



# Audio Engineering Society Standards Committee

## Notice and DRAFT agenda

### for the meeting of the SC-04-03 Working Group on loudspeaker modeling and measurement of the SC-04 Subcommittee on Acoustics

To be held in conjunction with the upcoming AES 149th Convention.  
The meeting is scheduled to take place online, 2020-10.  
Please check the latest schedule at: <http://www.aes.org/standards/>

#### 1. Formal notice on patent policy

#### 2. Introduction to working group and attendees

#### 3. 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.*

#### 4. Approval of report of previous meeting, held online, 2020-05.

#### 5. Open Projects

*NOTE: One or more of these projects may be in the process of a formal Call for Comment (CFC), as indicated by the project status. In these cases only, due process requires that any comments be published.*

#### **AES2-R Review of AES2-2012 (r2018): AES standard for acoustics - Methods of measuring and specifying the performance of loudspeakers for professional applications - Drive units** SC-04-03

*scope: This Recommended Practice establishes a set of primary specifications to be followed by manufacturers in describing loudspeaker components used in professional audio and sound-reinforcement system design.*

**status: Reaffirmed**

<i>intent:</i> Review	<i>initiated:</i> 2012	<i>intent target:</i> 2023
<i>goal:</i> Draft revised standard		<i>goal target:</i> Continuing

#### **AES-X168 Characterization of loudspeaker systems** SC-04-03

*scope: This document defines a set of characteristics of loudspeaker systems for inclusion in manufacturers' specification documents, and identifies the relevant methods of measurement. It considers loudspeaker \*systems\* for professional applications. They may be combinations of active and passive sub-systems. It is intended for users and designers of loudspeaker system installations.*

**status: First draft by David Murphy is posted to the repository**

<i>intent:</i> Standard	<i>initiated:</i> 2017	<i>intent target:</i> 2022
<i>goal:</i> Draft		<i>goal target:</i> 2022-10

#### **AES-X241 End of Line Testing for Production Loudspeaker Drivers** SC-04-03

*scope: This standard specifies parameters and methods of measurement required for end-of-line quality control tests performed on loudspeaker drivers manufactured for automotive, consumer and professional applications. It includes requirements for mechanical setup. It does not consider measurements of loudspeaker systems or multi-driver arrangements.*

---

• These meetings are subject to the rules of the AESSC, including the AES patent policy, published on the AES standards web site.  
• 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.

*status:* **Gathering comments on draft, next stage to consider tolerances**

<i>intent:</i> Standard	<i>initiated:</i> 2017-04-04	<i>intent target:</i> 2020-05
<i>goal:</i> PTD		<i>goal target:</i> 2019-10

**AES-X250 Measuring maximum linear peak SPL using noise**

SC-04-03

*scope:* This standard specifies a method for measuring the maximum linear peak SPL of a loudspeaker driver or system. It uses a mathematically derived test signal that effectively emulates the dynamic characteristics of music as a function of frequency as well as its spectral content.

*status:* **Discussing topic**

<i>intent:</i> Standard	<i>initiated:</i> 2019-09	<i>intent target:</i> 2020
<i>goal:</i> Draft		<i>goal target:</i> 2020

**6. Liaisons**

**7. New Projects**

**8. New Business**

**9. Date of next meeting**

## Annex to the agenda

The following projects assigned to this group have  
no current proposal for revision or amendment,  
and no formal review is due to report in less than 12 months.

Please let the chair know if you propose to discuss any projects in this annex.

**AES56-R Review of AES56-2008 (r2019), AES standard on acoustics - Sound source modeling - Loudspeaker polar radiation measurements** SC-04-03

*scope: to specify unified loudspeaker far-field polar radiation measurement practice to provide data suitable for room acoustic modeling programs*

*status: Reaffirmed version published*

<i>intent: Review</i>	<i>initiated: 2014</i>	<i>intent target: 2024</i>
<i>goal: none</i>		<i>goal target: Continuing</i>

**AES73id-R AES73id-2019: AES information document for acoustics – Loudspeaker driver comparison chambers** SC-04-03

*scope: This document considers factors affecting the interchangeability of measurement data from simple loudspeaker comparison chambers and discusses some performance capabilities.*

*status: Initial version published*

<i>intent: Review</i>	<i>initiated: 2019-08-23</i>	<i>intent 2024 target:</i>
<i>goal: none</i>		<i>goal target: Ongoing</i>

**AES-1id-R Review of AES-1id-2012: AES Information Document for Acoustics - Plane-Wave Tubes - Design and Practice** SC-04-03

*scope: to establish, expand, and improve the practice for the design and use of plane-wave tube measurement techniques, as recommended in section 2.2.1 of AES2-1984, "Recommended Practice Specification of Loudspeaker Components Used in Professional Audio and Sound Reinforcement."*

*status: Reaffirmed in 2017*

<i>intent: Review</i>	<i>initiated: 2012</i>	<i>intent target: 2022</i>
<i>goal: Status Report</i>		<i>goal target: Ongoing</i>

## End of annex to agenda

---