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IS/ISO 19101-2:2018

October 2023

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Geographic information — Reference model — Part 2: Imagery

मसौदा भारतीय मानक

भौगोलिक जानकारी - संदर्भ मॉडल - भाग 2: इमेजरी

ICS: 35.240.70

LITD 22 Geospatial Information
Sectional Committee

Last date for comments: 10 Dec 2023

NATIONAL FOREWORD

(Formal clauses will be added later)

This draft Indian Standard which is identical with ISO 19101-2:2018 ‘Geographic information — Reference model — Part 2: Imagery’ 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 two parts. The other part is:
Part 1 Fundamentals.

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 19115-1 : 2014 Geographic information-Metadata – Part 1: Fundamentals	IS 16439 Metadata standard for geospatial information	Technically Equivalent

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 19115-2 : 2009	Geographic information- Metadata – Part 2: Extensions for imagery and gridded data.
ISO 19119:2016	Geographic information- Services
ISO 19123	Schema for coverage geometry and functions.
ISO 19130-1:—1	Geographic information — Imagery sensor models for geopositioning

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 19101-2:2018 is as follows:

This document defines a reference model for standardization in the field of geographic imagery processing. This reference model identifies the scope of the standardization activity being undertaken and the context in which it takes place. The reference model includes gridded data with an emphasis on imagery. Although structured in the context of information technology and information technology standards, this document is independent of any application development method or technology implementation approach.

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