

16th CHRIS MEETING
Ottawa, Ontario, Canada, 28-31 May 2004

REPORT ON ISO/TC211 ACTIVITIES AFFECTING CHRIS

<i>Submitted by:</i>	Anthony Pharaoh, IHB
<i>Executive summary:</i>	Report on the work undertaken and progress made by the Technical Committee 211 of the International Organization for Standards (ISO), on standard development for geomatics / geographic information, since CHRIS/15.
<i>Actions to be taken:</i>	CHRIS to note the report.
<i>Related documents:</i>	CHRIS letter No. 2/2004 (call for reports)
<i>Related Projects:</i>	Not applicable

Background

ISO/TC211 has been working 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. TC211 is now dealing with more than 40 standards and technical specifications and 12 of them have already been published as International Standards or Technical Specifications.

Many bodies are actively engaged in the work of ISO/TC 211. These include national standardization bodies, the OpenGIS Consortium (OGC), international professional bodies (such as FIG and ICA), UN agencies, and other international bodies (such as IHO, DGIWG and ICAO).

Related IHO/TC211 activities

Over the past year the IHO has actively participated in the development of ISO standards, which are of importance to the further development of the IHO S57 standard. Listed below is a brief outline of some of these ISO standards.

The IHO has actively participated in the development of the 19126 standard (Data Dictionary Catalogue), and will develop its own data dictionary / feature catalogue registry in accordance with this standard. (IHO hosted and participated in the 19126 Editing Committee meeting that took place between the 5th and 7th of May in Monaco).

ISO standards 19115 (Metadata) and 19115 – Part 2 (Metadata for Imagery and Gridded Data), are being used for the development of an IHO metadata profile.

The imagery and gridded data components for the next edition of the IHO S57 standard, are being built upon the framework provided in ISO 19129 (Imagery, Gridded and Coverage Data Framework).

The final draft of the harmonised IHO/DGIWG spatial profile, which is based on the ISO 19107 (Spatial Schema) standard, has been released for comment.

Some additional TC211 standards that are relevant to the continued development of IHO standards and product specifications include, but are not limited to;

19110 - Methodology for Feature Cataloguing

19113 - Quality Principles

19114 - Quality Evaluation Procedures

19117 – Portrayal

19130 - Sensor and Data Models for Imagery and Gridded Data

19136 - Geography Markup Language

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