BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Addressing — Part 1: Conceptual model

मसौदा भारतीय मानक

संबोधन - भाग 1: वैचारिक मॉडल

ICS: **35.240.70**

NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard which is identical with ISO 19160-1:2015 'Addressing — Part 1: Conceptual model' issued by ISO *may be* adopted by the Bureau of Indian Standards on the recommendation of the Geospatial Information Sectional Committee LITD 22 and the approval of the Electronics and IT Division Council.

This standard consists of various parts. The other parts are:
Part 2 Under preparation.
Part 3 Address data quality.
Part 4 International postal address components and template language.

The text of ISO Standard *may be* approved as suitable for publication as an Indian Standard without deviations. Certain conventions 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'.
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 places, are listed below along with their degree of equivalence for editions indicated:

International Standards	Corresponding Indian Standard	Degree of Equivalence
ISO 19103 : 2015 Geographic information — Conceptual schema language	IS 17007 : 2018 Geographic information - Conceptual schema language	Identical
ISO 19115-1:2014 Geographic information — Metadata — Part 1: Fundamentals	IS 16439 Metadata standard for geospatial information	Technically Equivalent
ISO 19152:2012, Geographic information — Land Administration Domain Model (LADM)	Geographic information — Land Administration Domain Model (LADM)	Under Development

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

International Standards	Title
ISO 8601	Data elements and interchange formats — Information interchange — Representation of dates and times
ISO 19107	Spatial schema (geometry and topology objects)

ISO 19123:2005	Geographic information — Schema for coverage geometry and functions
ISO 19135-1: 2015	Geographic information — Procedures for item registration — Part 1: Fundamentals

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 'Rules for rounding off numerical values (Second Revision)'.The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

Scope of ISO 19160-1:2015 is as follows:

This part of ISO 19160 defines a conceptual model for address information (address model), together with the terms and definitions that describe the concepts in the model. Lifecycle, metadata, and address aliases are included in the conceptual model. The model is presented in the Unified Modeling Language (UML).

The model provides a common representation of address information, independent of actual addressing implementations. It is not intended to replace conceptual models proposed in other specifications, but provides a means to cross-map between different conceptual models for address information and enables the conversion of address information between specifications. The model provides a basis for developing address specifications by individual countries or communities.

Head
Electronics & IT Department
Bureau of Indian Standards
9, B.S. Zafar Marg,
New Delhi-110002
Email: litd@bis.gov.in, ashishtiwari2205@bis.gov.in
Tele: 011-23608501