

IEC TC 29 Electroacoustics

SCOPE- To prepare International Standards related to instruments and methods of measurement in the field of electroacoustics. Excluded from the scope are:

- a) standards for sound and video recording as dealt with by TC 100;
- b) standards for equipment in the field of audio and audio- visual engineering as dealt with by TC 100;
- c) standards and terminology for ultrasonic techniques dealt with by TC 87.

NOTE. Close co-operation shall, however, be maintained with TC 87 in the fields of common interest.

Abbreviations

TA =Technical Area

WG =Working Group

PT =Project Team

MT =Maintenance Teams

AG =Advisory Groups

ahG=Ad-Hoc Groups

EG =Editing Group

PWI = Preliminary work Item

Pre PNW =Preperation of NP document

ACD =Approved for CD

CD =Committee Draft

PCC =Preperation of CC

APUB =Approved for Publication

CCDV =Draft circulated as CDV

PRVC =Preparation of RVC

RFDIS =FDIS received & Registered

CFDIS =Draft circulated as FDIS

TCDV =Translation of CDV

CDM =CD to be discussed at meeting

PRVN =Preparation of RVN

ACDV =Approved for CDV

BPUB=Being Published

APUB =Approved for Publication

RPUB =Publication received & Registered

TC 29 Subcommittee(s) and/or Working Group(s)

Subcommittee(s) and/or Working Group	Title	Scope
ahG 26	Alignment of standards for measurement microphones, sound level meters, sound calibrators and modular instrumentation	To improve and ensure appropriate interactions and linkages between the various standards of MT 4, WG 5 and MT 17, and to produce a useful guidance document, showing how the various standards interact and link.
ahG 28	Guidance material on measurement uncertainties	
AG 27	Chair's Advisory Group	1. Objective and scope of activities of the TC 29 CAG Advisory function to assist the TC leadership on: <ul style="list-style-type: none">● the organization of TC 29● the coordination of the work● the related work of the other IEC committees and other liaison bodies● actions to engage more countries in the work of the committee ensure that TC 29 has a good geographical coverage

		<ul style="list-style-type: none"> ● raising awareness of the work of the TC ● any other matter on which the TC leadership requires advice. <p>2. Members of the CAG</p> <p>The CAG consists of the following persons:</p> <ul style="list-style-type: none"> ● TC 29 Chair ● TC 29 Secretariat ● TC 29 Convenors for WG's MT's and AHG's. <p>Possible members:</p> <ul style="list-style-type: none"> ● Stakeholders / Liaisons ● Regional membership, with one member appointed to represent each region. Regions include: America, Europe, Asia and Oceanic. <p>The CAG reviews and considers additional members periodically.</p> <p>Other expert may be invited to contribute when appropriate.</p> <p>The CAG is chaired by the Chair of the TC 29.</p>
JWG 29	Determination of high frequency sound pressure levels emitted by high intensity ultrasonic equipment	To develop ISO/IEC 20678: "Acoustics — Determination of high-frequency sound pressure levels emitted by high-intensity ultrasonic equipment".
MT 23	Instruments for aircraft noise	Revision of IEC 61265:1995 - Instruments for measurement of aircraft noise -Performance requirements for systems to measure one-third-octave-band sound pressure levels in noise certification of transport-category aeroplanes
MT 17	Sound calibrators	IEC 62585 Ed.1: Electroacoustics - Methods to determine corrections to obtain the free-field response of a sound level meter

MT 4	Sound level meters	<p>IEC 61672-1 Ed.2: Electroacoustics - Sound level meters - Part 1: Specifications</p> <p>IEC 61672-2 Ed.2: Electroacoustics - Sound level meters - Part 2: Pattern evaluation tests</p> <p>IEC 61672-3 Ed.2: Electroacoustics - Sound level meters - Part 3: Periodic tests</p>
WG 5	Measurement microphones	Preparation of publications on measurement microphones.
WG 10	Audiometric equipment	Preparation of standards on audiometric equipment.
WG 13	Hearing aids	Preparation of standards on hearing aids.
WG 21	Head and ear simulators	<p>IEC 60318-1 (1998): Electroacoustics - Simulators of human head and ear - Part 1: Ear simulator for the calibration of supra-aural and circumaural earphones (revision of IEC 60318-1:1998 and IEC 60318-2:1998)</p> <p>IEC 60318-4 : Electroacoustics - Simulators of human head and ear - Part 4: Occluded-ear simulator for the measurement of earphones coupled to the ear by inserts (revision of IEC 60711:1981)</p> <p>IEC 60318-7 Ed.1: Electroacoustics - Simulators of human head and ear - Part 7: Head and torso simulator for acoustic measurements of air-conduction hearing aids"(Revision of IEC/TR 60959:1990)</p>
WG 22	Hearing loop systems and equipment	<p>To develop the following standards:</p> <p>IEC 62489-1 Ed.1: Electroacoustics - Audio-frequency induction loop systems for assisted hearing - Part 1: Methods of measuring and specifying the performance of system components</p> <p>IEC 62489-2 Ed 1:- Electroacoustics - Audio-frequency induction loop systems for assisted hearing - Part 2: Methods of calculating and measuring the low-frequency magnetic field emissions from the loop for assessing conformity with guidelines on limits for human exposure</p>
WG 24	Modular instrumentation for acoustic measurement	Preparation of a standard which gives requirements for the specification, application and tests of computer based modular instrumentation

		systems for acoustic measurements enabling comparability with instrumentation fulfilling the requirements of the IEC 61672 series.
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TC 29 Under Development Projects

S.no.	Project Name	Current Stage	Next Stage	Working Group
1.	PWI 29-46 ED1 IEC 60318-X Guide: Electroacoustics - Simulators of human head and ear - Part X: Guide to selection and use of devices	PWI 2014-05	prePNW 2024-04	WG 21
2.	PWI 29-56 Assistive listening system for hearing aid users using Bluetooth LE Audio (Auracast TM)	PWI 2021-10	prePNW 2023-10	
3.	PWI 29-57 Determination of high-frequency sound pressure levels emitted by high intensity ultrasonic equipment	PWI 2023-02	prePNW 2026-02	
4.	IEC 60601-2-66 ED4 Medical electrical equipment - Part 2-66: Particular requirements for the basic safety and essential performance of hearing aids and hearing aid systems	ACD 2022-11	CD 2023-09	WG 13
5.	IEC 60645-5 ED2 Electroacoustics - Audiometric equipment - Part 5: Instruments for the measurement of aural acoustic impedance/admittance	ACD 2023-01	CD 2023-11	WG 10
6.	IEC 60645-7 ED2 Electroacoustics - Audiometric equipment - Part 7: Instruments for the measurement of auditory brainstem responses	ACD 2022-11	CD 2023-11	WG 10
7.	IEC 61094-2 ED3 Electroacoustics - Measurement microphones - Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique	ACD 2023-01	CD 2024-06	WG 5
8.	IEC 61094-9 ED1 Electroacoustics – Measurement microphones – Part 9:	ACD 2020-01	CD 2023-03	WG 5

	Specifications for transfer standard microphones			
9.	IEC 61252 ED2 Electroacoustics - Specifications for personal sound exposure meters	ACD 2023-03	2CD 2023-10	MT 4
10.	IEC 63143 ED1 Electroacoustics – Modular instrumentation for acoustical measurements	ACD 2022-11	3CD 2023-10	WG 24