History

narayanan-tsvwg-rsvp-resource-sharing-01
- Non-GMPLS “Resource Sharing” Association
- Upstream Association
- Extended Association ID
- Resource Sharing Remote Identification Association

berger-ccamp-assoc-info-00
- ASSOCIATION Object as defined in RFC 4872 and RFC 4873

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narayanan-tsvwg-rsvp-resource-sharing-02
- Resource Sharing Remote Identification Association

berger-ccamp-assoc-info-01
- ASSOCIATION Object as defined in RFC 4872 and RFC 4873
- Non-GMPLS “Resource Sharing” Association
- Upstream Association
- Extended Association ID

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Summary

- Extension to draft-berger-ccamp-assoc-info
- Standards Track
- defines a new association type called "Resource Sharing Remote Identification"
Resource Sharing Remote Identification association

- can be used by the sender to convey to the receiver information that can then be used by the receiver to identify an upstream initiated resource sharing

- useful in upstream initiated resource sharing applications where the identification of the resource sharing association is not known a priori by the receiver, and instead is known by the sender

- type-specific association rule:
  The Resource Sharing Remote Identification association does not create any association across Path states.
RSRID = “Resource Sharing Remote Identification” association
RS= “Resource Sharing” association
ID= Association Identification
Next Step

- Please review
Recap of problem

- Currently RSVP flows with different SESSION objects cannot share resources
- There are some use cases where this is important
  - Symmetric NAT
  - VoIP call sharing
- Proposed solution: separate resource sharing from SESSION object
Problem: VoIP features

- Sharing bandwidth between calls currently in call-waiting
- Shared calls between shared-line extensions at different locations
- Sharing not possible in RSVP for reservations going to different \{L3,L4\} destinations
Problem: Symmetric NAT

- Unidirectional flows to the same destination, traversing symmetric NAT
- NAT issues different destination ports to the different senders
- Sharing not possible in RSVP for reservations going to different \{L3,L4\} destinations