Connection-Establishment Preconditions

draft-camarillo-mmusic-connection-precon-00.txt

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Motivation

- In some cases, connections cannot be established until the bearers are ready
  - Bearer is ready => QoS preconditions met
  - Connection is established => Conn preconditions met
- Some applications want to know that the connection is established and ready to transfer data before alerting the user

Interactions with QoS Preconditions and Comedia

- No interactions with QoS preconditions
- The comedia a=setup attribute governs session establishment
  - Active / Passive / Connhold
- When connections cannot be established until QoS preconditions are met (e.g., GPRS)
  - Connhold until preconditions are met
  - Change to active or passive as soon as they are met

Why MMUSIC?

- Preconditions relate to SDP
- Preconditions relate to offer/answer
- Conn preconditions relate to comedia
  - Expertise on comedia is in MMUSIC
- SIP can conduct an experts review at the end of the process