

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Dynamic modules –
Part 1: Performance standards – General conditions**

**Modules dynamiques –
Partie 1: Normes de performance – Conditions générales**





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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DYNAMIC MODULES –

Part 1: Performance standards – General conditions

FOREWORD

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International Standard IEC 62343-1 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This bilingual version (2017-08) corresponds to the monolingual English version, published in 2016-02.

The text of this standard is based on the following documents:

CDV	Report on voting
86C/1312/CDV	86C/1352/RVC

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

The French version of this standard has not been voted upon.

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

A list of all parts in the IEC 62343 series, published under the general title *Dynamic modules*, can be found on the IEC website.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

Performance standards define standard electrical and optical performance under a set of prescribed conditions and contain a series or a set of tests and measurements with clearly defined conditions, severities and pass/fail criteria. The tests are intended to be run on initial design verification to prove the product's ability to satisfy the requirements of a specific application, market sector or user group.

Performance standards do not specify the requirements on reliability, which is defined in IEC 62343-2.

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DYNAMIC MODULES –

Part 1: Performance standards – General conditions

1 Scope

This part of IEC 62343 provides a performance standard of general conditions for dynamic modules. All dynamic modules should satisfy required performance defined in individual performance standards on the general conditions defined in this document. Additional conditions may be included in individual performance standards.

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.

ITU-T G. 694.1, *Spectral grids for WDM applications: DWDM frequency grid*

3 Requirements of operating conditions

Dynamic modules are generally installed in optical transmission equipment located in central offices that have a temperature and humidity controlled environment. It is required that all dynamic modules satisfy their required performance at the general conditions specified in this standard.

Table 1 specifies the minimum requirements of operating conditions for dynamic modules and devices for commercial use. All performance parameters shall satisfy the specifications defined in relevant performance standards on the operating condition in Table 1, unless otherwise stated.