

# Electromagnetic compatibility — Immunity requirements for household appliances, tools and similar apparatus — Product family standard

The European Standard EN 55104:1995 has the status of a  
British Standard

ICS 33.100

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# Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CPL/61, Safety of electrical appliances, upon which the following bodies were represented:

- Agricultural Engineers Association
- Association of Consulting Scientists
- Association of Control Manufacturers (TACMA BEAMA Ltd.)
- Association of Manufacturers of Domestic Electrical Appliances
- British Cable Makers' Confederation
- British Electrotechnical Approvals Board
- British Pest Control Association
- British Retail Consortium
- Catering Equipment Manufacturers' Association
- Consumer Policy Committee of BSI
- Consumers' Association
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Electrical Installation Equipment Manufacturers' Association (BEAMA Ltd.)
- Electricity Association
- ERA Technology Ltd.
- Industrial Cleaning Machine Manufacturers' Association (BEAMA Ltd.)
- Institute of Trading Standards Administration
- Health and Safety Executive
- Institution of Electrical Engineers
- Loss Prevention Council
- Ministry of Defence
- Portable Electric Tool Manufacturers' Association
- Rotating Electrical Machines Association (BEAMA Ltd.)
- Royal Society for the Prevention of Accidents
- Small Electrical Appliances Marketing Association

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 December 1995

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The following BSI references relate to the work on this standard:  
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## Amendments issued since publication

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| 9961     | April 1998 | Indicated by a sideline in the margin |
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# National foreword

This British Standard has been prepared by Technical Committee CPL/61 and is the English language version of EN 55104:1995 *Electromagnetic compatibility. Immunity requirements for household appliances, tools and similar apparatus. Product family standard*, including Corrigendum 1997, published by the European Committee for Electrotechnical Standardization (CENELEC).

This Standard was withdrawn on the publication of BS EN 55014-2 in August 1997. It is now reinstated and will run in parallel with BS EN 55014-2 until 2001-01-01.

*Product certification.* Users of this British Standard are advised to consider the desirability of third party certification of product conformity with this British Standard based on testing and continuing product surveillance which may be coupled with assessment of a supplier's quality systems against the appropriate Part of BS EN ISO 9000.

Enquiries as to the availability of third party certification schemes are forwarded by BSI to the Association of British Certification Bodies. If a third party certification scheme does not already exist, users should consider approaching an appropriate body from the list of Association members.

### Cross-references

| Publication referred to                    | Corresponding British Standard                                                                                                                                                                                                                 |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENV 50140:1993                             | DD ENV 50140:1994 <i>Electromagnetic compatibility. Basic immunity standard. Radiated radio-frequency electromagnetic field. Immunity test</i>                                                                                                 |
| ENV 50141:1993                             | DD ENV 50141:1994 <i>Electromagnetic compatibility. Basic immunity standard. Conducted disturbances induced by radio-frequency fields. Immunity test</i>                                                                                       |
| EN 61000                                   | BS EN 61000 <i>Electromagnetic compatibility (EMC)</i>                                                                                                                                                                                         |
| EN 61000-4-11:1994<br>(IEC 1000-4-11:1994) | BS EN 61000-4-11:1994 <i>Voltage dips, short interruptions and voltage variations immunity tests</i>                                                                                                                                           |
| EN 55011:1991                              | BS EN 55011:1991 <i>Specification for limits and methods of measurement of radio disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment</i>                                                         |
| EN 55014:1993                              | BS EN 55014:1993 <i>Limits and methods of measurement of radio disturbance characteristics of electrical motor-operated and thermal appliances for household and similar purposes, electric tools and similar electric apparatus</i>           |
| IEC 50 (161):1990                          | BS 4727 <i>Glossary of electrotechnical, power, telecommunication, electronics, lighting and colour terms</i><br>Part 1 <i>Terms common to power, telecommunications and electronics</i><br>Group 09:1991 <i>Electromagnetic compatibility</i> |

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### Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 11 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

