Media Pipeline Task Force Update

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Charter

- The goal of the MPTF is to propose HTML5 video and audio element extensions to support new media formats and commercial video provider service requirements.
  - Script access to parameters controlling user agent adaptive bit rate algorithms.
  - User agent content splicing.
  - Browser handling of dynamic tracks in linear media streams of infinite length.
  - Enhancements to metadata track elements to support commercial video provider applications.
  - Other API changes that arise from use of media formats used by commercial video providers.
- *Currently*, it is not considered within scope to specify HTML5 support for any particular adaptive streaming format.
- We have decided to include support for DRM in the scope of MPTF. The intention is to design a framework that is general enough to support any DRM system rather than endorse a particular DRM.

Key Topics

- TV Services (e.g. closed caption, emergency alerts, parental controls, etc.)
- Multi-screen Video
- Video Tag Enhancements
- Time Synchronization
- Continuous Streams
- Adaptive Streaming
- Digital Rights Management
- Stereo Video Support

Accomplishments So Far

- 18 Use cases submitted
- Proposed DRM requirements submitted
- 4 use cases accepted and several others near acceptance
- Draft requirements document complete

What's Left

- Finalize evaluation of use cases
- Discuss and finalize requirements document
- Determine which working group(s) should receive requirements document
- Submit requirements to working group(s), shut down task force and begin working on standardization in working group(s)

Schedule

- Wind down use case evaluation at face-to-face meetings this week

- Review and revise requirements document over next 6 weeks

- Discuss standardization strategy with working groups and meet with key groups at TPAC meeting

- Finalize requirements document and submit to working group(s) in November