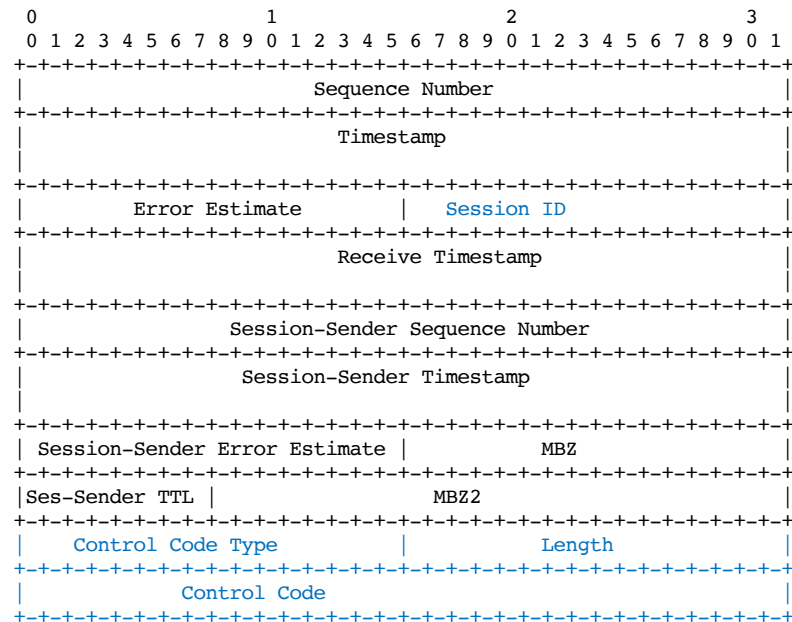


Figure: Reflector Message Format in STAMP

- ✓ Control Code NOT compatible with TWAMP Light message format
- ✓ Session ID has only 16-bits
- ✓ Message formats for TWAMP Light and STAMP diverge – TWAMP Light also needs Control Code
- ✓ This option is least favorable

Thank you