

**BUREAU OF INDIAN STANDARDS**  
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मसौदा भारतीय मानक  
सूचना प्रौद्योगिकी — कृत्रिम बुद्धिमत्ता (एआई) —  
एआई प्रणालियों और एआई-सहायता प्राप्त निर्णय लेने में पूर्वाग्रह

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**Draft Indian Standard**  
**Information technology —**  
**Artificial intelligence (AI) —**  
**Bias in AI systems and AI aided decision making**

**ICS 35.020**

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Artificial Intelligence Sectional Committee,  
LITD 30

Last Date for Comments: 30 Nov 2025

**NATIONAL FOREWORD**

(Formal clauses will be added later)

This draft Indian Standard which is identical to “ISO/IEC TR 24027:2021 Information technology — Artificial intelligence (AI) — Bias in AI systems and AI aided decision making” 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 Artificial Intelligence Sectional Committee and approval of the Electronics and Information Technology Division Council.

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 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:

<b>International Standards</b>	<b>Corresponding Indian Standard</b>	<b>Degree of Equivalence</b>
ISO/IEC 22989, Information technology — Artificial intelligence — Artificial intelligence concepts and terminology	IS/ISO/IEC 22989 Information technology — Artificial intelligence — Artificial intelligence concepts and terminology	Identical with ISO/IEC 22989:2022
ISO/IEC 23053, Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)	IS/ISO/IEC 23053 Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)	Identical with ISO/IEC 23053:2022

**Scope of ISO/IEC TR 24027: 2021 is as follows:**

“This document addresses bias in relation to AI systems, especially with regards to AI-aided decision-making. Measurement techniques and methods for assessing bias are described, with the aim to address and treat bias-related vulnerabilities. All AI system lifecycle phases are in scope, including but not limited to data collection, training, continual learning, design, testing, evaluation and use.”

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 24027: 2021 or kindly contact

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