

# FIG Standards Network

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## Standards Network responsibilities and activities

Promote Standards

Liaison with standards bodies and NGOs  
Ensuring lead contacts to Technical Committees  
Proposing priorities on FIG's standardisation activities  
Advising and providing information on standards to FIG members

Blow



## What is a standard?

Generally, a standard is created to **fulfil a need**. For example:

- assure safety of products,
- ensure that products and materials are fit for their purpose,
- promote and ensure the interoperability of products and services,
- facilitate trade by removing trade barriers,
- promote a common understanding of a product or service.

A standard will succeed when it satisfies the needs, requirements and expectations of its **stakeholders**.





## Main FIG standards

- In principle, the Standards Network has members from all of the FIG Commissions  
→ some commissions are more active than others.  
Key items presently linked to the Standards Network are:
  - ISO/TC 172 SC6 Survey Instrument Standards,
  - ISO/TC 211 Geographic Information/Geomatics ,
  - ISO TC 307 Blockchain and distributed ledger technologies.
- Non-ISO type Standards initiated by and/or which FIG is deeply involved:
  - International Property Measurement Standards Coalition,
  - International Land Measurement Standards Coalition,
  - International Construction Measurement Standards.
- OGC, IHO ...

# ISO/TC 211 Geographic information/Geomatics

## SUSTAINABLE DEVELOPMENT GOALS

This committee contributes with 132 standards to the following Sustainable Development Goals:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

100

Published ISO standards \*

32

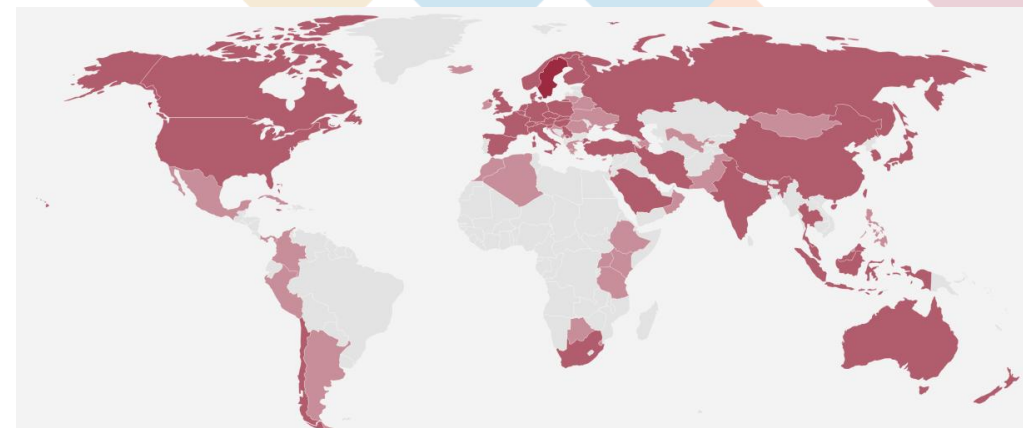
ISO standards under  
development \*

38

Participating members

37

Observing members



## Scope

Standardization in the field of digital geographic information, which aims to establish a structured set of standards for information concerning objects or phenomena that are directly or indirectly associated with a location relative to the Earth, including methods, tools, and services for data management.

Secretariat - Swedish Standards Institute  
Participating members  
Observing members

# ISO/TC 172/SC 6 Geodetic and surveying instruments

SUSTAINABLE  
DEVELOPMENT GOALS

This committee contributes with 19 standards to the following Sustainable Development Goals:

4 9 11

**14**

Published ISO standards \*

**5**

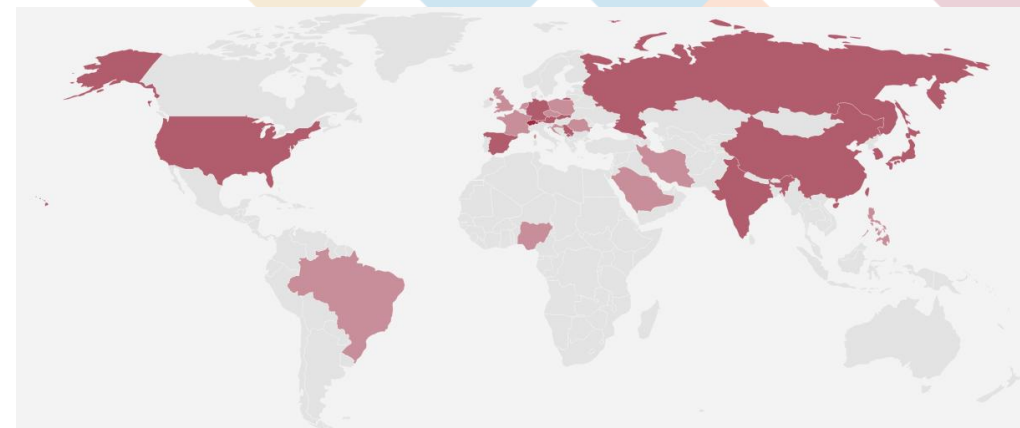
ISO standards under  
development \*

**12**

Participating members

**12**

Observing members



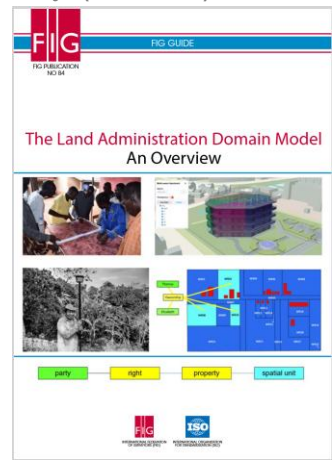
## Scope

Standardization of terminology, requirements and test methods for geodetic and surveying instruments, their components and accessories.

Secretariat - Swiss Association for Standardization  
Participating members  
Observing members

# Standards Network meeting Tuesday 14:00

- Presentation and discussion of the status of activities in the Standards Network covering:
  - ISO/TC 211 Geographic Information/Geomatics,
    - ISO/TC 211/Advisory Group 12, Control body for the ISO geodetic registry (ISOGR)
    - ISO/TC211 19152 LADM Edition II,
      - FIG publication No. 84
      - The Land Administration Domain Model An Overview*
  - ISO/TC 172 SC6 Survey Instrument Standards,
  - International Property Measurement Standards IPMS,
  - International Construction Measurement Standards,
  - Hydrographic surveying standards,
  - Follow-up on standards for Survey by Drones
  - ...





[illegible]