

**19<sup>th</sup> CHRIS MEETING**  
**Rotterdam, Netherlands, 5-9 November 2007**

**Report on IHO liaison with ISOTC211**

<b>Submitted by:</b>	Chairman, TSMAD
<b>Related Documents:</b>	N/A
<b>Related Projects:</b>	S-100

#### **Attendees**

Tony Pharaoh IHB, Barrie Greenslade UKHO

#### **Meetings Held During Reporting Period**

23<sup>rd</sup> Plenary – Riyadh – November 2006 (no IHO representation)

24<sup>th</sup> Plenary – Rome – May 2007

25<sup>th</sup> Plenary – Xi'an – October 2007

#### **Work Program**

The following 191XX standards were published during the period of this report:

- ISO 19111:2007 Geographic information -- Spatial referencing by coordinates, profiled for the S-100 Coordinate Reference System component
- ISO 19131:2007 Geographic information -- Data product specifications, profiled for the S-100 product specification component.
- ISO 19132:2007 Geographic information -- Location-based services -- Reference model, not used in 1<sup>st</sup> draft of S-100.
- ISO 19134:2007 Geographic information -- Location-based services -- Multimodal routing and navigation, not used in S-100.
- ISO 19136:2007 Geographic information -- Geography Markup Language (GML), to be profiled for S-100 encoding component.
- ISO 19137:2007 Geographic information -- Core profile of the spatial schema, applicable to the S-100 spatial component profile from 19107.
- ISO/TS 19139:2007 Geographic information -- Metadata -- XML schema implementation, to be profiled in the S-100 metadata and encoding profiles.

Main involvement in this period has been participating in work groups developing 19126 (Feature Concept Dictionaries), revision of 19110 (Feature Catalogues) and 19117 (Portrayal).

#### **Problems Encountered**

The new revision of 19110 has serious implications for backward compatibility with existing feature catalogues of not only the IHO but other organizations. TSMAD members lobbied ISO TC211 national representatives, recommending that a negative response was required during the voting process for approval of this standard to be promoted to Final Draft International Standard. The result of the voting and strong comments forwarded by ISO P members has resulted in the standard being reverted to Committee Draft and subject of a new Editing Committee process. IHO will be represented at the EC and it is hopeful the issues raised will be resolved.

This highlights the influence that can be used by liaison organizations.

This period saw the publication of the second highest number of 191XX standards in a year, but also highlights the difficulties over the last 6 years of developing S-100. Three of these new standards form key components of S-100 and a lot of effort between now and January will be required to complete them.