

13th CHRIS MEETING
17-19 September 2001, Athens, Greece

REPORT ON THE ACTIVITIES OF ISO/TC211 IN RELATION TO CHRIS
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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 suite of geographic information standards that address the entire field of geographic information.

The standards developed by ISO/TC211 are encompassed in the ISO 19000 series of documents which comprises a family of publications that can be divided into the following groups:

- Framework and Reference Model
- Profiles and Functional Standards
- Data Models and Operators
- Data Administration
- Geographic Information Services

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. These publications are as follows:

International Standards and Technical Reports

- ISO/IS 19105:2000 Geographic information - Conformance and testing
- ISO/TR 19120:2001 Geographic information -- Functional standards
- ISO/TR 19121:2000 Geographic information -- Imagery and gridded data

Draft International Standards

- ISO/DIS 19101 Geographic information - Reference model
- ISO/DIS 19107 Geographic information - Spatial schema
- ISO/DIS 19108 Geographic information - Temporal schema
- ISO/DIS 19110 Geographic information - Feature cataloguing methodology
- ISO/DIS 19111 Geographic information - Spatial referencing by coordinates
- ISO/DIS 19113 Geographic information - Quality principles
- ISO/DIS 19114 Geographic information - Quality evaluation procedures
- ISO/DIS 19125-1 Geographic information - Simple feature access - Part 1: Common architecture
- ISO/DIS 19125-2 Geographic information - Simple feature access - Part 2: SQL option

ISO TC211 / S-57 Harmonization

The 12th CHRIS meeting instructed TSMAD to investigate how future extensions to S-57 can be harmonized with, and take advantage of, the ISO/TC211 base standards. It was agreed that a TSMAD sub-Working Group should be established to undertake this task. At the 7th TSMAD meeting (23-27 April 2001), TOR were proposed and accepted for this sub-Working Group and several tasks were identified. Those tasks that are relevant to the TC211 standards include; the registration of the S-57 object catalogue with ISO, and the inclusion of imagery and gridded data components in S-57.

ISO Registries

ISO TC211 is also commencing work on the establishment of a formal process to handle international registries. In May 2001, ISO TC211 submitted a New Work Item Proposal for the creation of a standard on registries. This will facilitate the harmonization of common/overlapping elements of standards such as the DIGEST Feature Catalogue (FACC) and the S-57 Object Catalogue.
