

BUREAU OF INDIAN STANDARDS
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**मसौदा भारतीय मानक
निर्भरणीयता प्रबंधन - भाग 1 निर्भरता का प्रबंधन
(पहला पुनरीक्षण)**

Draft Indian Standard
Dependability Management – Part 1: Managing Dependability
(First revision)

**ICS 03.100.40;03.120.01;
21.020**

**LITD 02 Dependability of Electronic,
Electrical Components, Equipment and
Systems Sectional Committee**

Last Date for Comments: 21 June 2025

NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard (Part 1) which is identical to 'IEC 60300-1: 2024 Dependability Management – Part 1: Managing Dependability' issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards (BIS) on the recommendations of Dependability of Electronic, Electrical Components, Equipment and Systems

Sectional Committee and approval of the Electronics and Information Technology Division Council.

This Standard was originally published in 2019 and was identical with IEC 60300-1:2014. The first revision of this standard has been undertaken to align it with the latest version of IEC 60300-1:2024.

This edition includes the following significant technical changes with respect to the previous edition:

- a) more guidance on integration of dependability activities into an existing management system;
- b) greater detail on the activities required to establish and implement a programme of dependability activities;
- c) changes to provide consistency with other dependability standards.

The text of ISO/IEC Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’, and
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted draft standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International Standards	Corresponding Indian Standard	Degree of Equivalence
IEC 60050-192: 2015, International Electrotechnical Vocabulary (IEV) – Part 192: Dependability	IS 1885 (Part 192): 2021 Electrotechnical Vocabulary Part 192 Dependability	Identical

Scope of IEC 60300-1:2024 is as follows:

“This document provides guidance on:

- the meaning and significance of dependability from a business, technical and financial perspective;
- achieving dependability through suitable adaptation of organizational management systems such as those described in ISO 9001 (quality management) and ISO 55001 (asset management);
- the activities that are integrated into management systems and life cycle processes in order to achieve dependable systems, products and services;
- planning and implementing dependability activities throughout the life cycle to achieve and assure required outcomes, taking into account factors such as costs, safety, the environment, customer goodwill, brand and reputation.

This document is applicable to any type of system, both new and existing, to mass produced industrial or consumer products, to components and to services. This document addresses all elements of systems, products and services including hardware, software, data, processes, procedures, facilities, materials, and personnel required for operations and support.”

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding ISO/IEC Standard. For details please refer to IEC 60300-1:2024 or kindly contact.

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