

**IRISH STANDARD** 

### S.R. CLC/TR 50453:2007

**EVALUATION OF ELECTROMAGNETIC** 

FIELDS AROUND POWER

**TRANSFORMERS** 

ICS 29.020 29.180

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### TECHNICAL REPORT RAPPORT TECHNIQUE TECHNISCHER BERICHT

### CLC/TR 50453

May 2007

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English version

# Evaluation of electromagnetic fields around power transformers

Evaluation des champs électromagnétiques autour des transformateurs de puissance Bewertung von elektromagnetischen Feldern in der Umgebung von Leistungstransformatoren

This Technical Report was approved by CENELEC on 2006-01-14.

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## CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

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### Foreword

This Technical Report was prepared by Technical Committee CENELEC TC 14, Power Transformers.

The text of the draft was circulated for vote in accordance with the Internal Regulations, Part 2, Subclause 11.4.3.3 and was approved by CENELEC as CLC/TR 50453 on 2006-01-14.

This Technical Report supersedes R014-001:1999.

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### Introduction

EMC is covered by three kinds of standardisation documents:

Basic Standards:

Basic Standards are mainly informative documents covering disturbance phenomena, disturbance levels and test and measurement techniques. For example, EN 61000/IEC 61000 is a Basic Standard.

• Generic Standards:

Generic Standards are intended to cover a range of products for which no Product Standard exists. For example, EN 61000-3 and EN 61000-4, EN 61000-1 and EN 61000-2 are Generic Standards.

• Product Standards:

Product Standards are intended to deal with a specific family of electrical or electronic equipment.

Power transformers however, are considered as passive equipment and as such, the above referenced documents are not applicable.

This Technical Report is intended to give guidance on EMC phenomena associated with power transformers.



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