Framework for Metric Composition +
Spatial Composition of Metrics

Al Morton + many others
July, 2009
Overall Framework
(includes common concepts and definitions)

Temporal Aggregation Draft

Spatial Aggregation Draft

Spatial Composition Draft

... and maybe others

draft-ietf-ippm-framework-compagg-08.txt

draft-ietf-ippm-spatial-composition-09
Types of Composition

- Complete/Sub-Path (or Concatenation in Space)
- Aggregation in Time (12x5min stats -> 1hr)
- Aggregat. in Space
Yaakov Stein’s comments were forgotten in version 07, but this was revealed at the last meeting.

Yaakov’s comments on the Spatial Draft affected the Framework in several areas:

- Definition of Sub-path was clarified
- Deviation from Ground Truth – scope differences section uses “sub-path” term instead of end-to-end
- Security Section augmented with schema concerns
Status: Spatial Composition
09, Yaakov’s comments

- All metric sections use the same outline
- Noted that de-composition of a single sub-path is possible when Complete measurement is available, but OOScope
- Resolved re-use of indexes m,n,&s (s4)
- Added examples of parallel paths and mentioned re-routing as a common source of deviation from Ground Truth
- Added 2 common cases where conjecture might FAIL: packet encap=size change & fragmentation
- NEXT STEPS:
  - A few minor revs already for version 10
  - More volunteer Readers and/or WGLC…