MPLS(TP) Loss Delay

draft-ietf-mpls-loss-delay-01
draft-ietf-mpls-tp-loss-delay-profile-02

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Status

- Four week last call started 7th Feb 2011
- A number of comments received, draft updated to reflect the discussion on the list and new draft about to be issued.
- Some discussion WRT timestamp, in particular should we change to NTP MUST, or make IEEE1558 and NTP MUST, or specify no MUST.
- We need a default/MUST implement TS to ensure interoperability.
- TS will need h/w support so we really want only one MUST

Timestamp Issues

- Initially proposed NTP, but changed to IEEE1588 at request of early comments, and to align with ITU-T.

- NTP was the natural choice in IETF, but development of high quality timing infrastructure using NTP are not getting traction.

- IEEE1588 has become de facto high accurate time service, but needs specially engineered time dist'n network.

- One way measurement needs the best time service available.

- Converting NTP <> IEEE1588 not trivial.

Conclusion

- Much as we would like to revert to NTP to be consistent with other IETF protocols this is as odds with the situation we find in networks with high accuracy time distribution systems.

- Therefore we recommend that the draft continues with IEEE1588 as MUST, but notes that systems SHOULD be able to read/process timestamps received in NTP format.