

# MUTE and UNMUTE Extension to RTSP

draft-sergent-rtsp-mute-00.txt

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# Motivation

- RFC 2326 is ambiguous and incomplete
  - Aggregate/non-aggregate control interaction needs clarification
  - “mute” functionality description has major holes
- Overloading of PLAY and PAUSE methods
- Functionality seems important but optional

# Proposal

- Remove “mute” functionality from RTSP
- Can no longer do PAUSE of single stream in aggregately controlled presentation
- Optional MUTE/UNMUTE methods
  - Extension to RTSP
  - Clearly define semantics of each method
  - No overloading of PLAY and PAUSE
  - No implicit “muting” or “unmuting”

# Overview

- **MUTE**
  - Temporarily suspend delivery of stream
  - Presentation clock keeps running
  - Range header allowed
- **UNMUTE**
  - Resume delivery of stream from current presentation NPT
  - Only open range allowed in Range Header
  - Return RTP-Info if RTP is used

# Open Issues

- Interaction with queued PLAY
- Interaction with RECORD method
- UNMUTE response needs Range header
- UNMUTE on already “unmuted” stream
  - Send “200 OK”?
  - Send “455 Method not valid in this State”?
  - Add new status codes?
    - 463 Already Muted
    - 464 Not Muted
  - Do we send RTP-Info?

# Open Issues (cont.)

- Does it affect RTSP state machine?
- Registering “mute” options tag with IANA
- Definitions of terms
- Security considerations
- Acknowledgments