BRITISH STANDARD

BS EN
1655 : 1997

Copper and copper alloys — Declarations of conformity

The European Standard EN 1655 : 1997 has the status of a British Standard

ICS 77.120.30

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee NFE/34, Copper and copper alloys, upon which the following bodies were represented:

British Bathroom Council
British Bronze and Brass Ingot Manufacturers
British Cable Makers Confederation
British Non-Ferrous Metals Federation
Britsih Refrigeration Association
British Valve and Actuator Manufacturers' Association
Inco Europe Limited
London Metal Exchange
Non-Ferrous Metal Stockists
Transmission and Distribution Association (BEAMA Limited)

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Contents

National foreword

This British Standard has been prepared by Technical Committee NFE/34, and is the English language version of EN 1655 : 1997 *Copper and copper alloys — Declarations of conformity*, published by the European Committee for Standardization (CEN).

Cross-references

Publication referred to	Corresponding British Standard
EN 45001	BS 7501 : 1989 *General criteria for the operation of testing laboratories*
EN 45002	BS 7502 : 1989 *General criteria for the assessment of testing laboratories*
EN ISO 9001	BS EN ISO 9001 : 1994 *Quality systems — Model for quality assurance in design development, production, installation and servicing*
EN ISO 9002	BS EN ISO 9002 : 1994 *Quality systems — Model for quality assurance in production, installation and servicing*
EN ISO 9003	BS EN ISO 9003 : 1994 *Quality systems — Model for quality assurance in final inspection and test*

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 8, an inside back cover and a back cover.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1655

March 1997

ICS 77.120.30

Descriptors: Copper, copper alloys, quality assurance, user supplier relations, certification, specifications

English version

Copper and copper alloys — Declarations of conformity

Cuivre et alliages de cuivre —
Déclarations de conformité

Kupfer und Kupferlegierungen —
Konformitätserklärungen

This European Standard was approved by CEN on 1997-02-09. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 133, Copper and copper alloys, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 1997, and conflicting national standards shall be withdrawn at the latest by September 1997.

Within its programme of work Technical Committee CEN/TC 133 requested CEN/TC 133/WG 9, Inspection documents, to prepare the following standard:

prEN 1655 *Copper and copper alloys — Declarations of conformity*

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Contents

Introduction

Many types of documentation system are currently used in Europe for the declaration by a supplier of the quality of goods supplied to a purchaser.

This European Standard draws together this variety of document types into a simple, unified system. The standard is broadly based on EN 45014. It takes account of the fact that a growing number of producers of copper and copper alloy products have certified quality systems assessed to EN ISO 9001, EN ISO 9002 or EN ISO 9003 and/or have testing laboratories operating in conformity with EN 45001. It recognises the greater confidence which can be placed on any declarations of conformity and test results supplied by such organizations.

1 Scope

This European Standard specifies the criteria for four types of declaration of conformity which are available to purchasers of copper and copper alloy products. It specifies the minimum requirements for the contents of each type of declaration, as well as criteria concerning the competence of a supplier to issue the declarations.

NOTE. EN 10204 defines types of inspection document.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 45001	*General criteria for the operation of testing laboratories*
EN 45002	*General criteria for the assessment of testing laboratories*
EN ISO 9001	*Quality systems — Model for quality assurance in design/development, production, installation and servicing* (ISO 9001 : 1994)
EN ISO 9002	*Quality systems — Model for quality assurance in production, installation and servicing* (ISO 9002 : 1994)
EN ISO 9003	*Quality systems — Model for quality assurance in final inspection and test* (IS0 9003 : 1994)

NOTE. Informative references to documents used in the preparation of this standard and cited at the appropriate places in the text, are listed in a bibliography, see annex A.

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 testing laboratory

Laboratory that performs tests. [EN 45001]

3.2 laboratory accreditation

Formal recognition that a testing laboratory is competent to carry out specific tests or specific types of tests. [EN 45001]

3.3 accredited laboratory

Testing laboratory to which accreditation has been granted [EN 45001].

NOTE. 'Accredited' in this context means assessed using the criteria in EN 45002 and accredited in accordance with EN 45001.

3.4 assessed laboratory

Testing laboratory which has been assessed and certified by an independent certification body as part of the supplier's EN ISO 9001 or EN ISO 9002 quality system.

NOTE. Such an assessed laboratory can also be an accredited laboratory as defined in **3.3**.

3.5 certified quality system

Organizational structure, procedures, processes and resources needed to implement quality management which have been independently assessed and certified as being in accordance with EN ISO 9001, EN ISO 9002 or EN ISO 9003, as appropriate.

3.6 manufacturer

Organization that manufactures the respective product.

3.7 processor

Organization which is supplied with products by manufacturers and/or intermediaries and changes the state or dimensions of the products in any way, or combines two or more products to form new products, so that further or modified quality characteristics are created.

3.8 intermediary

Organization which is supplied with products by manufacturers and which then supplies these products, with or without changes, to purchasers. Further or modified quality characteristics are not created.

3.9 supplier

Organization that is responsible for the respective product delivered to the purchaser and which is able to ensure that the appropriate quality system is operated.

NOTE. The supplier may be either manufacturer, processor or intermediary.

3.10 purchaser

Recipient of a product provided by the supplier in a contractual situation.

3.11 declaration of conformity

Statement by a supplier, claiming under his sole responsibility that a product is in conformity with the standard.

3.12 authorized representative

Appointed representative of the supplier, who is responsible for the validation and issue of the declaration of conformity.

4 Competence of supplier to issue declarations of conformity

4.1 General

Four types of supplier's declaration of conformity are specified, based on the extent of the supplier's quality system and laboratory capabilities. The requirements to be satisfied by a supplier to issue each type of declaration designated Type A, B, C and D are given in **4.2** to **4.6**, and are summarized in table 1.

4.2 Type A declaration of conformity

A supplier who does not have a certified quality system (see **3.5**), nor an accredited laboratory (see **3.3**) is competent to issue only a Type A declaration of conformity.

4.3 Type B declaration of conformity

A supplier who does not have a certified quality system (see **3.5**), but has, or has access to, an accredited laboratory (see **3.3**), is competent to issue a Type B declaration of conformity (see also **4.6**).

4.4 Type C declaration of conformity

A supplier who has a certified quality system (see **3.5**), but does not have, or have access to, an accredited laboratory (see **3.3**), or an assessed laboratory (see **3.4**) is competent to issue a Type C declaration of conformity (see also **4.6**).

4.5 Type D declaration of conformity

A supplier who has a certified quality system (see **3.5**), and has, or has access to, an accredited laboratory (see **3.3**), or an assessed laboratory (see **3.4**), is competent to issue a Type D declaration of conformity (see also **4.6**).

4.6 Permitted flexibility

Suppliers competent to issue Type B or Type C declarations (see **4.3** and **4.4**) are also competent to supply Type A declarations, where appropriate.

Suppliers competent to issue Type D declarations (see **4.5**) are also competent to supply Type A, Type B and Type C declarations, where appropriate.

5 Contents of the declaration of conformity

The declaration of conformity shall contain sufficient information to enable all products covered by it to be traced back to it. The minimum information to be included on each of the four types of declaration shall conform to the appropriate requirements given in table 2.

For Type C and Type D declarations, the supplier shall demonstrate compliance with the requirements of EN ISO 9001, EN ISO 9002 or EN ISO 9003 by indicating the appropriate quality system certification authority and the number of the approval certificate. Declarations which do not give this information do not conform to the respective Type C or Type D declarations of this standard.

For Type B and Type D declarations, the supplier shall demonstrate compliance of the laboratory facilities used with the requirements of either:

a) EN ISO 9001 or EN ISO 9002 (where the laboratory facilities of the supplier were certified as included in the assessment carried out by the independent body); or

b) EN 45001 or EN 45002 accreditation.

Such compliance shall be demonstrated by indicating the appropriate laboratory assessment or accreditation body and the number or identification of the assessment or accreditation. Declarations which do not give this information do not conform to the respective Type B or Type D declarations of this standard.

Table 1. Competence of a supplier to issue declarations of conformity

Supplier's quality system and testing facilities		**Type of declaration of conformity permitted to be issued by the supplier**
Certified quality system assessed to EN ISO 9001, EN ISO 9002 or EN ISO 9003	**Accredited laboratory (3.3) or assessed laboratory (3.4)**	
No	No	Type A (only)
No	Yes	Type B (also Type A)
Yes	No	Type C (also Type A)
Yes	Yes	Type D (also Types A, B, and C)

Table 2. Contents of the declaration of conformity

Minimum information	Declaration of conformity			
	Type A	**Type B**	**Type C**	**Type D**
a) name and address of supplier	X	X	X	X
b) identification number and date of issue of declaration of conformity	X	X	X	X
c) name and address of purchaser	X	X	X	X
d) purchaser's order number	X	X	X	X
e) supplier's order number	X	X	X	X
f) the full description of the products, (including denomination, standard number, material designation, and any other essential items, such as material condition, shape, dimensions, tolerance class, drawing number and corner type.) NOTE. For brevity the use of the product designation, generally given in clause **4** of the product standard, is recommended.	X	X	X	X
g) quantity of product supplied	X	X	X	X
h) the following declaration: "The products to which this declaration relates conform to the conditions and requirements of the purchaser and to the description, quantity and specification stated".	X	X	X	X
and in addition, as appropriate:				
"The test results have been determined by an assessed or accredited laboratory."		X		
"These products have been produced under a certified quality system."			X	
"These products have been produced under a certified quality system. The test results have been determined by an assessed or accredited laboratory."				X
i) signature, or an equivalent marking, and position in the organization of the authorized representative (see **3.12** and clause **7**)	X	X	X	X
j) quality system certification body			X	X
k) quality system registration number			X	X
l) laboratory test report identification		X		X
m) laboratory assessment or accreditation body		X		X
n) laboratory assessment or accreditation serial number or identification		X		X

6 Documents to be supplied by a processor or an intermediary

When a product, covered by a manufacturer's declaration of conformity, is supplied to a purchaser via a processor or an intermediary, these latter shall furnish the purchaser with either:

a) a copy of the manufacturer's declaration of conformity; or

b) their own document, making reference to the manufacturer's declaration.

In the case of b), the document shall contain sufficient information to ensure correlation between the product and the documentation.

If the processor or intermediary has changed the properties or dimensions of the product in any way, he shall supply an additional document declaring conformity under these new conditions. This shall also apply to all special requirements not included in the manufacturer's documentation.

7 Validation of declarations of conformity

The validation of the declaration of conformity shall be in accordance with a), b) or c), as follows, having regard to the requirement to indicate under whose authority the declaration has been issued.

a) Signature of the authorized representative (see **3.12**). In addition the name(s), and position(s) in the organization, of the signatory (signatories) shall be indicated.

b) Typed name, or identification number, of the authorized representative (see **3.12**), where this forms part of a certified quality system (see **3.5**).

c) Indication of the name or identification number of the authorized representative (see **3.12**), if the declaration of conformity is prepared by a data processing system.

8 Issue of declarations of conformity

The declaration of conformity shall be issued with, or as part of, the supplier's documents of delivery.

Annex A (informative)

Bibliography

In the preparation of this European Standard, use was made of a number of documents for reference purposes. These informative references are cited at the appropriate places in the text and the publications are listed hereafter.

EN 10204 *Metallic products — Types of inspection documents*

EN 45014 *General criteria for suppliers' declaration of conformity*

List of references

See national foreword.

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