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TECHNICAL REPORT

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Information technology – Generic cabling for customer premises –
Part 9908: Guidance for the support of higher speed applications over optical
fibre channels

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COMMISSION

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ISO/IEC TR 11801-9908, which is a Technical Report, was 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 11801 series, under the general title *Information technology – Generic cabling for customer premises*, can be found on the IEC and ISO websites.

The text of this Technical Report is based on the following documents:

DTR	Report on voting
JTC1-SC25/2927/DTR	JTC1-SC25/2940/RVDTR

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

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

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INTRODUCTION

The need to support cost-efficient high-speed applications over optical fibre has resulted in the availability of a wide variety of applications and implementation options. The available options to support high-speed applications over optical fibre have multiplied in recent years, and the trend towards higher speeds can be expected to continue. Innovative techniques to maximize the useful life of installed infrastructure include the use of multi-level encoding schemes, wavelength division multiplexing, parallel fibre transmission, and new cabled optical fibre categories. In order to make informed decisions regarding the optimal infrastructure choices to support deployment of high-speed applications today, and enable the optimal migration path to higher speeds in the future, cabling system specifiers, designers and users need to have a good understanding of the duplex and parallel application options, and their connectivity choices.

This document describes the options for high-speed applications utilizing duplex and parallel optical fibre channels and identifies relevant migration considerations when upgrading or planning to upgrade to higher speed applications.

**INFORMATION TECHNOLOGY –
GENERIC CABLING FOR CUSTOMER PREMISES –**

**Part 9908: Guidance for the support of higher
speed applications over optical fibre channels**

1 Scope

This part of ISO/IEC 11801, which is a Technical Report,

- provides a listing of the data centre application options currently available or in process of standardization utilizing duplex and parallel optical fibre channels;

- identifies migration considerations when upgrading to higher speed applications.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 11801-1, *Information technology – Generic cabling for customer premises – Part 1: General requirements*

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