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Essential information for industry

Core data for manufacturers and exporters

- Up-to-date with legislative and technical requirements?
- Do you have your stamp of approval with CE marking?
- Bringing new products to market?
- Exporting to other countries?



shape the future



Essential information for industry

Core data for manufacturers and exporters

As an increasingly high proportion of money goes into new product development, it is important that your strategies include the necessary checks for compliance to standards and regulations to facilitate entry into new markets and to avoid costly product recalls.

By carrying an internationally recognized stamp of approval, such as CE marking or the Kitemark, you are endorsing your level of commitment to providing safe and trouble-free products.

BSI Business Information produces a number of technical publications that are essential reading for those concerned with the supply, manufacture, purchasing or refurbishment of:

- Electrical equipment
- Machinery
- Automotive equipment
- Pressure vessels
- Protective personal equipment
- Construction products

The books cover international regulations and approval requirements, CE marking, and other legislative requirements.

If you are planning to launch new products to market, export into other markets, or if you need to check that your products meet the latest regulations and other requirements, then these books are just what you need.

Written and researched by experts

BSI Business Information's team of technical specialists research, compile, write and work with national and international experts in the field to ensure that the information provided in BSI books and guides has been validated, verified and is correct at the time of publication. This gives you the confidence to make business-critical decisions safe in the knowledge that you have the right information at your fingertips.

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ELECTRICITY & ELECTRICAL

Electrical Plugs and Wiring and World Electricity Supplies

The indispensable guide and reference source for electrical plugs, wiring and electricity supplies worldwide



This is a brand new book providing individual country information on electrical plugs, wiring and electricity supplies for over 110 countries spanning Europe, the Americas, the Middle East, Africa, Asia and the Pacific Rim.

An invaluable resource for any manufacturer, exporter or supplier of electrical goods and services, this international survey comes in two main parts.

The first part deals with plugs and wiring that would be used with mains-powered household and similar equipment, operating up to 250V a.c. single phase, with a maximum current rating of 20A. For most of the countries, individual country surveys contain information on plugs, mains cables, sockets for lamps (bulbs) and building wiring codes. In addition, the book contains a collection of diagrams that illustrate the style of plug used in each country as well as providing the main dimensions. The country pages also indicate which standards and regulations may be applicable to plugs, and the certification requirements and test bodies.

The second part provides useful comparative tables of world electricity supplies, voltages and frequencies. All domestic, commercial and industrial supplies are included, with some distribution voltages. Both line voltages and phase voltages are given when identifying the circuit diagram of the supply source connections. Supplementary notes provide additional information.

Contents include:

Electrical Plugs and Wiring - Introduction; IEC publications on plugs; Europe; Definitions and abbreviations; Country surveys; Plug diagrams World Electricity Supplies - Voltage tables; Circuit diagrams; Supplementary notes List of Worldwide Standards Organizations

For a full list of countries covered please visit www.bsi-global.com/plugs.

ISBN 0 580 45158 5 **BSI order ref** BIP 2074
Number of pages 280 **Format** A4 paperback **Price** £170

CE Marking for Electromagnetic Compatibility (EMC)

A guide to the EMC Directive



This is an essential reference tool for anyone involved in the design and manufacture of electrical equipment for the European Economic Area. It is a concise and easy-to-understand explanation of the EMC Directive, helping you to expand your market opportunities throughout the EEA; understand

your obligations under Directive 89/336/EEC; discover how to use the Directive; and follow the most economic route to compliance.

Contents include: The Directive, how do you achieve compliance; EC declarations of conformity; Demonstrating conformity; The EC mark of conformity; Harmonization of standards; Other relevant Directives; Competent bodies and notified bodies; National laws in EC Member States; The text of Community documents; How the EMC Directive relates to CE marking with other Directives.

To keep you informed of key developments, we also provide an update service, which is available to you free of charge for the first year, after which you can renew for an annual fee.

ISBN 0 580 20917 2 **BSI order ref** TH 42056
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World Electricity Supplies

Voltages and frequencies



Any exporter of electrical goods needs to know the power supply of their potential customers. This publication lists the values and tolerances expected in over 200 countries.

Contents include: Supply voltages - domestic, commercial and industrial installations; Voltage tolerance; Frequency and tolerance; Transmission and distribution voltages; Supply circuits, phases and earthing.

ISBN 0 580 26445 9 **BSI order ref** TH 20338
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CE Marking for Electrical Equipment (The Low Voltage Directive)

A guide to CE marking



When designing electrical equipment to the Electrical Equipment Designed to Operate within Certain Voltage Limits Directive (sometimes known as the Low Voltage Directive), you need the guidance in this handbook.

This concise, easy-to-understand publication guides you through the Directive, the use and application of standards, testing and CE marking so that you:

- become aware of your legal responsibilities
- discover how to use the Directive
- follow the most economic route to compliance
- trade more successfully within Europe.

Contents include: Equipment included in and excluded from the Directive; How to comply with the conformity procedures; The Technical Construction File and its contents; Hazard and risk assessment; CE marking requirements; How to complete the declaration forms (including examples); Relationship with other relevant EC Directives including EMC and Machinery; Energy efficiency and labelling; Copy of the Electrical Equipment Directive 73/23/EEC; A list of all current harmonized electrical equipment standards.

To keep you informed of key developments, we also provide an update service which is available to you free of charge for the first year, after which you can renew for an annual fee.

ISBN 0 580 26430 0 **BSI order ref** TH 42075

Price £150 Loose-leaf with binder

Electrical Equipment for Flammable Atmospheres

An international survey of certification and approval requirements



This handbook gives details of the technical requirements applying to electrical installations for use in flammable atmospheres, in the form of country surveys. It provides an easy reference source for designers, manufacturers, suppliers and purchasers of electrical equipment.

The publication covers 35 countries. Each country survey has been prepared to show, where applicable:

- which regulations, codes of practice or standards govern the use of electrical equipment in flammable atmospheres
- how flammable gases, vapours, liquids or other substances and areas in which they may be present are classified, together with a comparison with British and/or international classifications
- which methods of explosion protection are in common use and which standards detailing construction and test requirements are used
- whether certification from the UK or some other country is acceptable in lieu of national certification
- where foreign certification is not acceptable, whether test reports from other recognized testing stations can facilitate the granting of national certification/approval.

BSI is expanding this publication on a quarterly basis to cover as many countries as possible and will give subscribers the opportunity to get more valuable information.

Contents include: Overview of European Directives; Electricity supply; Technical requirements; Approval systems and procedures; List of harmonized standards; List of notified bodies; ATEX Directive.

To keep you informed of key developments, we also provide an update service, which is available to you free of charge for the first year, after which you can renew for an annual fee.

ISBN 0 905 87710 1 **BSI order ref** TH 42065

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The Pressure Equipment Directive (97/23/EC) was adopted throughout the European Union to provide a legislative framework for equipment liable to be a pressure hazard. Its purpose is to harmonize national laws of Member States regarding the design, manufacture, testing and conformity assessment of pressure equipment and assemblies of pressure equipment.

It is important for manufacturers of items such as pressurized storage containers, heat exchangers, steam generators, boilers, industrial piping, safety devices and pressure accessories to know that products:

- are safe
- meet essential safety requirements covering design, manufacture and testing
- satisfy appropriate conformity assessment procedures
- carry CE marking and other information.

Boilers and Pressure Vessels

An international survey of design and approval requirements



This publication provides information on the national regulations, design codes, approval organizations, acceptable international design codes and United Kingdom inspection organizations. This information will enable manufacturers to see at a glance the requirements

which must be met by prospective boiler and pressure vessel exporters.

This international survey covers 130 countries around the world, technical regulations, design codes and approval requirements for boilers, stationary pressure vessels, and transportable pressure vessels, including road tankers, and rail and compressed gas cylinders. A list of all inspection bodies appointed in respect of Directive 87/404/EEC Simple Pressure Vessels for all European Union countries has been included. This list will be updated from the Official Journal of the EC, as necessary. A list of international standards organizations and their addresses has also been incorporated.

ISBN 0 905 87761 6 **BSI order ref** TH 20344

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Pressure Vessels: Germany

In two volumes, this is a complete reference source for the design, manufacture, testing and in-service requirements of pressure equipment for the German market. BSI is the official translator of the AD-Merkblätter for the German publisher and as such has advanced warning of any amendments to these documents.

Contents include: Report on exporting to Germany; Pressure Vessel Design Code (AD-Merkblätter); Technical Regulations for Pressure Vessels (TRB); Technical Regulations for Piping (TRR); Pressure Vessel Order (Druckbeh V); Equipment Safety Law (GSG); EC Directive implementation guidance.

The price includes regular updates, advanced copies of translations on any amendments of the AD-Merkblätter and supply of official copies of amended AD-Merkblätter as these are published for the relevant subscription year.

ISBN 0 905 87742 X **BSI order ref** TH 42069

Price £1,500 Loose-leaf with binder

CE Marking for Machinery A guide to the European Directive



This guide is for all those involved in the supply, manufacture, refurbishing and purchasing of machinery. It gives practical advice on how to CE mark products falling within the scope of the Machinery Directive.

Contents include: Machinery included in and excluded from the Directive; The Technical Construction File and its contents; Hazard and risk assessment (including a copyright-free template); CE marking requirements; How to complete the different Declaration forms (including examples); Relationship with other relevant EC Directives including EMC and Low Voltage; Requirements for refurbished and second-hand machinery; Copy of the Machinery Directive 98/37/EC; A list of all current harmonized machinery standards.

ISBN 0 580 26425 4 **BSI order ref** TH 42073
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Motor Vehicles and Equipment

An international guide to the application of EC, ECE and national approval schemes



This international survey details the requirements for all manufacturers and exporters of passenger cars, goods vehicles, trailers, semi-trailers, motorcycles, safety-related and emission control equipment in over 45 countries worldwide.

It is designed to provide you with the technical regulations and the knowledge you require to:

- reduce cost and time during the development and design stage
- successfully export your products throughout the world
- prevent product recall and expensive re-work or modification
- understand your legal obligations.

Contents include: A list of all European, national and international legislation, regulations and specifications (standards); Approval schemes including those of the European Community (EC) and the Economic Commission for Europe (ECE); EC Mutual Recognition Agreements; Type approval; Testing and approval of equipment; Approval, inspection and testing organizations.

ISBN 0 580 26400 9 **BSI order ref** TH 42043
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CE Marking for Personal Protective Equipment

A guide to the European Directive



Protective clothing and footwear, eyesight and hearing protectors and breathing apparatus all fall within the scope of the Personal Protective Equipment Directive for Simple, Intermediate and Complex Design.

This publication has been produced for all those involved with the design, manufacture and use of personal protective equipment. This guide shows you how to CE mark your products.

Contents include: Products and equipment covered by the Directive; simple, intermediate and complex design; Products and equipment excluded by the Directive; Copy of the Personal Protective Equipment Directive 89/686/EEC; Copy of the amending Directives 95/95/EEC, 93/68/EEC and 96/58/EC; A list of all current harmonized Personal Protective Equipment (PPE) standards; How to comply with the conformity procedures; The Technical File and its contents; CE marking requirements; How to complete the declaration forms (including example); Technical file checklist; Certification; List of UK notified bodies.

ISBN 0 580 26420 3 **BSI order ref** TH 42072
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The Construction Products Directive (CPD)

A guide to the Requirements & CE Marking



The Construction Products Directive (CPD) is one of the 'New Approach' Directives that aim to create a single European market by removing the technical barriers to trade between Member States through the use of harmonized standards and approvals.

Recently revised and regularly updated, this publication explains the implications of the Construction Products Directive and gives guidance on compliance.

Contents include: Copy of the Construction Products Directive; Explanation of the essential requirements; New values and classification systems explained; The CE marking process, step by step; CE marking requirements; List of notified bodies, current harmonized standards, supporting standards and European Technical Approvals.

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