

# RTC-Web Codec & Media Processing

IETF 82

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# 01 - Submission Info

draft-cbran-rtcweb-codec-01

- Removed OPTIONAL video and audio codecs
- Updated video codec section
- Small change to WebRTC client requirements

# Media Processing

Proposed media processing functionality that SHOULD available in the WebRTC endpoint.

- Automatic gain control
- Echo cancellation, including acoustic echo cancellation
- Headset detection
- Call control event notification to connected devices such as headsets
- Auto-adjustments to gain control and echo cancellation algorithms based on if headset or internal speakers/microphone is being used

# Audio Codec

REQUIRED audio codecs.

- PCMA/PCMU - 1 channel with a rate of 8000 Hz and a ptime of 20 - 4.5.14 of [RFC3551]
- DTMF Events as per RFC4733
- Opus [draft-ietf-codec-opus]

Removed OPTIONAL audio codecs

# Video Codec

REQUIRED video codec

H.264 baseline profile is REQUIRED.... IF

The MPEG-LA issues an intent to offer H.264 baseline profile on a royalty free basis for use in browsers\* before March 15, 2012.

OTHERWISE

The REQUIRED video codec will be VP8

\*Browser means devices implementing User Agent behavior for W3C HTML5 or WebRTC