

**BUREAU OF INDIAN STANDARDS**  
**DRAFT FOR COMMENTS ONLY**

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***Draft Indian Standard***

Geographic information — Conformance and testing

मसौदा भारतीय मानक

भौगोलिक जानकारी - अनुरूपता और परीक्षण

**ICS: 35.240.70**

## **NATIONAL FOREWORD**

(Formal clauses will be added later)

This draft Indian Standard which is identical with ISO 19105:2022 ‘Geographic information — Conformance and testings’ 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.

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.

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 19105:2022 is as follows:**

This document specifies the framework, concepts and methodology for conformance testing and criteria to be achieved to claim conformance to the family of applicable standardization documents regarding geographic information and relevant application domains. This document provides a framework for specifying abstract test suites composed of abstract test cases grouped in conformance classes and for defining the procedures to be followed during conformance testing.

Conformance can be claimed for data or software products or services or by specifications including any profile or functional standard. The structure of, and relationships between, conformance classes as defined in this document underlie a systematic approach to configuration management involving managing dependencies within and between modules.

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