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Electroacoustics - Audiometric equipment -
Part 7: Instruments for the measurement of auditory evoked potentials

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Electroacoustics - Audiometric equipment-
Part 7: Instruments for the measurement of auditory evoked potentials**

FOREWORD

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IEC 60645-7 has been prepared by IEC technical committee 29: Electroacoustics. It is an International Standard.

This second edition cancels and replaces the first edition published in 2009 and IEC 60645-3:2020. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition: the contents of IEC 60645-3:2020 have been incorporated into this document to bring it in line with other parts of the IEC 60645 series, where the specification of the instrument and the associated test stimuli are included together in the same standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
29/1189/CDV	29/1199/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 60645 series, published under the general title *Electroacoustics – Audiometric equipment*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

Developments in the field of diagnostic hearing measurement have resulted in a number of instruments designed to evaluate the auditory evoked potentials of the human hearing system which can be evoked by acoustic or vibratory signals having different spectral and temporal characteristics.

The practical use of such instruments concerns the measurement of these electric potentials and their separation from electric signals emerging from other physiological or artificial sources.

Conformance to the performance specification in this document is demonstrated when a measured deviation from a design goal equals or does not exceed the corresponding acceptance limit(s), and the laboratory has demonstrated that the associated uncertainty of measurement equals or does not exceed the maximum permitted uncertainty specified in this document.

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