BUREAU OF INDIAN STANDARDS
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मसौदा भारतीय मानक
सूचना प्रौद्योगिकी -मेटाडेटा पंजीकरण (एम डी आर)
भाग 1 ढांचा
(पहला पुनरीक्षण)

Draft Indian Standard
Information Technology — Metadata Registries (MDR)
Part 1: Framework
(First Revision)

ICS 35.040.50

Data Management System Sectional Committee, LITD 15	**Last Date for Comments: 11 April 2025**

NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard (Part 1) (First Revision) which is identical to 'ISO/IEC 11179-1: 2023 Information technology — Metadata registries (MDR) Part 1: 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 the on the recommendations of the Data Management System Sectional Committee and approval of the Electronics and Information Technology Division Council.

This Standard was originally published in 2019 and was identical with ISO/IEC 11179-1: 2015. The first revision of this standard has been undertaken to align it with the latest version of IEC ISO/IEC 11179-1: 2023.

The main changes are as follows:
— some of the detailed descriptions from the Introduction and Clause 5 have been removed to avoid duplication with other parts;
— Clause 7 has been updated to:
    — revise the description for ISO/IEC 11179-3 to reflect its focus on the core metamodel of a metadata registry, and the creation of separate parts to handle other aspects;
    — add a description for ISO/IEC 11179-30;
    — add a description for ISO/IEC 11179-31;
    — add a description for ISO/IEC 11179-32;
    — add a description for ISO/IEC 11179-33;
    — add a description for ISO/IEC 11179-34;
    — add a description for ISO/IEC 11179-35;
— Clause 8 has been added to describe the relationship of other ISO/IEC JTC 1/SC 32 standards on metadata to the ISO/IEC 11179 series;
— references to other standards have been updated, especially ISO 1087, to the latest edition.

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

Part 2 Classifications
Part 3 Registry metamodel and basic attributes
Part 4 Formulation of data definitions
Part 5 Naming and identification principles
Part 6 Registration

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.

The technical committee has reviewed the provisions of the following International Standard referred in this adopted draft standard and has decided that it is 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 (including any amendments) applies:-

International Standard	Title
ISO 704 : 2009	Terminology work — Principles and methods
ISO 1087	Terminology work and terminology science — Vocabulary

<u>Scope of ISO/IEC 11179-1: 2023 is as follows:</u>

"This document provides the means for understanding and associating the individual parts of ISO/IEC 11179 and is the foundation for a conceptual understanding of metadata and metadata registries. This document also describes the relationship of ISO/IEC 11179 to other JTC 1/SC 32 standards, technical specifications and technical reports on metadata.

In all parts of ISO/IEC 11179, metadata refers to descriptions of data. It does not contain a general treatment of metadata."

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 11179-1: 2023 or kindly contact

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