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colour inside

Information model covering the contents of IEC 81346-1 and IEC 81346-2, IEC 61175, IEC 61666 and IEC 81714-3

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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CONTENTS

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FOREWORD

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Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC 62771, which is a technical specification, has been prepared by IEC technical committee 3: Information structures, documentation and graphical symbols.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
3/1080/DTS	3/1102/RVC

Full information on the voting for the approval of this technical specification can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- transformed into an International standard,
- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INFORMATION MODEL COVERING THE CONTENTS OF IEC 81346-1 AND IEC 81346-2, IEC 61175, IEC 61666 AND IEC 81714-3

1 Scope

This Technical Specification contains a formal reference information model of the concepts and methods established in IEC 81346-1, IEC 81346-2, IEC 61175, IEC 61666 and IEC 81714-3, which are its normative basis.

The information model is normative with respect to data exchange.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 61175:2005, *Industrial systems, installations and equipment and industrial products – Designation of signals*

IEC 61360-1, *Standard data elements types with associated classification scheme for electric items – Part 1: Definitions – Principles and methods*

IEC 61360-DB, *IEC Common Data Dictionary*[1]

IEC 61666, *Industrial systems, installations and equipment and industrial products – Identification of terminals within a system*

IEC 81346-1, *Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 1: Basic rules*

IEC 81346-2, *Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 2: Classification of objects and codes for classes*

IEC 81714-3, *Design of graphical symbols for use in the technical documentation of products – Part 3: Classification of connect nodes, networks and their encoding*

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1 At the next revision the title of the IEC 61360 series will be modified to: *Standard data element types with associated classification scheme for products and services*, with Part 1: *Definitions, principles and methods*, Part 2: *EXPRESS Dictionary schema*, Part 4: *IEC reference collection for products and services used in electrotechnology*, and Part 5: *Extensions to the EXPRESS dictionary schema*. Likewise the title of the database will be: IEC 61360-DB*: IEC Common Data Dictionary*.