

Guidelines for product committees on the preparation of standards related to human exposure from electromagnetic fields

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National foreword

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CENELEC

European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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Foreword

This CENELEC Report has been prepared by CENELEC Technical Committee TC106X “Electromagnetic fields in the human environment”. This report has been accepted by ETSI and CEN as the basis for the development of electromagnetic fields (EMF) standards. It was approved by CENELEC on 2001-12-04.

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Introduction

The Council of the European Communities has adopted the COUNCIL DIRECTIVE of 19 February 1973 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits, 73/23/EEC, OJ L 77, 26.3.1973 and DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity, OJ L91/10, 7.4.1999 including limitation of exposure from electromagnetic fields. The Directives cover the whole frequency range.

The European Commission has given CENELEC, CEN and ETSI the task of preparing the necessary standards for the implementation of these directives under the mandate M/305 and with reference to the Council Recommendation 1999/519/EC.

The above-mentioned standards are necessary to enable the presumption of conformity to the protection requirements of the LV and RTTE Directives. Conformance to the appropriate standards will facilitate the free movement of apparatus placed on the market within the European Union (EU).

1 Purpose

The purpose of this report is to:

- give advice on the application of the basic and generic EMF standards,
- give advice on the preparation of product i.e. product-family or dedicated product EMF standards.

It should be noted that certification¹⁾ aspects are not considered in this report.

This report is primarily intended for product oriented committees preparing EMF standards.

2 Organisation and characteristics of EMF standards

To fulfil the tasks related to meeting the requirements of the LV and RTTE Directives, it is essential to be able to distinguish between the following four types of EMF standards:

- a) basic standards;
- b) generic standards;
- c) product-family standards;
- d) dedicated product standards.

In addition to the above types of standards, there is a need for a further category of documents including reports, guidance documents, codes of practice, etc. The following subclauses define (as precisely as practicable) the characteristics of these different types of standards.

¹⁾ Certification (of conformity) is the action by a third party demonstrating that adequate confidence is provided that a duly identified product, process or service is in conformity with a standard or with other normative documents.