

IMO/IHO HARMONIZATION GROUP ON
DATA MODELLING
Agenda item 6

HGDM 1/6
15 September 2017
ENGLISH ONLY

ANY OTHER BUSINESS

Proposed work plan and modalities for the HGDM

Submitted by Australia, Canada, Denmark, Norway and Republic of Korea

SUMMARY

Executive summary:	This document contains a IMO/IHO HGDM work program to develop guidance on definition and harmonization of the format and structure of Maritime Service Portfolios (MSPs) in accordance with NCSR 4 item 27
Action to be taken:	Paragraph 11
Related documents:	MSC 90/27, NCSR 4/27, MSC 98/20

Background

1 Document MSC 90/27 recognized that the e-Navigation architecture required a data structure to optimize the use, interoperability, flow and accessibility of relevant information and data within the maritime domain. IMO designated the IMO/IHO HGDM as a coordinating body for it.

2 A proposal to activate the IMO/IHO HGDM along with a work plan was submitted to NCSR 4 and then approved by MSC 98.

Work Plan

3 The following work plan is proposed for the IMO/IHO HGDM:

- .1 HGDM 1st meeting, from 16 to 20 October 2017:
 - .1 agrees on Plan;
 - .2 agrees on Way of Working (WOW);
 - .3 establishes sub-workgroups, as required;

- .4 agrees on a template for MSP's; and
- .5 agrees on a fully described example of MSP (MSP5; MSI).
- .2 NCSR 5, from 19 to 23 February 2018:
 - .1 HGDM reports to NCSR 5; and
 - .2 HGDM seeks:
 - .2.1 NCSR 5 endorsement of:
 - MSP template; and
 - MSP example (MSP5; MSI); and
 - .2.2 NCSR 5 approval to hold 2nd meeting of HGDM.
- .3 HGDM 2nd meeting at IMO Headquarter, March 2018 (proposed):
 - .1 discusses outcome of NCSR 5 and take appropriate action;
 - .2 continues work on MSP's; and
 - .3 re-establishes sub-working groups, as required.
- .4 HGDM 3rd meeting, in autumn of 2018:
 - .1 finalises work on MSPs; and
 - .2 develops report to NCSR 6 – tentatively 2019.
- .5 NCSR 6:
 - .1 endorses MSPs and forwards them to MSC 101 in spring of 2019
 - .2 submits to MSC 101.
- .6 MSC 101, spring 2019:
 - .1 endorses final MSP descriptions.

Modality / Way of Working

4 The 16 MSPs to be developed are vary in nature and belong to different domains. For example:

- MSP1 VTS Information service; IALA domain;
- MSP5 MSI; IHO domain; and

- MSP14 Meteorological information services; WMO domain.

Therefore, it makes little sense to progress the descriptions of the MSPs altogether. Rather it would make sense to setup a number of sub-working groups, each focusing on MSPs belonging to a specific domain. The IMO/IHO HGDM would remain the coordinating body.

5 One possible grouping of the MSPs could be:

Group	MSP	Domain/lead	Participants
1	MSP1 VTS Information Service (IS) MSP2 Navigational Assistance Service (NAS) MSP3 Traffic Organisation Service (TOS) MSP8 Vessel Shore Reporting	IALA	Member States, NGOs, etc.
2	MSP4 Local Port Service (LPS) MSP10 Maritime Assistance Service (MAS)	IHMA/IMO	
3	MSP5 Maritime Safety Information (MSI) MSP11 Nautical Chart Service Technical MSP12 Nautical Publication Service MSP15 Real-time hydrographic and environmental information service	IHO	
4	MSP6 Pilotage Service MSP7 Tug Service	IMPA	
5	MSP9 Telemedical Assistance Service (TMAS) MSP16 Search and Rescue Service	IMO	
6	MSP13 Ice Navigation Service MSP14 Meteorological Information Service	WMO	

6 It is important to stress that the above table does not mean that the MSPs can be developed entirely independently. There will be many dependencies between MSPs. This also means that many MSPs will not exclusively be within the domain of a single international organisation.

7 Groups would be established during the first meeting of the HGDM, and would work intersessionally via correspondence until NCSR 5, and would most likely continue after NCSR 5.

8 Each group should be led by a representative from the appropriate domain and report progress to the chair of the HGDM.

9 The task of the groups will be to describe the MSPs according to the template for MSPs contained in IALA's guideline on Maritime Service Portfolios (IALA guideline #?) and to specify the associated technical services according to the IALA guideline for e-Navigation technical services (IALA guideline #?).

10 The process of specifying the technical services must facilitate the development of the appropriate S-100 product specifications, as stated in the ToR of the HGDM from MSC 90.

Work plan of first HGDM meeting

11 Regarding the Provisional Agenda provided in IMO Circular Letter No. 3738, the following work plan for the first HGDM meeting is proposed:

2017	Work Item
Monday 16th October	Item 1: Adoption of the agenda Item 2: Consideration of the reports of NCSR 4 and MSC 98 and any related matters emanating from other IMO meetings Item 3: Considerations of reports on developments emanating from IHO meetings Item 4: Considerations of testbed reports related to the application of MSPs
Tuesday 17th October	Item 1: Plan and modality of the HGDM
Wednesday 18th October	Item 1: Discussion on the generic template for MSPs. Operational and technical level. <i>It is suggested to focus on the technical level, since the MSPs may be altered through a future revision of the SIP. This is not envisioned to change the technical services, only how they map to the overall operational MSPs.</i> Item 2: Discussion on the concrete MSP`s starting with MSP 5.
Thursday 19th October	Item 1: Setup ad-hoc correspondence groups for continuing the work after the meeting.
Friday 20th October	Item 1: Development of draft revised Terms of Reference for the next meeting of the HGDM. Item 2: Report to NCSR 5 and IHO

12 A Proposed template for MSPs and technical services has been submitted in document HGDM 1/5/1 (Australia *et al.*). An example on how to use these templates has been submitted in document HGDM 1/5/2 (Australia *et al.*).

Action requested of the HGDM

13 The HGDM is invited to note the information contained in this document and endorse the proposed work plan.