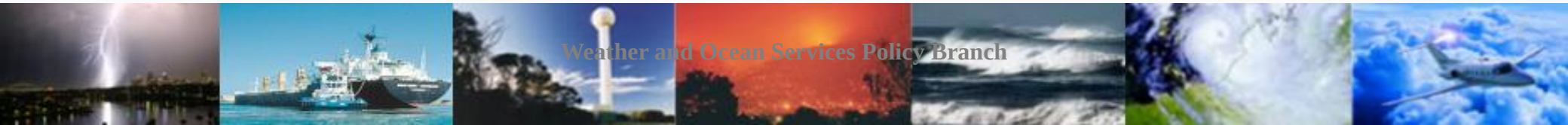
World Meteorological Organization
Working together in weather, climate and water

WMO Liaison Report
WWNWS 2

Agenda Item 3.3.3

Alasdair Hainsworth

Sydney 2010



- IMO/WMO World-Wide Met-ocean Information and Warning Service (WWMIWS) guideline document was prepared, including Terms of Reference of METAREA Coordinators, to complement the existing IMO/IHO World-Wide Navigational Warning Services (WWNWS, IMO Resolution A.706(17)).
- Endorsed by JCOMM-III (Marrakech, November 2009).
- WMO Executive Council will consider the WWMIWS, 62nd session (Geneva, June 2010)
- Then submitted to IMO for adoption and inclusion in the regulatory publications.

- Status of GMDSS in Arctic reviewed during JCOMM Maritime Safety Services Enhancement Workshop (MSSE Workshop, Melbourne, Australia, May 2010).

- MSSE Workshop pleased progress being made by all three Issuing Services, covering the five new Metareas, with July 2010 target for extended testing of GMDSS broadcasts.

- Target of July 2011 for implementation date - both likely to be met.

- A number of common issues across the Arctic Metareas:
  – Protocols for ensuring consistency between GMDSS and national products

– Coordination and consistency across Metarea boundaries,
– Service gap over Hudson Bay.

- Remaining issues will be discussed during 3rd session of ETMSS-III planned 4th to 8th October 2010 in St Petersburg, Russian Federation.

- METAREA focal point for Canada has changed

Mr. John Parker
Manager
Prediction and Training Section - Atlantic
Meteorological Service of Canada
Environment Canada
16th Floor, Queen Square
45 Alderney Drive
Dartmouth NS, B2Y 2N6
Canada
Tel: +1 (902) 426-3836 Fax: +1 (902) 490-0259
Email: john.k.parker@ec.gc.ca
web: www.weatheroffice.ec.gc.c
<http://www.weatheroffice.ec.gc.ca>

- JCOMM promotes implementation of Quality Management Systems (QMS) within the NMS preparing MSI.

- Participants of the MSSE Workshop, provided with QM training

- A process for moving forward in providing support to developing countries will be prepared.

- Guidelines for implementation of QMS by Issuing Services will also be drafted.

- Provision of met-ocean MSI was reviewed and some issues were identified:
  - Monitoring of broadcasts,
  - Provision of tsunami-related MSI and the information to mariners.

- These issues will be considered by the 3rd session of ETMSS.
- IHO should be represented at the session.
- Draft agenda and working documents will be posted on the JCOMM web site (http://www.jcomm.info/index.php?option=com_oe&task=eventCalendar&Itemid=17) closer to the time (handout?)

- System performance metrics constituted an important part of the management of the system (including for QMS), and hence of the reporting process.
- Estimation of usefulness and impacts is a complex and multi-faceted process, through regular questionnaires (see http://www.jcomm.info/SPA_MSS), on-line surveys through the website, and direct feedback from ships masters, owners and agents, using the Port Meteorological Officers and other ship visitors.
- Part of this feedback should include basic information on who is actually using MSI provided through GMDSS; and if the information is not being regularly used, why not, what alternatives are used, and why.

- Such feedback represents essential information for both WMO and IMO in improving the value of their services to users.

- ETMSS is ready to work with IHO/WWNWS in developing a complete survey methodology, to provide the feedback necessary for performance assessment of the system.

Planned actions, projects or priorities for the next JCOMM intersessional period 2010-2012

- JCOMM-III re-implemented the ETMSS (Resolution 5), but significantly modified Terms of Reference
- In particular:
  - all operational activities related to marine pollution (MPERSS) and SAR activities are under ETMSS.
  - ETMSS liaises with other SFSPA teams - ETSI, ET on waves and surges (ETWS) and ET on Operational Ocean Forecasting Systems (ETOOFS), on all aspects of sea ice, sea state, storm surge and ocean circulation relevant to operation and improvement of maritime safety services and maritime accident emergency support.

- A core membership has also been selected (see Appendix I). After JCOMM-III, the core members of the Team have proposed to identify 2 vice-chairpersons, Nick Ashton from UK (activities in liaison with MSI) and Oyvind Breivik from Norway (activities in liaison with MPERSS and SAR).

- The chair continue to be Mr Henri Savina.

- The Commission endorsed the priority activities for the next intersessional period for ETMSS, as described :
  – Improve interaction between the GMDSS Issuing Services and the AMOCs of MPERSS;
  – Keep under review the implementation of the GMDSS and MPERSS in the Arctic and continue to support the Issuing Services and AMOCs, to reach the expected target in 2011 for the GMDSS; Page 4 of 6
  – In association with ETWS and ETSI, develop guidelines and recommendations to update WMO-Nos. 471 and 558, especially for the provision of sea state and sea ice in MSI;

- Priority activities endorsed for next intersessional period for ETMSS (ctd) :
  - Continue to develop the catalogue on Met-Ocean Object Classes and Attributes to define standards for ENC and e-Navigation, in collaboration with ETSI and guidance from IMO and IHO;
  - Continue to enrich GMDSS web site (http://weather.gmdss.org) with forecasts and warnings prepared for NAVTEX dissemination.
  - Facilitate implementation of Quality Management Systems (QMSs) among Members for provision of MMS (Recommendation 7).

- Since 1999, ETMSS has been working implementation of graphical/numerical Maritime Safety Information (MSI) broadcast within the GMDSS.
- WMO Executive Council, at 60th session (2008) re-emphasized continuing importance to mariners in receiving graphical products via radio transmissions and requested JCOMM to continue researching methods for transmitting graphical products to marine users.
- WMO Executive Council, at its 61st session (2009) encouraged WMO Members to investigate low-cost options for on-demand approaches that are compatible with Electronic Navigation Charts (ENC).

- In addition, imminent increase of ENC systems on SOLAS vessels as regulatory material and emergence of e-navigation concept within IMO should reinforce priority given to this requirement and the need to find appropriate resources to develop a suitable service.
- Both the ETMSS and ETSI have been working on this issue and ETSI has already developed the *Sea Ice Objects Catalogue* in accordance with IHO standards.
- ETMSS has initiated development of a catalogue on *Met-Ocean Object Classes and Attributes*, would be an essential tool to enable NMHSs to develop products specifically for ENC Systems, allowing implementation of software to decode and display met-ocean information by manufacturers of these systems, using S-57 and S-100 chart data exchange standards.

- ETMSS will continue to develop the catalogue on Met-Ocean Object Class for ENC and e-Navigation, especially for parameters included in MSI. WMO, through the Secretariat and ETMSS, need also to be proactive in dealings with IHO and IMO on e-navigation development, to ensure compatibility between e-navigation and future met-ocean services by Members.

Thank you!