

This is a preview - click here to buy the full publication



ISO/IEC/TR 14763-2-1

Edition 1.0 2011-10

TECHNICAL REPORT



**Information technology – Implementation and operation of customer premises cabling –
Part 2-1: Planning and installation – Identifiers within administration systems**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE

M

ICS 35.200

ISBN 978-2-88912-770-2

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references.....	5
3 Terms, definitions, abbreviations and conventions.....	5
3.1 Terms and definitions	5
3.2 Abbreviations.....	5
3.3 Conventions and special symbols	5
4 Requirements	6
4.1 Premises identifiers	6
4.1.1 Site or campus.....	6
4.1.2 Building	7
4.2 Space identifiers.....	8
4.2.1 Indoor telecommunications space	8
4.2.2 Outdoor telecommunications space.....	9
4.2.3 Cabinet, frame, and wall space	10
4.3 Closure identifiers.....	15
4.3.1 Vertically aligned closures.....	15
4.3.2 Non-vertically aligned closures	17
4.4 Closure port and closure termination point identifiers	19
4.5 Cabling identifiers.....	20
4.5.1 General	20
4.5.2 Backbone and inter-cabinet cabling.....	20
4.5.3 Horizontal cabling	22
4.6 Patch cord and jumper identifiers.....	23
4.7 Pathway system identifiers.....	24
4.7.1 Outdoor pathway systems	24
4.7.2 Campus or building entrance pathway systems.....	24
4.7.3 Pathway systems within a building.....	25
4.7.4 Fire stop in building pathway system	25
4.7.5 Data centre pathway system	25
4.8 Cabinet and frame bonding conductor identifiers	25
5 Recommendations	26
5.1 Consistency in identifier formats	26
5.2 Other identification methods	26
Bibliography.....	29
Figure 1 – Example of room grid co-ordinate	11
Figure 2 – Frame / cabinet identifiers using grid example.....	12
Figure 3 – Example of non-grid co-ordinate	14
Figure 4 – Example of floor distributor cabinet and wall segment identifier	15
Figure 5 – Example of vertically aligned closure identification	17
Figure 6 – Example of non-vertically aligned closure identification	18
Table 1 – Summary of identifier formats	27

INFORMATION TECHNOLOGY – IMPLEMENTATION AND OPERATION OF CUSTOMER PREMISES CABLING –

Part 2-1: Planning and installation – Identifiers within administration systems

FOREWORD

- 1) ISO (International Organization for Standardization) and IEC (International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards. Their preparation is entrusted to technical committees; any ISO and IEC member body interested in the subject dealt with may participate in this preparatory work. International governmental and non-governmental organizations liaising with ISO and IEC also participate in this preparation.
- 2) In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.
- 3) The formal decisions or agreements of IEC and ISO on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC and ISO member bodies.
- 4) IEC, ISO and ISO/IEC publications have the form of recommendations for international use and are accepted by IEC and ISO member bodies in that sense. While all reasonable efforts are made to ensure that the technical content of IEC, ISO and ISO/IEC publications is accurate, IEC or ISO cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 5) In order to promote international uniformity, IEC and ISO member bodies undertake to apply IEC, ISO and ISO/IEC publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any ISO/IEC publication and the corresponding national or regional publication should be clearly indicated in the latter.
- 6) ISO and IEC provide no marking procedure to indicate their approval and cannot be rendered responsible for any equipment declared to be in conformity with an ISO/IEC publication.
- 7) All users should ensure that they have the latest edition of this publication.
- 8) No liability shall attach to IEC or ISO or its directors, employees, servants or agents including individual experts and members of their technical committees and IEC or ISO member bodies for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication of, use of, or reliance upon, this ISO/IEC publication or any other IEC, ISO or ISO/IEC publications.
- 9) Attention is drawn to the normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 10) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

The main task of IEC technical committees is to prepare International Standards. However, a technical committee may propose the publication of a technical report when it has collected data of a different kind from that which is normally published as an International Standard, for example "state of the art".

IEC 14763-2-1, which is a technical report, has been prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

The list of all currently available parts of the ISO/IEC 14763 series, under the general title *Information technology – Implementation and operation of customer premises cabling*, can be found on the IEC web site.

This Technical Report has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

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

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 publication using a colour printer.

INFORMATION TECHNOLOGY – IMPLEMENTATION AND OPERATION OF CUSTOMER PREMISES CABLING –

Part 2-1: Planning and installation – Identifiers within administration systems

1 Scope

This part of ISO/IEC 14763 contains requirements and recommendations for identification of cabling infrastructure elements to support ISO/IEC 14763-2 and equivalent standards. The symbols and object codes specified in this Technical Report are primarily based on IEC 81346-1 and IEC 81346-2.

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.

ISO/IEC 14763-2, *Information technology – Implementation and operation of customer premises cabling – Part 2: Planning and installation*

ISO 4157 (all parts), *Construction drawings – Designation systems*

ISO 4157-1, *Construction drawings – Designation systems – Part 1: Buildings and parts of buildings*