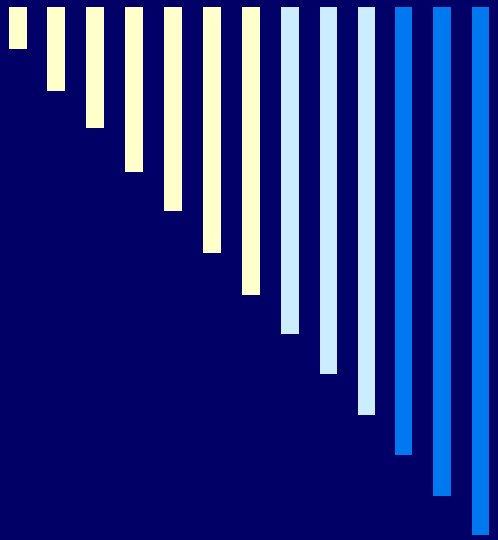

Spatial Composition Draft - 00

Al Morton and
Emile Stephan, Editors
Lei Liang and many others
March 21, 2006

Status

- Originally Proposed at IETF-63 and developed further at IETF-64
  - Composed Finite one-way delay metric
  - Composed Loss
  - Loss and Delay Metrics as a “Couple”
- There was enough interest to charter this work
- draft-ietf-ippm-spatial-composition-00

New Material in spatial-composition-00

- Terminology (section 3.1)
  - Sub-Path, Complete Path, etc.
  - Terms may move to the Framework, if sufficiently general
- Delay Variation (section 6.1)
  - Exact specification of the RFC 3393 Selection Function needed for the Y.1540 IPDV Parameter
  - Multiple Composition Relationships TBP

Further Development

- Rationalize with new Framework's Requirements for Metrics
  - Emphasis on Deviations from Ground Truth
  - Terminology: "Composed Metric"
- Try (harder) to reduce redundancy in metric definitions
- Add Composed Metrics that are "more than Averages"

Open Issues (section 11) IPPM is asked to Comment:

- Loss and Delay “Combo” metric
  - Comments on Efficiency? Same Draft?
- Multicast metrics
  - Unicast enough for a start? New Draft?
- Decomposition
  - What is the relationship between the decomposition and composition metrics? Should we put both kinds in one draft to make up a framework?

Issue for discussion: de-composition

- Definition: Estimate sub-path metrics/meas. from complete path metrics.
- Motivation is trouble location/isolation.
- What is the relationship between the decomposition and composition metrics? Should we put both kinds in one draft to make up a framework?
- What other information is needed to de-compose a complete path metric?
- Is the decomposition intended to estimate a metric for some/all sub-paths involved in the complete path?

Questions on De-composition

What sorts of scenarios are envisioned for de-composition?