

**14<sup>th</sup> CHRIS MEETING  
Shanghai, China, 15-17 August 2002**

**REPORT ON ISO/TC211 AND REQUEST FOR APPROVAL OF DRAFT COOPERATIVE  
AGREEMENT BETWEEN IHO AND ISO/TC211.**

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**Introduction**

ISO is a non-governmental international standards organization comprising a world-wide federation of national standards bodies from approximately 130 countries. Under its Technical Committee 211, ISO is developing a generic suite of standards for geographic information.

IHO (together with many other geographic standards development organizations) is a class A member of the ISO/TC211, and contributes towards the standards development process. The common frame of reference provided by the ISO/TC211 standards presents an opportunity for harmonization between functional standards such as DIGEST and S-57. Both IHO and DGIWG have undertaken to align future editions of their standard with the ISO/TC211 standards. In order to facilitate this alignment process, and the further development of S-57, (presently being undertaken by TSMAD), CHRIS is requested to approve the attached Co-operative agreement between ISO/TC 211 and the International Hydrographic Organisation. If approved, this cooperative agreement will be submitted to the 15th ISO/TC 211 Plenary meeting (Gyeongju, Rep. of Korea, November 2002). See **Annex A**

**Status of ISO Standards**

ISO/TC211 work has progressed over the past year, and many of the standards and technical reports have reached the editorial Committee Draft stage. A number of these standards have been published as **Draft International Standards, International Standards or Technical Reports**. Further information concerning the 19100 standards, is available from the ISO/TC211 web-site: <http://www.isotc211.org/>

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## **Annex A**

### **Draft Co-operative agreement between ISO/TC 211 Geographic Information/Geomatics and the International Hydrographic Organisation (IHO)**

#### **1. PURPOSE**

The purpose of this document is to establish an understanding between ISO/TC 211 and the International Hydrographic Organisation (IHO). This document formalizes the intention of ISO/TC 211 and the IHO to co-operate and to enable the development and alignment of agreed joint standards and profiles based on some or all of the parts of the ISO 19100 series or other related standards. The resulting standards and profiles may be published by ISO as ISO deliverables subject to the ISO Directives and jointly by IHO as IHO publications. IHO will continue to support existing IHO standards and specifications. Existing IHO specifications for geographic information, will however be aligned wherever possible with the ISO 19100 series of standards.

#### **2. BACKGROUND**

The International Hydrographic Organization is an intergovernmental consultative and technical organization that was established in 1921 to support the safety of navigation and the protection of the marine environment. The IHO is committed to the promotion of international standards, necessary for insuring uniformity of products and for facilitating the exchange of information. ISO/TC 211 produces ISO International Standards for Geographic Information/Geomatics through a national body balloting process. This agreement facilitates the development of joint ISO/TC 211 and IHO standards where it is mutually agreed as being beneficial to do so.

#### **3. GENERAL PRINCIPLES**

- IHO seeks to:
  - a) Develop joint standards with ISO/TC211 for certain aspects of geographic information.
  - b) Align IHO working practices with ISO/TC 211 while retaining its user responsiveness.
- ISO/TC 211 seeks to:
  - a) Access relevant international user specifications as input to the ISO standards development process.
  - b) Co-operate with IHO in assisting the alignment of life cycle working practices within the constraints of the ISO Directives.
- IHO and ISO/TC 211 wish to harmonize and agree their respective work programmes.
- IHO and ISO/TC 211 wish to achieve mutual benefit from sharing the expertise of domain experts of the two organisations and they welcome cross-project participation where appropriate.

#### **4. INTELLECTUAL PROPERTY RIGHTS (IPR)**

In accordance with its terms of reference, IHO will retain the right for circulation and reproduction of all working documents and final products developed as part of any joint work with ISO/TC 211. Subject to the rights of third parties, any work developed under this agreement, as well as any joint final ISO deliverables, will remain free from any IPR restrictions that may limit the application of the final deliverable. ISO will have the non-exclusive right to copy and use the text of any IHO document created under this arrangement. The purpose will be to influence the development of ISO deliverables. ISO/TC 211 agrees that the resulting ISO International Standard, or other deliverable, will contain a suitable statement indicating that any jointly developed standard was derived from the relevant IHO

documents and developed jointly with IHO and IHO will include a similar statement identifying any documents developed together with ISO. Published ISO documents under this agreement will be referenced, within any IHO equivalent documents. These references will contain sufficient information for those wishing to obtain the ISO equivalent documents to be able to do so. Publishing arrangements between ISO and ISO member countries are unchanged by this agreement.

## **5. ALIGNMENT OF PROCEDURES**

### **5.1 Overview**

To allow co-ordinated review of all working documents developed under this agreement, appropriate portions of ISO/TC 211 and IHO procedures will be aligned. The various aspects of this alignment process are described in the following sub clauses.

### **5.2 Liaison**

ISO/TC 211 has appointed IHO as a class A liaison organization to ISO/TC 211. This allows IHO members, IHO technical staff, and IHO nominated experts to attend ISO/TC 211 working groups and plenary meetings and to participate in the work in a non-voting capacity. IHO liaison provides overall co-ordination of this activity within IHO.

The ISO class A liaison agreement will be used as a primary mechanism to enable co-operation between IHO and ISO/TC 211. IHO will accept nominated ISO/TC 211 representatives as non-voting liaison members to the IHO committees and working groups so that reciprocal liaison in the other direction can be achieved. Formal notification will be communicated between the ISO/TC 211 secretariat and the IHO liaison to ISO/TC 211 or other select Working Group chairs. However, the representatives will be responsible to ensure that:

- a) at the stage that the IHO liaison to ISO/TC 211 agrees that documents should be passed to ISO/TC 211 for further processing toward a joint IHO/ISO deliverable, documents are forwarded to the ISO/TC 211 Secretariat;
- b) formal comments are forwarded from ISO/TC 211 to the IHO liaison to ISO/TC 211, or designated IHO Working Group Chairs;
- c) reports on the work of IHO will be given at each relevant ISO/TC 211 plenary or working group meeting; reciprocally, and conversely, reports on the work of ISO/TC 211 will be given at each relevant IHO working group meeting;
- d) early notification is given to ISO/TC 211 of proposed new work items for joint work that is likely to be submitted to ISO/TC 211 as appropriate in co-ordination with the IHO liaison to ISO/TC 211;
- e) IHO participation in ISO/TC 211 is co-ordinated with the IHO commenting and voting process that approves IHO proposed recommendations as IHO specifications;
- f) IHO recognises that other class A liaison organizations may establish similar agreements with ISO/TC 211.

### **5.3 Early collaboration**

IHO and ISO/TC 211 desire that any IHO specification that is input into the formal ISO/TC 211 process for the establishment of a joint standard is as close to meeting ISO style and quality requirements as possible. Because user specifications require extra care in styles, IHO agrees to follow the ISO style guide as given in ISO Directive part 3 as far as is applicable.

New IHO work items that are intended for processing as joint IHO/ISO International Standards will be submitted by IHO as soon as possible to ISO/TC 211 as a New Work Item Proposal (NWIP). The NWIP will be submitted along with the available documentation and with the nomination of a IHO Project Leader or one that is acceptable to IHO. The NWIP will be sent out for ballot and comments as set out in the ISO Directives.

## **6. BASE DOCUMENT**

At the time that an IHO specification is submitted to ISO/TC 211 for processing as a joint IHO/ISO Standard, the IHO shall identify the base document(s) supporting and justifying the work.

## **7. AVAILABILITY OF DRAFTS AND OTHER WORKING DOCUMENTS**

All drafts and working documents will be made freely available to IHO and ISO/TC 211 committee and working group members according to each party's normal practices.

## **8. DISTRIBUTION OF FINAL STANDARDS**

Both IHO and ISO individually retain the rights to publish all documents developed under this agreement according to their own practices. After adoption as a Draft International Standard (DIS, FDIS), or an International Standard (IS), the corresponding IHO version of the ISO International Standard will be published as an IHO specification and will be published and circulated according to their normal practices.

## **9. MAINTENANCE OF STANDARDS**

Both organizations acknowledge that a Registration Authority will be required for the successful implementation of certain provisions in ISO Standards resulting from this agreement. It is recognized that both IHO and ISO may develop registries independent of each other, even based on jointly developed standards: however, both IHO and ISO will inform each other of such developments and co-operate where appropriate.

## **10. PARALLEL APPROVAL**

Approval of jointly developed standards will be by parallel voting on the joint work in accordance with the voting procedures in each organization. If a document is voted YES by both parties then it has joint status. If either party votes "NO", then the document is not joint, and only the party that voted YES might adopt the document.

## **11. AMENDMENTS TO THE AGREEMENT**

ISO/TC 211 and IHO agree that changes to this agreement will be proposed by a resolution from one party and agreed by resolution from the other.