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Noise suppression sheet for digital devices and equipment –

Part 1: Definitions and general properties

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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International Standard IEC 62333-1 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

This standard is to be used in conjunction with IEC 62333-2.

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

FDIS	Report on voting
51/852/FDIS	51/860/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 62333 consists of the following parts, under the general title *Noise suppression sheet for digital devices and equipment:*

Part 1: Definitions and general properties

Part 2: Measuring methods

Further topics are under consideration and will be issued as new parts in the IEC 62333 series. The present Part 1 of IEC 62333 will cover new definitions and will be updated as and when necessary.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

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- withdrawn;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

A bilingual version of this publication may be issued at a later date.

NOISE SUPPRESSION SHEET FOR DIGITAL DEVICES AND EQUIPMENT –

Part 1: Definitions and general properties

1 Scope

This part of IEC 62333 provides terms and definitions for an electromagnetic noise suppression sheet for digital devices and equipment used in a frequency range of between 30 MHz to 30 GHz, and refers to the influence on the signal by usage of a noise suppression sheet. Guidance is also given for uniform presentation of the properties of a noise suppression sheet, intended for use in manufactures' technical data. A noise suppression sheet is distinguished from RF wave absorbers used in free space.

This part of IEC 62333 is limited to establishing terms and definitions. It constitutes a concise reference for Part 2 of the standard. Part 2 specifies in detail the measurement of parameters defined in Part 1. The two parts of IEC 62333 are therefore closely related, and are intended to be used together.

NOTE This standard also specifies the influences on signal lines by using these sheets.

2 Normative reference

The following referenced documents are indispensable for the application 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 60050, *International Electrotechnical Vocabulary (IEV)*

IEC 62333-2, *Noise suppression sheet for digital devices and equipment – Part 2: Measuring methods*