

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 0452-2 : 2005

(IEC 61346-2 : 2000)

(JSA)

**Industrial systems, installations and
equipment and industrial products —
Structuring principles and reference
designations — Part 2 : Classification of
objects and codes for classes**

ICS 01.080.40 ; 01.110 ; 29.020

Reference number : JIS C 0452-2 : 2005 (E)

PROTECTED BY COPYRIGHT

19 S

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from the Japanese Standards Association (JSA), with a draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been made based on IEC 61346-2:2000 *Industrial systems, installations and equipment and industrial products—Structuring principles and reference designations—Part 2 : Classification of objects and codes for classes* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS C 0452 consists of the following two parts under the general title. *Industrial system, installations and equipment and industrial products—Structuring principles and reference designations:*

Part 1 : Basic rules

Part 2 : Classification of objects and codes for classes

In addition, IEC 61346 series has the following parts as the related standards:

IEC/TR 61346-3 : 2001 *Industrial systems, installations and equipment and industrial products—Structuring principles and reference designations—Part 3 : Application guidelines* (Technical Report)

IEC/TR 61346-4 : 1998 *Industrial systems, installations and equipment and industrial products—Structuring principles and reference designations—Part 4 : Discussion of concepts* (Technical Report)

Date of Establishment: 2005-04-20

Date of Public Notice in Official Gazette: 2005-04-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

JIS C 0452-2 : 2005, First English edition published in 2006-04

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	2
3 Definitions	2
4 Classification principle	2
5 Classification of objects according to purpose or task and associated letter code	3
6 Classification of infrastructure objects and associated codes	11
7 Subclasses	14
Annex A (informative) Basic requirements for the definition of letter codes indicating the types of objects	16
Annex B (informative) Object-classes related to a generic process	19
Annex C (informative) Object-classes related to objects in a generic infrastructure	21
Annex D (informative) Letter symbols for measured or initiating variable	22
Annex 1 (informative) Supplement of terms	24
Annex 2 (informative) Supplement of object orientation	26
Annex 3 (informative) Concordance	31

Industrial systems, installations and equipment and industrial products— Structuring principles and reference designations— Part 2 : Classification of objects and codes for classes

Introduction This Japanese Industrial Standard has been prepared based on the first edition of IEC 61346-2 *Industrial systems, installations and equipment and industrial products—Structuring principles and reference designations—Part 2 : Classification of objects and codes for classes* published in 2000 without modifying the technical contents.

The portions given sidelines or dotted underlines are the matters not stated in the original International Standard.

The purpose of this Standard is to establish the classification system and the corresponding letter codes of objects applicable through all the technical fields for realizing by reference designations the object and structuring between objects of products described in the document among the standard group which specify the technical document in the electricity and electricity-related field of International Standard. In JIS C 0452-1 which specifies the basic principles on reference designation, the letter codes used in former IEC 60750 are compiled as Annex E and have been maintained unless they conflict with these basic principles. Although the specification on letter codes is replaced by this specification, efforts have been made so that modifications from the former standard are reduced to the minimum.

Information : In IEC 61346-1, the basic principles on structuring principles and reference designations are specified as part 1, and the letter codes specified in former IEC 60750 are referred to in Annex E. However, former IEC 60750 is replaced by IEC 61346-2 which is newly published and the original International Standard of this Standard, and is made invalid. On the occasion of the establishment of IEC 61346-2, study was performed so that the content of former IEC 60750 might be covered in IEC 61346-2.

1 Scope This part of JIS C 0452 defines object classes and associated letter codes for these classes to be used in reference designations.

The classification schemes are applicable for objects in all technical areas and may be applied at any position in a tree-like structure set up in accordance with JIS C 0452-1.

NOTES 1 The classification of objects that are of interest from the location aspect only is not considered in the present edition of JIS C 0452-2.

2 The International Standard corresponding to this Standard is as fol-