

BUREAU OF INDIAN STANDARDS

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मसौदा भारतीय मानक
आर्टिफिशियल इंटेलिजेंस - कार्यात्मक सुरक्षा और
एआई प्रणाली

Draft Indian Standard
Artificial Intelligence -Functional Safety
and AI Systems

ICS: 35.020

Artificial Intelligence Sectional Committee, LITD 30	Last Date for Comments:16 April 2024
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NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard which is identical to ‘ISO/IEC TR 5469:2024 Artificial intelligence — Functional safety and AI systems’ issued by the International Organization Standardization (ISO) and International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards (BIS) on the recommendations of the Artificial Intelligence Sectional Committee and approval of the Electronics and Information Technology Division Council.

The text of ISO/IEC Standard will 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
ISO/IEC 22989:2022, Information technology — Artificial intelligence — Artificial intelligence concepts and terminology	IS/ISO/IEC 22989 : 2022 ISO/IEC 22989:2022 Information technology — Artificial intelligence — Artificial intelligence concepts and terminology	Identical with ISO/IEC 22989:2022

Scope of ISO/IEC TR 5469:2024 is as follows:

“This document describes the properties, related risk factors, available methods and processes relating to:

- use of AI inside a safety related function to realize the functionality;
- use of non-AI safety related functions to ensure safety for an AI controlled equipment;
- use of AI systems to design and develop safety related functions.”

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 ISO/IEC TR 5469:2024 or kindly contact.

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