Transport related API needs

History

- Call for input sent July 16th ("Moving forward with SDP control")
- Did lead to input related to transport setting that _is_ signaled in the SDP and input that is _not_ signaled
- As a result a WiKi page "Transport Control" was set up [1]
  - To collect the things the app would like to be able to influence regardless of whether it is signaled or not

[1] http://www.w3.org/2011/04/webrtc/wiki/Transport_Control

Contents of "Transport Control"

- Pause/resume sending of MediaStreamTrack
- Priority of MSTrack's
- Codec/media settings
  - AGC on/off, indicate delay preference, ….
  - Influence the SDP offer to contain several versions of the same codec (different settings, different PTs)
- Select what codecs that are offered
- Bitrate constraints per MST
- Disable bundle

Not part of "Transport Control"

- Control everything that is part of the SDP

Possible way forward

- Define a constraint based API per MST, include constraints for
  - Delay preference, bitrates, priority, AGC control
- Define constraint to disable Bundle at PeerConnection creation
- Further analyze the need in first version for API surface to control
  - Pause/resume
  - Different versions of the same codec in the offer
  - "Anything" signaled

  (SDP mangling is always available)