

AES Technical Committee on Acoustics and Sound Reinforcement

Minutes from Technical Committee meeting – AES 159 Long Beach 2025

Thursday, 23 October 2025, 12 – 1pm (PDT, GMT-7),

In person (convention room 203A) and MS Teams

Attendance Long Beach:

Tobias Goldmann (vice chair) – TG, Eddy Brixen – EB, Bob Lee – BL, Dan Moore – DM, David Scheirman – DG, Daniele Ponteggia – DP, Miki (SoundGirls), Pavel Smokotnin – PS

Attendance online:

Adam Hill (chair) – AH, Kurt Graffy (chair) – KG, Sigri Hovde – SH, Marcel Kok – MK, Tim Kuschel – TK, Ugis Vilcans – UV, Eric Ferguson – EF, Thomas Denstad – TD, Daniel Belcher – DB, Dawid Stelmach – DS, Alexis Campos – AC, Jacob Rodilisso – JR, Charbel Hourani – CH, Peter Mapp – PM, Jon Burton – JB, Michael Santucci – MS, John Woodgate – JW, Andy Wardle – AW, Bugra Kezan – BK

Apologies:

Arica Rust (vice chair), Boris Rehders, Jos Mulder, Nathan Lively, Scott Burgess, Soren Bech, Ben Kok, Neil Shaw, Jorn Nettingsmeier, Michael Lawrence, Scott Sugden

1. Minutes and actions from AES 158 Warsaw 2025

- Minutes were reviewed for actions. All actions appearing on the minutes are either out of date or come up in this meeting's agenda.

2. AES 159 Long Beach – sessions supported by TC-ASR members

- EB presented a session on Thursday titled “Fast facts on room acoustics”
- DM presented a paper on Thursday titled “An improved workflow for simulating loudspeaker systems in outdoor environments using the System Design Executive approach”
- TG will be presenting a paper on Saturday titled “Modelling and verification of low-frequency sound systems in the application of noise predictions”
- Miki noted that there was a SoundGirls-supported panel on Friday called “Breaking the glass fader: Dismantling barriers in pro sound”

3. AES 160 Copenhagen (May 2026) – expressions of interest to run sessions

- AH noted that KG is still coordinating all TC-related contributions to AES conventions and for all members interested in submitting a proposal to contact him to allow for coordination of submissions from the TC.

- EB is the facilities chair for this convention which will be taking place 28-30 May 2026 at DTU in Copenhagen. EB indicated that anyone wishing to do a practical demonstration at the convention can reach out to him for support.
- MK suggested that he may be able to do an outdoor demonstration of noise measurements using drones.
- **Action (ALL):** Contact KG for contributions or ideas you would like to present at the next conference.

4. Working groups, standards work, or other TC-related activities

- Acoustics & Sound Reinforcement Conference – agree on location and year
 - AH outlined the three locations that were previously discussed for the next Acoustics and Sound Reinforcement conference – Singapore, South America, Middle East. He noted that the only location that has seen any active engagement since the last meeting is Singapore, where there are two universities and one industrial partner that are interested in supporting the conference.
 - AH noted that many of our conference “regulars” may not be able to travel the long distance, so we will be relying on the local audio engineering community to engage with the event. TK noted that his EASE training in Singapore is always well attended and that the AES Sydney local section has recently relaunched. The Melbourne section is usually quite active as well, so we should expect good engagement from the Australian AES community.
 - AH proposed, considering the above, that the conference location be Singapore. A vote across those present was held and it was agreed, with no objections, that Singapore will be the conference location.
 - A discussion was held around the timing for the conference. DS suggested that the formal AES process for approving and developing conferences can be a long one and to leave 2-3 years, minimum. This led those present to support a target year of 2028.
 - AH asked if the January/February timing, which was used for the last conference in Le Mans, would be appropriate. TK said that this would be in the middle of a busy period for the regional events industry and also would conflict with Ramadan. It was determined, through discussion with those present, that September 2028 would be a practical time to target for the conference.
 - BL and DB reminded the TC that we need to be careful not to choose dates that conflict with trade shows or other industry-related events.

- Of those present, TK, JB, AW, MK and DS offered to join the organizing committee. TK can help to draw in others who are more “local” to Singapore, if needed.
- **Action (AH):** Draft list of potential conference organizing committee members and circulate.
- **Action (AH):** Contact Singapore universities and industrial partner (L-Acoustics) to determine suitability of September 2028.
- **Action (all):** Contact AH if you would like to join the organizing committee for this conference.
- Update from Healthy Ears, Limited Annoyance (HELA) initiative
 - AH gave the group an update on the Healthy Ears, Limited Annoyance (HELA) Initiative, which spun out of previous TC work. HELA Certification (which launched in March 2025 and now has over 1,000 registered users) and HELA Research Cooperative (which is launching imminently, with nearly £500k raised, £200k of which will go to funding collaborative pilot studies through three open funding calls in 2026).
 - AH noted that there are three HELA Research Cooperative groups that are being created: Research Board, Industrial Steering Group and Outreach Group. Anyone is welcome to join.
 - JB stated that he will take part in a panel discussion, "Hearing Rocks" on October 30.
 - **Action (all):** Contact AH if you'd like to get involved with the HELA Initiative or would like more information.
- AESTD1007.1.20-05
 - AH reviewed the current list of potential contributors to the revision of this Technical Document, which includes: Adam Hill, Tobias Goldmann, Marcel Kok, Andy Wardle, Eric Ferguson, Bugra Kezan, Nathan Lively, Alexis Campos, Tim Kuschel, James Hipperson, Paul Cabello, Dawid Stelmach, Bob Lee (copy editor) as well as the HELA audiologists.
 - There is still time to join this group, should anyone wish to get involved.
 - AH is hoping to hold the first meeting for this group in November 2025, with a target of having a full draft completed by November 2026 and publication in May 2027.
 - **Action (all):** Contact AH if you'd like to get involved with the revision of this technical document.
 - **Action (AH):** Finalize technical document revision group and schedule first meeting for November.

- Update from working group on noise control at live events
 - MK reported about the meeting of the working group on October 20. There he introduced a drone-based measurement setup designed to capture the acoustic radiation behaviour of stage configurations. He also shared initial measurement results. The setup features a drone equipped with a microphone and a temperature sensor suspended beneath the drone. He discussed operational restrictions, required certifications, and specific challenges associated with this configuration. In addition to measuring sound pressure levels at various heights, the system enables the recording of temperature profiles, facilitating the study of temperature inversion effects. The presentation was followed by a discussion on the topic. For further information contact MK.
 - AH asked for the overall goal of the working group. MK and TG summarized that there is not a single goal currently. Several people are working on different topics and projects mainly about the characterization of the stage as a sound source. The working group offers the opportunity to share and exchange ideas about noise control technologies at live events. All topics related to simulations, measurements, and their evaluation, assessment, and perception are welcome.
 - **Action (MK):** Add CH and PS to the working group
- Update from working group on sound system standardization
 - TK reported about the progress of the working group. BR and TK are planning to set up a meeting to discuss the agenda for the group.
 - The first step shall be to summarize current standards regarding loudspeakers and sound system design
 - DP mentioned a potential overlap with the standard committee SC-04-03
 - **Action (TK, BR):** Invite for a working group meeting
 - **Action (TG):** Reach out to BR and TK for a meeting regarding the working group setup
- JAES
 - AH passed on two requests from new Journal of the Audio Engineering Society (JAES) editor-in-chief, Brian Katz:
 1. He wants 2-3 people from the TC to act as Associate Editors of the journal (a three year term). AH is currently near the end of his term and it has largely been an enjoyable task without demanding significant time resources.

2. He wants the TC to propose a review paper for JAES (all fees will be waived). We only need a potential title and coordinating author at this stage.

- **Action (all):** Contact AH if you would like to be considered for an Associate Editor role with the JAES.
- **Action (all):** Contact AH if you have any ideas or would like to be involved with a JAES review paper from the TC.

5. TC-ASR membership/leadership

- AH noted that there were no TC leadership changes and that Dan Moore (L-Acoustics) has joined as a member.

6. Any other business

- SH asked if there was anyone in the TC that was actively researching IEMs, as she's an actively touring monitor engineer and has various ideas/questions. MS, who chairs the TC on Hearing and Hearing Loss Prevention, said that there is a lot of interest and active research in IEMs within his TC.
- **Action (AH):** Connect SH and MC regarding IEM research

Minutes compiled by AH + TG, 29 October 2025.