

draft-ali-ccamp-te-metric-recording-03.txt

CCAMP – IETF 85

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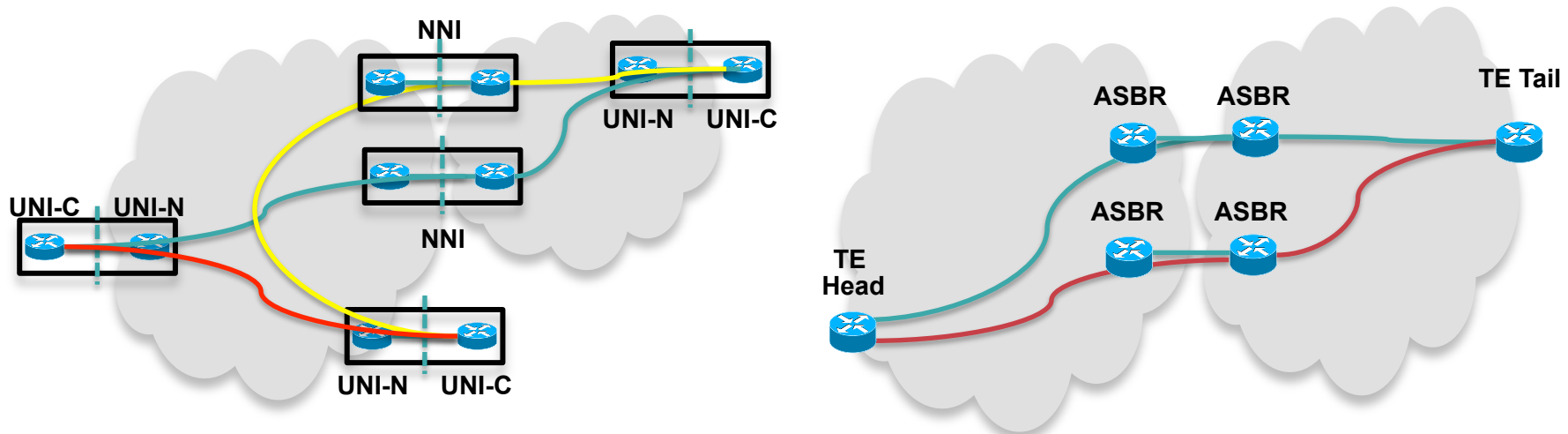
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Overall Problem Space

- Between areas, ASes, across UNIs and NNIs, visibility of TE Database information is limited
- The aim is to allow path diversity across such boundaries, while respecting that not information can or will be shared
- This draft pertains especially to boundaries where policy limits information flow
- E.g. at a UNI where the operator limits visibility into the network



Metric Recording

- Latency and latency variation have been identified as critical metrics
e.g. in financial networks [draft-ietf-ospf-te-metric-extensions], [draft-previdi-isis-te-metric-extensions].
- In inter-domain or GMPLS overlay networks,
 - Ingress node may not know route of a uni-directional (FA) LSP.
 - Ingress and egress nodes may not know route of a bi-directional (RA) LSP.
- Endpoints of an FA or RA need to advertise these in client layer IGP

Changes from -00

- Added Matt Hartley as an author
- Now two authors in common with SRLG Collection draft
- Added use of LSP-ATTRIBUTES to allow partial collection if LSP-REQUIRED-ATTRIBUTES fails
- Text improvements

Next Steps

- Keep aligned with SRLG collection
 - Add flags for Partial and Summarized information
 - Useful if policy causes a UNI-N or other intermediate node to edit RRO before passing on
 - For example to hide nodes between the UNI-Ns
- Request Working Group adoption