IETF 83 Composite Link Update

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Three Composite Link Drafts

• Composite Link Requirements
  – WG document

• Composite Link Framework
  – Requesting adoption as WG document (milestoned in the WG charter)

• Composite Link Use Cases
  – Requesting adoption as WG document (not specifically milestone in the WG charter)
Composite Link Requirements

2012-01-30 draft-ietf-rtgwg-cl-requirement-05

• Changes since 03 and 04 versions:
  – Appendix A and B moved to CL Use Cases (05)
  – Management section added (04 version)
  – FR#21 added in 04 version
  – FR#21 split into two in 05 version
    • FR#21 = ability to bind an LSP to a particular component link
    • FR#22 = ability to bind co-routed bi-directional LSP to same component in both directions
  – Removed informational sentence in DR#1
  – Removed references specific to deleted appendices
Composite Link Framework

2012-03-07 draft-so-yong-rtgwg-cl-framework-05

• Substantially changed since 04 version with a new approach
  – Composite Link Key Characteristics
  – Architecture Tradeoffs
  – New Challenges
  – Existing Mechanisms
  – Mechanisms Proposed in Other Documents
  – Required Protocol Extensions and Mechanisms
• Includes Framework Requirement Coverage by Protocol
  – Requested as convenience to implementers
• Requesting adoption as a WG document
  – Milestoned in the WG charter
  – Authors feel this is a solid WG starting point
Composite Link Use Cases

2012-02-22 draft-symmvo-rtgwg-cl-use-cases-00

• Provides a set of use cases and design considerations for composite links
• Some content moved from formerly last called CL Requirements
  – Existing Network Operator Practices and Protocol Usage
  – Existing Multipath Standards and Techniques
• Some content moved from CL Framework 04 version
  – Composite Link Foundation Use Cases
• Some new content
  – Delay Sensitive Applications
  – Large Volume of IP and LDP Traffic
  – Composite Link and Packet Ordering
  – Appendix C: Characteristics of Transport in Core Networks
• Requesting adoption as a WG document
  – Not specifically milestone in the WG charter
  – General WG consensus to create separate Use Cases document
Proposed Next Steps

• Composite Link Requirements
  – Option #1: omit references to Use Cases and advance separately
  – Option #2: last call again but advance CL documents together
  – Authors prefer option #2 – Advancing together could identify a need to clarify/augment requirements based upon discussion of framework and use cases.

• Composite Link Framework
  – Requesting adoption as a WG document
  – Milestoned in the WG charter

• Composite Link Use Cases
  – Requesting adoption as a WG document
  – May need a new charter milestone (optional?)

• Authors feel that all three documents are solid