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 milestoned 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 milestoned 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