IEC GUIDE 112

Edition 3.0 2008-05

GUIDE

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Guide on the safety of multimedia equipment

Guide pour la sécurité des matériels multimédias

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GUIDE ON THE SAFETY OF MULTIMEDIA EQUIPMENT

FOREWORD

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This guide has been prepared by the IEC Advisory Committee on Safety (ACOS).

The text of this guide is based on the following documents:

Approval document	Report on voting
C/1486/DV	C/1502/RV

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

This third edition cancels and replaces the second edition published in 2000. This edition includes the following significant technical changes with respect to the previous edition: reference is made to the latest editions of IEC 60065 and IEC 60950-1.

INTRODUCTION

This guide contains guidelines for using the current editions of IEC 60065 and IEC 60950-1 in evaluating the safety of multimedia equipment.

The following fundamental principle was adopted as the basis for this guide:

Equipment complying with the requirements of IEC 60065, as well as equipment complying with the requirements of IEC 60950-1, is considered to be safe when used on its own.

Such equipment when interconnected in multimedia systems in accordance with the installation instructions is also considered to be safe.

It should be noted that there are a number of differences between the two standards.

Requirements which should be fulfilled in addition to those in the current two standards are specified in this guide.

Additional clarifications are under consideration for both publications in IEC technical committee 108. Whenever IEC 60065 or IEC 60950-1 are amended or revised, or technical or market conditions change significantly, ACOS will consider this guide for revision.

For a multimedia system containing Class I and Class II equipment, the connection to the supply should ensure a reliable connection to protective earth for Class I equipment.

GUIDE ON THE SAFETY OF MULTIMEDIA EQUIPMENT

1 Scope

This guide contains guidelines for using the current editions of IEC 60065 and IEC 60950-1 in evaluating the safety of multimedia equipment.

2 Reference publications

IEC 60065:2001, *Audio, video and similar electronic apparatus – Safety requirements*
Amendment 1 (2005)

IEC 60950-1:2005, *Information technology equipment – Safety – Part 1: General requirements*

3 Guidelines

3.1 Compliance

Equipment for use in multimedia systems should comply with

– IEC 60065 or IEC 60950-1, according to the manufacturer's choice; and

– the additions listed in this clause.

3.2 General requirements

IEC 60065, Clause 3: this clause is applicable.

IEC 60950-1, Subclause 1.3: no additions required.

3.3 Interfaces to the telecommunication network

IEC 60065:   Annex B of IEC 60065 should be applied to equipment to which IEC 60065 is applied and which is intended for use in multimedia systems and for connection to a telecommunication network.

Alternatively, Clause 6 of IEC 60950-1 may be applied.

NOTE This choice applies to this item only and is permitted due to the fast evolution of the technology.

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