BUREAU OF INDIAN STANDARDS

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मसौदा भारतीय मानक

आर्टिफिशियल इंटेलिजेंस — एनालिटिक्स और मशीन लर्निंग **(ML)** के लिए डेटा गुणवत्ता

भाग **5**: डेटा गुणवत्ता गवर्नेंस ढांचा

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Draft Indian Standard
Artificial intelligence —
Data quality for analytics and machine learning (ML) —
Part 5: Data quality governance framework

ICS 35.020

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 (Part 5) which is identical to 'ISO/IEC 5259-5: 2025 Artificial intelligence — Data quality for analytics and machine learning (ML) Part 5: Data quality governance framework' 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.

This Indian Standard is published in five parts. The other parts in this series are:

Part 1 Overview, terminology and examples
Part 2 Data quality measures
Part 3 Data quality management requirements and guidelines
Part 4 Data quality process framework

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 in International Standards 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:

International Standards	Corresponding Indian Standard	Degree of Equivalence
ISO/IEC 5259-1, Artificial intelligence — Data quality for analytics and machine learning (ML) — Part 1: Overview, terminology and examples	IS/ISO/IEC 5259-1, Artificial intelligence — Data quality for analytics and machine learning (ML) — Part 1: Overview, terminology and examples Under Development [Doc No LITD/30/28006]	Identical with ISO/IEC 5259-1:2024

ISO/IEC 22989:2022, Information technology — Artificial intelligence — Artificial intelligence concepts and terminology	IS/ISO/IEC 22989 : 2022 Information Technology - Artificial Intelligence - Artificial Intelligence Concepts and Terminology	Identical with ISO/IEC 22989: 2022
ISO/IEC 38507:2022, Information technology — Governance of IT — Governance implications of the use of artificial intelligence by organizations	IS/ISO/IEC 38507:2022 Information technology — Governance of IT — Governance implications of the use of artificial intelligence by organizations	Identical with ISO/IEC 38507:2022

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment:

International Standards	Title
ISO/IEC 38505-1	Information technology — Governance of IT — Governance of data — Part 1: Application of ISO/IEC 38500 to the governance of data

<u>Scope of ISO/IEC 5259-5: 2025 is as follows:</u>

"This document provides a data quality governance framework for analytics and machine learning (ML) to enable governing bodies of organizations to direct and oversee the implementation and operation of data quality measures, management, and related processes with adequate controls throughout the data life cycle (DLC) model according to ISO/IEC 5259-1.

This document can be applied to any analytics and ML. This document does not define specific management requirements or process requirements according to ISO/IEC 5259-3 and ISO/IEC 5259-4 respectively."

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 5259-5: 2025 or kindly contact

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