



Audio Engineering Society Technical Committee

Notice and DRAFT agenda (v4.0) for the meeting of the Sound for Digital Cinema and Television

To be held in conjunction with the upcoming AES 134th Convention in Rome, Italy, May 4-7, 2013.

The meeting is scheduled to take place at the Fontana di Trevi Conference Centre.

Currently scheduled for Monday, May 6, 2013 at 3:00 PM

Please check the latest schedule at: <http://www.aes.org/events/134/calendar/calendar.cfm>

1. Introduction to group and attendees

2. Amendments to and approval of agenda

Note that projects where there is no current proposal for revision or amendment, and where there is at least 12 months before any formal review is due, are listed in an annex to this agenda. Please let the chair know if you propose to discuss any projects in this annex.

3. Approval of minutes from previous meeting

4. Action Items from Last Meeting:

- a. Ask TC to remove “formative” from our group title
- b. Submit application for Standards Work on Calibration and Equalization of Sound Systems

5. Items for Discussion

- a. Loudness Control in Cinemas
- b. Immersive (3D) sound – demand by cinema owners for interchange (DTS Authoring Tool)
- c. Professional use of “watermarking” systems

6. Liaisons

7. Date of Next Meeting

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- Please make sure you sign the attendance sheet that will be circulated. This sheet shall be passed to the secretariat after the meeting and will be used to update the membership information for this group .
 - Please make sure that any documents contributed to the meeting are passed to the secretariat who will ensure they are posted to the appropriate Working Group document site .

REFERENCE MATERIALS: (Committee attendees should be familiar with these works)

- 1) Newell P., Holland K., Neskov B., Castro S., Desborough M., Pena A., Torres M., Valdigem E., Suarez D., 'The Perception of Dialogue Loudness Levels within Complex Soundtracks at Similar Overall Sound Pressure Levels in Rooms of Different Sizes', Proceedings of the Institute of Acoustics, Vol. 29, Part 7, pp. 125-139, Reproduced Sound 23 conference, Gateshead, UK (November 2007)
- 2) Newell, Philip R., Holland, Keith R., Neskov, Branko, Castro, Sergio; Desborough, Matthew; Torres-Guijarro, Soledad; Pena, Antonio; Valdigem, Eliana; Suarez-Staub, Diego; Newell, Julius P., Harris, Lara; and Beusch, Christian; 'The Effects of Visual Stimuli on the Perception of 'Natural' Loudness and Equalisation', Proceedings of the Institute of Acoustics, Vol. 30, Part 6, pp. 15-26, Reproduced Sound 24 conference, Brighton, UK (2008)
- 3) Newell P., Holland K., Desborough M., Fazenda B., Neskov B., Castro S., Valdigem E., Newell J.; 'Room-to-Room Compatibility of the Low Frequency Content of Mixes Using Resonant and Transient Signals', Proceedings of the Institute of Acoustics, Vol. 31, Part 4, pp 91-97, Reproduced Sound 25 conference, Brighton, UK (November 2009)
- 4) Newell P., Holland K., Torres-Guijarro S., Castro S., Valdigem E., 'Cinema Sound: A New Look at Old Concepts', Proc. of the Institute of Acoustics, Vol. 32, Part 5, Reproduced Sound 26 Conference, Cardiff, UK (Nov. 2010)
- 5) Newell P., Holland K., Newell J., Neskov, B., 'New Proposals for the Calibration of Sound in Cinema Rooms', 130th Convention of the Audio Engineering Society, London, UK (May 2011)
- 6) Leembruggen G., Newell P., Newell J., Gilfillan D., Holland K., McCarty B., 'Is the X Curve Damaging Our Enjoyment of Cinema?', SMPTE Convention, Sydney, Australia (July 2011)
- 7) Philip Newell, Glenn Leembruggen, Keith Holland, Julius Newell, Soledad Torres-Guijarro, David Gilfillan, David Santos-Dominguez, Sergio Castro, 'Does 1/3 Octave Equalisation Improve the Sound in a Typical Cinema?', Proceedings of the Institute of Acoustics, Vol. 33, Pt 6, Reproduced Sound 27 conference, Brighton, UK (Nov. 2011)
- 8) Philip Newell, 'One-Third-Octave Equalisation and its Use in Cinemas', Acoustics Bulletin (Institute of Acoustics), St Albans, UK (March/April 2012)
- 9) Philip Newell, 'On the Calibration of Cinema Rooms', Presentation to the B-Chain Study Group of the SMPTE (April 2012)
- 10) Rod Elliott, "Cinema Sound System Setup", 2012 <http://sound.westhost.com/articles/cinema-sound.htm>
- 11) Erno Langendijk "Spectral Cues of Spatial Hearing"