RSVP/IntServ MULTI_TSPEC
at IETF83

draft-ietf-tsvwg-intserv-multiple-tspec-01

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Scope of ID

- This doc creates the optimization of conveying more than one TSPEC:

  in a PATH message, and

  in the corresponding RESV message
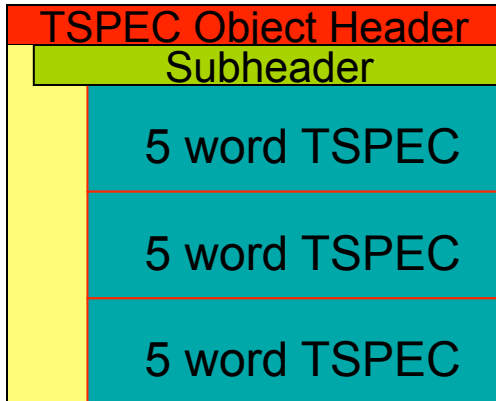
- This is creating an extension to IntServ

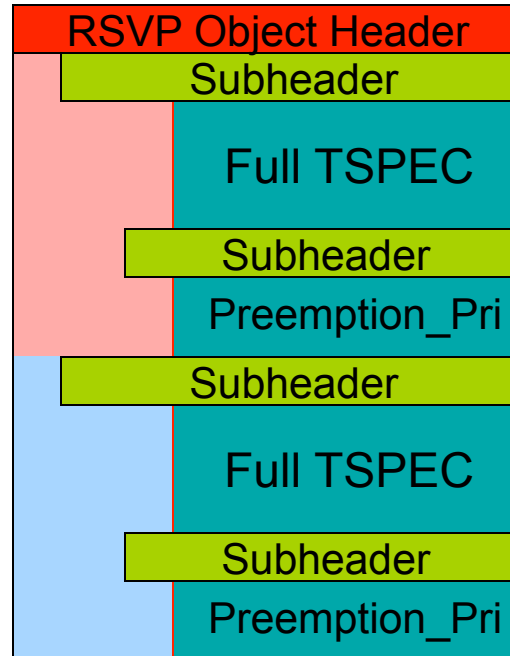 But then, Lou Berger had an idea…

RSVP vs. IntServ Object

- We could make it an RSVP Object for any MULTI_xxSPEC (or "MULTI_X")
  - This would remove the Object from IntServ
  - This could be the same place where every multiple instance of an Object goes. For the
    - MULTI_TSPEC
    - MULTI_PREEMPTION
  - The logic would force every router to read this new Object to see if there are multiple instances of something it cares about.
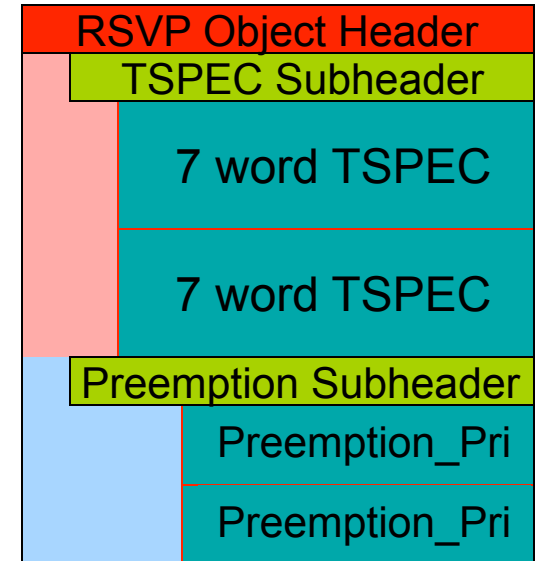
Comparing Old with New Proposal

- Original MULTI_TSPEC Object

| TSPEC Object Header |
| Subheader |
| 5 word TSPEC |
| 5 word TSPEC |
| 5 word TSPEC |

- Option 1 - New RSVP MULTI_X Object

| RSVP Object Header |
| Subheader |
| Full TSPEC |
| Subheader |
| Preemption_Pri |
| Subheader |
| Full TSPEC |
| Subheader |
| Preemption_Pri |

- Option 2 - New RSVP MULTI_X Object

| RSVP Object Header |
| TSPEC Subheader |
| 7 word TSPEC |
| 7 word TSPEC |
| Preemption Subheader |
| Preemption_Pri |
| Preemption_Pri |

New Open Issues

- Two choices:
  - Keep in IntServ (and others where they are to be)?
  - Move every "MULTI" blob to single new Object in RSVP?
  - If yes, does new MULTI_X Object document also contain MULTI_TSPEC text, or are they separate?
  - If yes, which format should this new object take (option#1 or #2)
- No list traffic about either choice – need this!!

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