TECHNICAL REPORT

TYPE 2

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First edition
2005-08

Information technology – Generic cabling for customer premises – Mid-span DTE power insertion

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FOREWORD

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- type 3, when the technical committee has collected data of a different kind from that which is normally published as an International Standard, for example ‘state of the art’.

Technical reports of types 1 and 2 are subject to review within three years of publication to decide whether they can be transformed into International Standards. Technical reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

ISO/IEC TR 24746, which is a technical report of type 2, was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

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

This document is issued in the type 2 technical report series of publications (according to 16.2.2 of the Procedures for the technical work of ISO/IEC JTC 1 (5th edition, 2004)) as a prospective standard for provisional application in the field of generic cabling for customer premises, because there is an urgent requirement for guidance on how standards in this field should be used.

This document is not to be regarded as an International Standard. It is proposed for provisional application so that information and experience of its use in practice may be gathered. Comments on the content of this document should be sent to IEC Central Office.

A review of this type 2 technical report will be carried out not later than three years after its publication with the option of extension for a further three years, conversion into an International Standard or withdrawal.

INTRODUCTION

Within ISO/IEC 11801 current carrying capacity is specified without clear specifications of the ability of insertion of such current. This document specifies the location and allocation for performance in conjunction with balanced cabling as specified in ISO/IEC 11801.

INFORMATION TECHNOLOGY – GENERIC CABLING FOR CUSTOMER PREMISES – MID-SPAN DTE POWER INSERTION

1 Scope

International Technical Report ISO/IEC TR 24746 specifies Mid-Span DTE Power insertion into generic cabling as specified in ISO/IEC 11801, the location and allocation requirements in case of the replacement of a generic cabling component or components.

2 Normative reference

The following referenced document is 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 11801:2002, *Information technology- Generic cabling for customer premises*

3 Abbreviations

DTE Data terminating equipment

4 General

This Technical Report specifies the location and allocations of Mid-Span DTE Power insertion used to insert power into generic cabling as described in ISO/IEC 11801.

4.1 Location of Mid-Span DTE Power insertion devices

The location of Mid-Span DTE Power insertion devices shall be outside the Permanent Link as defined in ISO/IEC 11801.

4.2 Mid-Span DTE Power device allocation

Mid-span DTE Power shall be inserted in such a way that the generic cabling channel performance as specified in ISO/IEC 11801 is maintained.

This is assured if the following requirement is met.

When mid-span power insertion equipment replaces a generic cabling component or components, it shall meet the performance requirements of the component or components it replaces (e.g., patch cord, patch panel or any combination thereof), regardless of the interfaces used for input and output connections.