



Generalized MPLS Signaling

draft-ietf-mpls-generalized-signaling-05.txt
draft-ietf-mpls-generalized-cr-ldp-04.txt
draft-ietf-mpls-generalized-rsvp-te-04.txt

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Since last meeting

- **Per last meeting:**
 - **Moved (SONET/SDH) technology specifics into TSPEC/Traffic parameters**
 - **Split SONET/SDH into its own document**
 - **Issued joint CCAMP and MPLS WG last calls**
 - **Last Call Results:**
 - **A lot of e-mail**
 - **Some changes in the specs based on comments (more on this in a moment)**
 - **Some comments that did not result in changes**
 - **Some related to out-of-scope topics**
 - **Notably details on restoration and protection**
 - **Some comments just needed explanations**
 - **Others were...**
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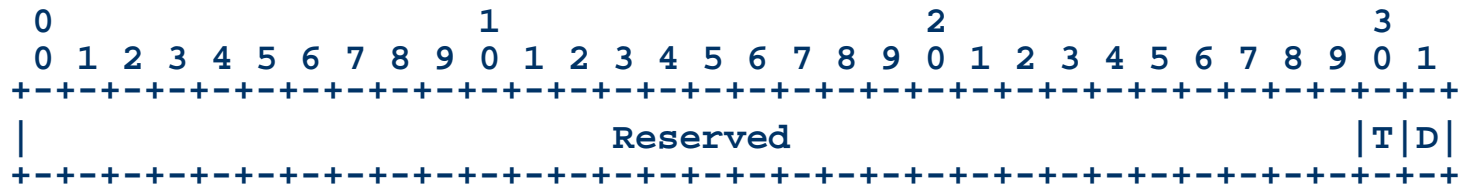
Summary of Changes

- **Fixed a CR-LDP related format error**
 - **Reintroduced Switching Type to Gen. Label Request**
 - **Parameter that indicates type of switching desired**
 - **Per link, is set hop-by-hop**
 - **Supports links with multiple switching types**
 - **Dropped from an earlier rev of draft**
 - **Added Administrative Status Information**
 - **To address operations issues**
 - **Added support for Data/Control Channel Separation**
 - **Based on multiple requests**
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Administrative Status Information

- **TLV/Object Format:**



- **Provides administrative state**
 - Testing and Down bits
 - Interpretation is a local matter (e.g., inhibit alarms)
 - Can be used to support alarm free LSP establishment and removal
 - **Can be used in by intermediate and egress nodes to request ingress to change state**
 - Uses RSVP Notify and LDP REQUEST messages
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Control Channel Separation

Supports:

- **Identification of data channels**
 - When channel is not uniquely identified by control channel
 - Data channels can be identified by:
 - IPv4 or IPv6 address
 - ifIndex
 - Component interface identifier (ala bundling)
 - **Handling of control channel failures that don't impact data channels**
 - Link failures
 - Node failures
 - Handling is protocol specific
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Next Steps

- **Continue to take comments on revised documents**
 - **Submit IANA assignment requests for CR-LDP and RSVP-TE**
 - **Issue 1 round of updates as need**
 - **One minor comment on common draft (G-PID values)**
 - **One comment on use of suggested label during restart - want to differentiate between suggestion and restart cases**
 - **Missing one timeout**
 - **Move drafts forward once updated**
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