

RSVP-TE Extensions for Collecting SRLG Information

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Changes from -01

- Changes in writing to comply with RFC 2119 language
- Changes to reflect agreements after last IETF meeting
 - Use of LSP_ATTRIBUTES as well as LSP_REQUIRED_ATTRIBUTES to collect SRLG information
 - Partial SRLG collection
- Editor's notes removed
- Added procedure to collect different SRLGs in upstream/downstream direction
- Specified error code and error sub-code
- Added IANA request for the error sub-code

SRLG Collection procedure in RESV

- Rationale: SRLG information for the upstream direction could be different than in the downstream
- Procedure to collect SRLG information in the RESV RRO has been added.
- In case of bidirectional LSPs a node SHOULD include SRLG sub-objects in the RRO for both the upstream and downstream.
- Order in RRO is maintained.
- SRLG sub-object for the upstream link is added to the RRO before the SRLG sub-object for the downstream link.

Error in SRLG-collection

- If local policy determines that the SRLG information should not be provided, it MUST return a PathErr message with Error Code 2 (policy) and Error sub-code "SRLG Recording Rejected"
- Request to IANA added New Policy Control Failure Error sub-code.
- Proposed Error sub-code: 108
- Name of error sub-code: SRLG Recording Rejected

Next Steps

- All comments from the mailing list have been addressed.
- Procedure and encoding is complete.
- More feedback from WG?