



BSI Standards Publication

Dynamic modules

Part 2-1: Reliability qualification — Test template

National foreword

This British Standard is the UK implementation of EN IEC 62343-2-1:2019+A1:2024. It is identical to IEC 62343-2-1:2019, incorporating amendment 1:2023. It supersedes BS EN IEC 62343-2-1:2019, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee GEL/86/3, Fibre optic systems and active devices.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
29 February 2024	Implementation of IEC amendment 1:2023 with CENELEC endorsement A1:2024

English Version

Dynamic modules - Part 2-1: Reliability qualification - Test
template
(IEC 62343-2-1:2019)

Modules dynamiques - Partie 2-1: Qualification de fiabilité -
Modèle d'essai
(IEC 62343-2-1:2019)

Dynamische Module - Teil 2-1: Zuverlässigkeitsnachweis -
Prüfvorlage
(IEC 62343-2-1:2019)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 86C/1567/CDV, future edition 1 of IEC 62343-2-1, prepared by SC 86C "Fibre optic systems and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62343-2-1:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-07-21
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-10-21

This document supersedes EN 62343-2:2014 and all of its amendments and corrigenda (if any). This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to EN 62343-2:2014:

- addition of an Introduction to the background of this document;
- replacement of "Reliability qualification consideration" by "reliability qualification test consideration";
- deletion of the consideration of "Design 1" and "Design 2" and change of the contents of "Approach" in "Reliability qualification test considerations";
- deletion of the details in "Reliability qualification requirements" and replacement by "Reliability qualification test items";
- deletion of "Reliability calculations" from the sum of failure rates of constituting parts;
- integration of "Pass/fail criteria" and "Guidance of FMEA" into Annex B (informative);
- simplification of test items and conditions in Annex A and change of title of Annex A to "Examples of reliability qualification test conditions".

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 62343-2-1:2019 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-2-14	NOTE	Harmonized as EN 60068-2-14
IEC 61300 (series)	NOTE	Harmonized as EN 61300 (series)
IEC 61300-2-4	NOTE	Harmonized as EN IEC 61300-2-4
IEC 62005-9-1	NOTE	Harmonized as EN 62005-9-1
IEC 62572-3	NOTE	Harmonized as EN 62572-3

European foreword to Amendment 1

The text of document 86C/1868/CDV, future IEC 62343-2-1/AMD1, prepared by SC 86C "Fibre optic systems and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62343-2-1:2019/A1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-10-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-01-18

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

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Annex ZA
(normative)

Normative references to international publications
with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62343	-	Dynamic modules – General and guidance	EN 62343	-