ISO standardization activities related to geodetic references

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Background

• A proposal to investigate standardization needs related to geodetic references has been submitted by France to the International Standardization Organization (ISO) early in 2012.

• This proposal was specifically sent to the ISO Technical Committee 211 on Geographical information/Geomatics

• This proposal was approved in June by ISO TC 211 under the title of Project 19161
ISO TC 211: Project 19161

• Objectives
• Membership
• Some proposed standardization topics
Objectives

• To investigate standardization requirements related to geodetic references, as viewed by various user communities (geographical information, air, space, marine and land navigation, satellite navigation applications...)

• To search for existing documents relevant to the topic, either ISO or non-ISO documents

• To discuss possible specific proposals of standards in the area
Membership

• Representatives of countries (as oct 2012):
  – Canada
  – China
  – Denmark
  – France
  – Germany
  – Japan
  – Netherlands
  – Sweden
  – USA

• Representatives of liaison organizations (as oct 2012):
  – IEEE Geoscience and Remote Sensing Society (GRSS)
  – International organization of Oil and Gas Producers (OGP)
Some standardization topics

• The International Terrestrial Reference System (ITRS) and its realizations
• Vertical references and world vertical system
• Universal identification of ground geodetic stations, such as GNSS stations
Conclusion

• Interest and implication of ICG in project 19161: which strategy?
• A basic answer is to ask ICG members to consider to take part to the project:
  – Either through their national representative
  – Or through a liaison organization
• Application to ISO TC 211 liaison must be sent to the ISO TC 211 secretary Dr Bjornhild Saeteroy (bjs@standard.no)