

Industrial automation systems — Numerical control of machines — Vocabulary

The European Standard EN ISO 2806:1996 has the status of a British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to the Advanced Manufacturing Technology Systems Standards Policy Committee (AMT/-) upon which the following bodies were represented:

- Abb Kent plc
- British Aerospace
- British Computer Society
- CIMIO Ltd.
- Department of Trade and Industry (National Engineering Laboratory)
- Department of Trade and Industry [Services Management Division (IMS)]
- Digital Equipment Co. Ltd.
- Electricity Association
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- Nine Tiles Computer Systems Ltd.
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- Weir Systems Ltd.

This British Standard, having been prepared under the direction of the Advanced Manufacturing Technology Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 February 1995

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National foreword

This British Standard has been prepared under the direction of the Advanced Manufacturing Technology Assembly and is the English language version of EN ISO 2806:1996 *Industrial automation systems — Numerical control of machines — Vocabulary*, published by the European Committee for Standardization (CEN). It is identical with ISO 2806:1994 published by the International Organization for Standardization (ISO).

This British Standard has been produced to fulfil BSI's obligation to publish all approved European Standards but, because of the absence of interest in the UK in the subject concerned, there has been no UK participation in the preparation of EN ISO 2806.

This British Standard is published under the direction of the Advanced Manufacturing Technology Assembly, AMT/- who have the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE International and European Standards, as well as overseas standards, are available from Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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 ISO title page, page 2, the ISO title page, pages ii to vi, pages 1 to 23 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.

English version

Industrial automation systems — Numerical control of machines — Vocabulary

(ISO 2806:1994)

Systèmes d'automatisation industrielle —
Commande numérique des machines —
Vocabulaire
(ISO 2806:1994)

Industrielle Automatisierungssysteme —
Numerische Steuerung von Maschinen —
Begriffe
(ISO 2806:1994)

This European Standard was approved by CEN on 1996-07-24. 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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

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

Foreword

The text of the International Standard from ISO/TC 184, Industrial automation systems and integration, of the International Organization for Standardization (ISO) has been taken over as a European Standard by the Technical Committee CEN/TC 310, Advanced Manufacturing Technologies, the Secretariat of which is held by BSI.

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 February 1997, and conflicting national standards shall be withdrawn at the latest by February 1997.

According to 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.

Annex A is for information only.

INTERNATIONAL
STANDARD

ISO
2806

NORME
INTERNATIONALE

Second edition
Deuxième édition
1994-07-15

**Industrial automation systems — Numerical
control of machines — Vocabulary**

**Systèmes d'automatisation industrielle —
Commande numérique des machines —
Vocabulaire**



Reference number
Numéro de référence
ISO 2806:1994(E/F)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2806 was prepared by Technical Committee ISO/TC 184, *Industrial automation systems and integration*, Subcommittee SC 1, *Physical device control*.

This second edition cancels and replaces the first edition (ISO 2806:1980). The following revisions have been made:

- the contents have been restructured into more logical subclauses;
- out-of-date terms and definitions have been deleted;
- a number of terms and definitions have been revised;
- new terms and definitions have been added;
- an informative annex has been added;
- the entries have been renumbered as a consequence of the above changes.

Annex A of this International Standard is for information only.

Avant-propos

L'ISO (Organisation internationale de normalisation) est une fédération mondiale d'organismes nationaux de normalisation (comités membres de l'ISO). L'élaboration des Normes internationales est en général confiée aux comités techniques de l'ISO. Chaque comité membre intéressé par une étude a le droit de faire partie du comité technique créé à cet effet. Les organisations internationales, gouvernementales et non gouvernementales, en liaison avec l'ISO participent également aux travaux. L'ISO collabore étroitement avec la Commission électrotechnique internationale (CEI) en ce qui concerne la normalisation électrotechnique.

Les projets de Normes internationales adoptés par les comités techniques sont soumis aux comités membres pour vote. Leur publication comme Normes internationales requiert l'approbation de 75 % au moins des comités membres votants.

La Norme internationale ISO 2806 a été élaborée par le comité technique ISO/TC 184, *Systèmes d'automatisation industrielle et intégration*, sous-comité SC 1, *Ensemble de commande pour les équipements*.

Cette deuxième édition annule et remplace la première édition (ISO 2806:1980). Les révisions suivantes ont été apportées:

- le contenu a été restructuré avec des paragraphes plus logiques;
- les termes et définitions obsolètes ont été supprimés;
- de nouveaux termes et définitions ont été ajoutés;
- une annexe informative a été ajoutée;
- les entrées ont été renumérotées en conséquence des changements mentionnés ci-dessus.

L'annexe A de la présente Norme internationale est donnée uniquement à titre d'information.