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Item 13 of the provisional agenda*

Implementation and adoption of standards for the global geospatial information community

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Note by the Secretariat

The Secretariat has the honour to bring to the attention of the Committee of Experts on Global Geospatial Information Management the report prepared jointly by the Open Geospatial Consortium, technical committee 211 of the International Organization for Standardization (ISO) and the International Hydrographic Organization, which will be available in the language of submission only from the relevant web page of the Committee of Experts (<http://ggim.un.org/meetings/GGIM-committee/11th-Session/>). The Committee is invited to take note of the report and to express its views on the ongoing work of the three standards development organizations.

Summary of the report

At its tenth session, held virtually on 26 and 27 August and 4 September 2020, the Committee of Experts adopted decision 10/111, in which it welcomed the report on the implementation and adoption of standards for the global geospatial information community, and expressed its appreciation for the support of the three organizations in the development of the Implementation Guide of the Integrated Geospatial Information Framework, principally through strategic pathway 6: standards, and the progress made in maintaining, promoting and advancing new standards, including through the proposed review and updating of the standards guide, to strengthen the contribution of the geospatial information community to the Sustainable Development Goals and the response to the global coronavirus disease (COVID-19) pandemic. The Committee also encouraged the standards development organizations to continue to liaise and work with Member States in their implementation of standards and, in that regard, to support the mobilization of resources and consider access to standards on reasonable terms, especially for developing countries, and to

* [E/C.20/2021/1](http://www.un.org/Depts/under20/).



focus on highlighting progress made in the adoption and implementation of standards by Member States.

In the report, the three organizations elaborate on their collective efforts. They provide details of the Open Geospatial Consortium's work on the development of modernized open application programming interface standards and the integration of geospatial information, statistics and other data to address access to, and integration of, location information related to Earth observations, disaster preparedness and response, health, the environment and climate change. They also describe the work of technical committee 211 and its progress in the development of the multi-part standards ISO 19152 Land Administration Domain Model, the ISO 19144 series on land cover and ISO 19160 on addressing, discuss the increased use of the ISO Geodetic Registry and demonstrate the use of standards. Last, they present the advances made by the International Hydrographic Organization on the S-100 Universal Hydrographic Data Model to support the creation and maintenance of interoperable maritime data product specifications that are compliant with the ISO 19100 series of geographic information standards.

The organizations also provide an overview of their work regarding the use of geospatial standards in supporting the measurement and monitoring of the Sustainable Development Goals; discuss the role of standards in response to the global coronavirus disease (COVID-19) pandemic; highlight their continued support of the development and preparation of the implementation guidance, options and actions for the standards pathway for the Implementation Guide of the Integrated Geospatial Information Framework; and present a major revision of the Guide to the Role of Standards in Geospatial Information Management, as a living online resource aligned with the Integrated Geospatial Information Framework.
