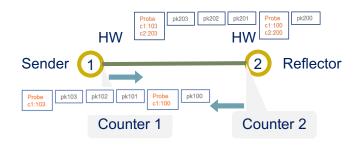
Link/P2P L2 Circuits - Counter-stamping in Hardware



- · Advertise extended TE metrics link loss percentage
 - RFC 8570 (IS-IS)
 - · RFC 7471 (OSPF)
 - · RFC 8571 (BGP-LS)

```
• TX Packet Loss %
= 100* ( ( C1(t) - C1(t-1) ) - ( C2(t) - C2(t-1) ) / ( C1(t) - C1(t-1) )
= 100* ( ( (103 - 100) - (203 - 200) ) / (103 - 100) )
= 0
```

Direct Measurement TLV vs. Direct Loss Measurement Probe Packet

Attribute	Direct Measurement TLV	Direct Loss Measurement Probe Packet
Minimum bytes to load in write-able memory in hardware (not accounting multiple TLVs)	114 (Eth 18, IPv6 40, UDP 8, STAMP 44, TLV Type 4, Total = 114 Byte)	70 (Eth 18, IPv6 40, UDP 8, Seq 4, Total = 70 Byte)