

Status of W3C WEBRTC

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WEBRTC chairs

IETF 83 Paris - RTCWEB meeting

Subgroups and Documents

WEBRTC Working Group

- PeerConnection API specification
- Depends on IETF Scenarios and Requirements document

Media Task Force (joint with Device API WG)

- GetUserMedia API specification
- Local Scenarios document
- Expecting a local Requirements document

Methods of working

- Email discussion
 - Open mailing lists: public-*
 - Public archives
- Editing team
 - 5 editors (Travis doing only media capture)
 - Weekly editors' calls, emails
 - Pushing editors' drafts to W3C CVS
- WG/TF teleconferences
 - Monthly or somewhat less frequent
 - Fairly detailed discussion of proposals
- Face to face meetings
 - 2-3 times a year
 - Align with IETF RTCWEB interims or meetings

Document status (1)

- PeerConnection API document
 - MediaStream API relatively stable
 - Recent changes include adding & removing tracks
 - Data API incorporated (proposal)
 - Some controversy on documenting WebSocket alignment
 - JSEP integration: 2 proposals
 - Expect to call it one way or the other end of week
 - Waiting to integrate Hints & Capabilities
 - For MediaStream attach to PeerConnection
 - May appear in other places
 - Same structure as for Media Capture
 - Not yet integrated stats API
 - Proposal from November remains direction

Document Status (2)

- **getUserMedia Use Cases**
 - New document - scenarios based
 - Seems uncontroversial
- **getUserMedia Requirements**
 - Not yet available
- **getUserMedia specification**
 - Discussing details of a Constraints & Capabilities API
 - Will be integrated into spec "soon"
 - Proposal for alternate form of getUserMedia
 - Callbacks versus signals

Implementation Status

- Opera: getUserMedia released
- Mozilla: getUserMedia piloted
- Chrome: getUserMedia and PeerConnection for audio/video in canary build (ROAP available but deprecated, JSEP this week)
- Internet Explorer: getUserMedia announced for IE11
- Safari: No information
- Ericsson WebKit experimental platform: getUserMedia and PeerConnection (pre-ROAP), data API

Direction Change Discussion

- getUserMedia implementation seems widespread
- Suggestion to push work on getUserMedia "as fast as possible"
- May not be a conflict, resources largely not the same
- May result in moving pieces between documents

Schedule

- "ASAP" is always the case
- Q2 is the schedule for stability of API
- Need test cases, conformance - which in turn needs implementations
- Some aspects - capabilities, constraints, stats - may need a trailing effort to define elements, even when the APIs are fixed
- Things Take Time