RSVP-TE Extensions for Collecting SRLG Information

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draft-ietf-ccamp-rsvp-te-srlg-collect-01

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Changes from -00

- First, welcome Matt Hartley and Zafar Ali!
- Changes in writing to comply with RFC 2119 language
- Changes to allow partial SRLG-list, as it may still be useful
- Allow a node to make changes to the collected SRLG-list if dictated by its local policy
- Allow a node that has altered the collected SRLG-list to announce that it has done so.
- Add Editor's note with open points:
  - use of LSP_ATTRIBUTES as well as LSP_REQUIRED_ATTRIBUTES to collect SRLG information

SRLG Collection procedure (I)

- In -00 version procedure, if local policy determines that the SRLG information should not be provided, it must return a path error.
  - Feedback received: Partial SRLG information may still be useful
  - It is proposed the use of LSP_ATTRIBUTES as well as LSP_REQUIRED_ATTRIBUTES to collect SRLG information
  - Partial SRLG information could be allowed
  - Using LSP_ATTRIBUTES: collection is optional, but not enforced
- Feedback from WG?

SRLG Collection procedure (II)

- A node may edit the SRLG information within the RRO of a Path or Resv message if dictated by its local policy.

- If the node makes such an alteration, it SHOULD set a "SRLG-list edited" flag in the edited RRO sub-object

Flags in SRLG sub-object

- Flags are added to indicate properties of the SRLG-list contained in the SRLG sub-object

- SRLG-list edited:
  - If set, this flag indicates that the SRLG-list contained in the RRO sub-object has been edited in some way by a node during signaling in accordance with that node's policy.

- Partial SRLG-list
  - If set, this flag indicates that the SRLG-list contained in this RRO sub-object is known to be incomplete.

Next Steps

- Feedback from WG on open points
  - Partial SRLG information is useful?
  - Use of LSP_ATTRIBUTES as well as LSP_REQUIRED_ATTRIBUTES?