

MSRP or Draft 0.9

Some comparisons

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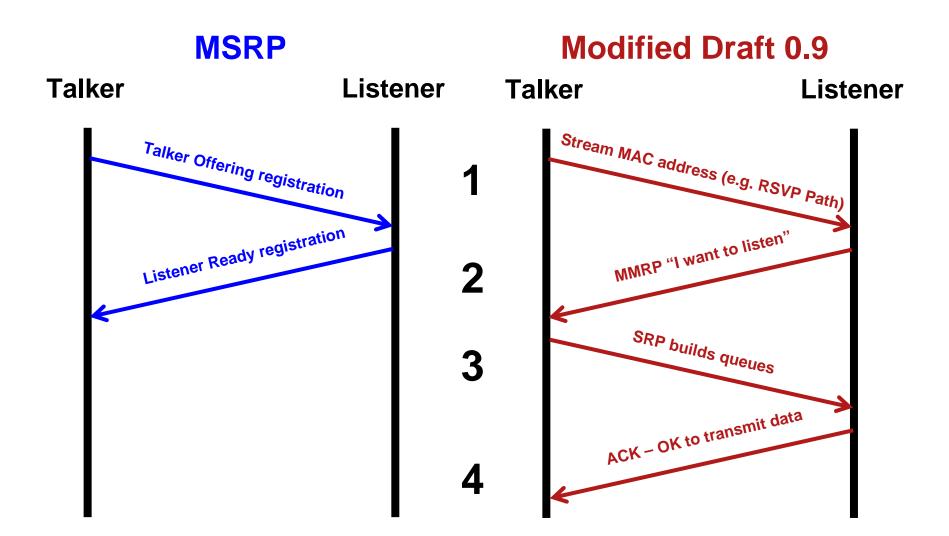
Modified Draft 0.9 steps in the normal case

- Listener discovers by some unspecified means what the multicast address of the stream is. The RSVP Path message is one possibility.
- MMRP registration in Listener to Talker direction.
- SRP configures queues along Talker to Listener direction.
- Acknowledgement must be returned Listener to Talker before data can be transmitted.

MSRP: Required steps in the normal case

- Talker make offering declaration in Talker-to-Listener direction.
- Listener responds with Ready declaration. Queues configured as registration progresses from Listener to Talker.

MSRP vs. modified 0.9: Required before transmit



802.1Qat + RSVP: Required before transmit

(Order of RSVP vs. 802.1Qat is not specified – Talker cannot transmit until both protocols are happy.)

MSRP Modified Draft 0.9 Talker Listener **Talker** Listener RSVP Path RSVP Path Talker Offering registration MMRP "I want to listen" Listener Ready registration RSVP Resv SRP builds queues ACK - OK to transmit data RSVP Resv

802.1Qat + RSVP: Failure case 1

(Order of RSVP vs. 802.1Qat is not specified – Talker cannot transmit until both protocols are happy.)

MSRP Modified Draft 0.9 Talker Listener **Talker** Listener RSVP Path RSVP Path Talker Offering registration MMRP "I want to listen" Listener Failed registration RSVP Resv (failure) SRP builds queues NACK - Not OK to transmit data RSVP Resv (failure)

802.1Qat + RSVP: Failure case 2

(Order of RSVP vs. 802.1Qat is not specified – Talker cannot transmit until both protocols are happy.)

MSRP Modified Draft 0.9 Talker Listener **Talker** Listener RSVP Path RSVP Path Talker Offering registration MMRP "I want to listen" Listener Ready registration RSVP Resv Talker Failed SRP builds queues RSVP Resv (failure) NACK - Not OK to transmit data RSVP Resv (failure)

Initial MAC address notification step

 One can argue about whether the initial step of leaning the MAC address of the stream should not be counted against the modified D0.9. We could consider this step a requirement, rather than a step in the process.

Summary

NO FAILURE CASE

MSRP requires two steps: offering, ready.

Modified D0.9 requires three or four steps: (notification), MMRP, SRP, Ack.

FAILURE CASE

MSRP requires two or three steps: offering, (ready), failure.

Modified D0.9 requires three or four steps: (notification), MMRP, SRP, NAck.

