

Procedure for the declaration of materials in products of the electrotechnical and electronics industry

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National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

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PROCEDURE FOR THE DECLARATION OF MATERIALS IN PRODUCTS OF THE ELECTROTECHNICAL AND ELECTRONIC INDUSTRY

1 Scope

This PAS describes the form and procedure relating to the declaration of materials in products of companies operating in the electrotechnical and electronic industry (E&E industry) and its supplier industry, including the operational materials contained in the products.

NOTE 1 The declaration provides product information which is the foundation for a database which can be referred to in order to solve the following tasks, for example:

- assurance of legal compliance;
- management of business risks;
- fulfilment of market requirements in relation to the products;
- market information;
- preparation of self-declared environmental claims;
- assessment of effects of products on people and environment;
- implementation of avoidance and replacement strategies, reduction in material proliferation;
- information for reprocessing and removal;
- reuse, recovery and safe disposal of products or product parts;
- carrying out of supplier audits.

These data will be supplemented by the obligations under chemical substances laws to furnish material safety data sheets and by information on occupational health and safety. The declaration governed by this specification should be taken into account in purchasing and delivery agreements.

NOTE 2 There might exist additional statutory requirements. Compliance with statutory regulations is the duty of the person placing the product on the market and is a prerequisite. This concerns, for example, materials in products for which restrictions have legally binding force in the legislative area applicable to the person placing the product on the market.

NOTE 3 This information on materials in products can be drawn upon, for example, when preparing life-cycle assessments in accordance with ISO 14040 ff. or environmental labels conforming to ISO 14020, ISO 14021, ISO 14024 or ISO 14025.

NOTE 4 Criteria for selecting materials and individual constituents to be declared are not yet elaborated in this specification.

NOTE 5 The depth of declaration can be the subject of an agreement between the parties involved.

NOTE 6 Material declarations constitute one of the tools within environmental management according to ISO 14062.

NOTE 7 The material declaration is subject to account being taken of agreements on confidentiality and protection of intellectual property along the process chain.

This PAS is intended for use by the technical committees in the drafting of standards as well as by the product suppliers for the declaration of materials in products of the E&E industry in conformance with the basic principles laid down in IEC Guide 113.

2 Normative references

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 Guide 113, *Materials declaration questionnaires – Basic guidelines*¹

¹ To be published.

ISO 14020:2000, *Environmental labels and declarations – General principles*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

product

result of labour or of a natural or industrial process

[IEC 61360-1]

NOTE This general definition of *product* is in the context of this PAS limited to any *product* of the product category "hardware" according to ISO 9000:2000 No. 3.4.2 of and for the electrotechnical and electronic industry (E&E).

3.2

product part

subunit(s) of a product

NOTE Many *products* consist of *product parts*, such as equipment enclosures, assembled printed circuit-boards and power supplies.

3.3

product subpart

subunit(s) of a product part

NOTE 1 A *product part*, such as an assembled printed circuit-board, consists, for example, of the *product subparts* bare printed circuit-board and components.

NOTE 2 The terms *product*, *product part* and *product subpart* can be reassigned at any value-adding assembly level in the E&E industry. A *product* from the supplier's perspective may be a *product part* or *product subpart* from the customer's perspective.

3.4

material

substance or preparation within a product, product part or product subpart

NOTE 1 The definition for *substance* and *preparation* conforms to that in the European Union and in the European Economy Area according to Directive 67/548/EEC. It also conforms to the definitions of the chemical *substances* laws, for example, of Japan and the USA.

NOTE 2 The inclusion of impurities in the classification and the explicit specification of the *individual constituents* (including impurities) of *substances* and *preparations* are governed by regulations, for example, in the European Union and in the European Economy Area in Annex VI of Directive 67/548/EEC. An impurity is a chemical element or chemical compound which occurs in a *substance* as a result of natural occurrence or by reason of technical necessities and which have not been added intentionally.

3.5

substance

chemical element and its compounds in the natural state or obtained by any production process, including any additive necessary to preserve the stability of the *products* and any impurity deriving from the process used but excluding any solvent that can be separated without affecting the stability or changing its composition

3.6

preparation

mixture or solution composed of two or more *substances*

NOTE An alloy, i.e. metallic mixture, composed of at least two components, of which at least one is a metal, is a *preparation*.

3.7

individual constituent

individual *substance* or *preparation* of a *material*

NOTE Every *material* consists of at least one *individual constituent* and a *material* may also consist exclusively of a single *individual constituent*.