

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Digital audio interface –
Part 5: Consumer application enhancement**

**Interface audionumérique –
Partie 5: Amélioration de l'application grand public**





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DIGITAL AUDIO INTERFACE –**Part 5: Consumer application enhancement****FOREWORD**

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

Draft	Report on voting
100/3449/CDV	100/3517/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/standardsdev/publications.

A list of all parts in the IEC 60958 series, published under the general title *Digital audio interface*, 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 "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

IEC 60958-3 edition 1.0 was released in 1999 specifying the consumer applications of the interface for the inter-connection of digital audio equipment defined in IEC 60958-1. The applications have enhanced their quality including multichannel modes, high-precision bit length, and multi-stream modes. These enhancements imply a new part in the IEC 60958 series, appropriately keeping backward compatibility with IEC 60958-3 and providing a new enhanced digital audio interface.

DIGITAL AUDIO INTERFACE –

Part 5: Consumer application enhancement

1 Scope

This part of IEC 60958 enhances the consumer application of the interface for the interconnection of digital audio equipment defined in IEC 60958-1 and IEC 60958-3, introducing:

- multichannel;
- multi-stream;
- high-resolution;
- multimedia extension;
- related applications.

NOTE IEC 60958-3 specifies a consumer application to carry stereophonic programmes with a resolution of up to 24 bits per sample. This part of IEC 60958 enhances the application, allowing programmes with up to 64 channels, 64 bits per sample, and two simultaneous streams.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60958-1:20—1, *Digital audio interface – Part 1: General*

IEC 60958-3:20—2, *Digital audio interface – Part 3: Consumer applications*

IEC 62574:2020, *Audio, video and multimedia systems – General channel assignment of multichannel audio*

ISO/IEC 23001-8:2016, *Information technology – MPEG systems technologies – Part 8: Coding-independent code points*³

ITU-R BS.2094-1:2017, *Common definitions for the audio definition model*

ITU-R BS.2051-2:2018, *Advanced sound system for programme production*

¹ Under preparation. Stage at the time of publication: IEC CCDV 60958-1:2021.

² Under preparation. Stage at the time of publication: IEC CCDV 60958-3:2021.

³ This publication was withdrawn and replaced with ISO/IEC 23091-3:2018, ISO/IEC 23091-1:2018 and ISO/IEC 23091-2:2019.