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?