

Status of Recommendations from PMO-III

No.	Recommendations from PMO-III, Hamburg 23-24 March 2006	to/action by	Target date	Status of Recommendations wef 15 Nov 2010
1	Recommendations regarding ship security are given in annex VII.	WMO EC	30/6/2006	Extensive discussions took place with concerned WMO Members and the SOT resulting in Resolution 7 (EC-LVIII) and Resolution 27 (EC-LIX) authorizing Members to adopt masking schemes while seeking universally accepted solution by 2012
2	Recommendations regarding migration from SHIP to BUFR code form issue are given in annex VIII.	Ad hoc TT	2012	Ongoing
3	to write to Member Countries to ask them to delete ships that are no longer active from their list of VOS and from their regular submissions to WMO Publication No. 47.	WMO	30/6/2006	Completed
4	to write to the International Chamber of Shipping to encourage recruitment of vessels and to ask it to contact shipping associations and make specific recommendations in this regard.	WMO	30/6/2006	Letter to ICS regarding the inclusion of weather reporting in the masters' standing orders issued in Jan 2007; Letter to IACS regarding ship design issued in Jan 2007; MSC.1/Circular 1293 10/12/08 issued by IMO
5	to approach maritime colleges at the national level and promote SOT & PMO activities.	Member Countries	Ongoing	Ongoing
6	to provide delayed mode VOSclim data in the current format (IMMT-3) which includes the additional VOSclim elements. Minimum Quality Control Standards (MQCS-	Contributing Members	Ongoing	Ongoing

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	V) should be applied.			
7	to take steps to recruit more ships within available resources (as ship recruitment is slow); Member Countries to promote SOT and VOS and to explain data requirements.	Member Countries	ASAP	Ongoing
8	Installation of instruments and observing equipment on VOSclim recruited ships should be made with due attention paid to their exposure and location. Simple arrangement drawings should be made to better document instrument location and exposure.	PMOs	Ongoing	Ongoing, VOSclim now a class of VOS.
9	JCOMM-II approved changes to WMO Publication No. 47. These changes included a range of new fields, improved field description and better documentation. The new version of WMO Pub. 47 (version 3) is planned for introduction on 1/7/2007 (Database structure, semi-column and XML formats). Member Countries to provide their input for WMO Pub. 47 in the new format after this date.	Member Countries	1/7/2007	Completed
10	The list of consolidated ship routes for inclusion in Pub 47 must be proposed for adoption at SOT-IV.	SOT-IV	1/3/2007	Completed
11	USA offered a web based ship metadata collection/editing and display system. A beta version will be available soon. Interested Member Countries were invited to contact Robert Luke.	Member Countries & NOAA/NDBC	ASAP	Site opened for testing November 2009.
12	Information on additional phenomena (e.g. meteors, lightning, cetacea etc) could be inserted on E-SURMAR wikipedia web site. PMOs are invited to check the web site.	PMOs	ASAP	Ongoing
13	Member Countries must be careful with copyright of pictures made available via the web (e.g. ship's pictures,	PMOs	Ongoing	Ongoing

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	observed phenomena). Observers storing pictures in electronic logbooks should be aware that such pictures will then belong to the public domain. Electronic logbooks should include a specification requesting the person entering pictures in the system to agree with picture sharing by clicking on a “yes, agreed” button.			
14	to contact Inmarsat to request that they provide regular updates of the Inmarsat list of Land Earth Stations (LES) that accept special access code 41.	WMO	30/6/2006	List compiled by TT Satellite Communications. Inmarsat contacted at the occasion of invitations for SOT-V; Inmarsat could not attend the Session
15	A copy of proposed foreign VOS ship inspection form presented at the meeting will be distributed by email to all PMOs. PMOs are invited to check the form and provide feedback to the Chairperson of SOT by 1 June 2006.	PMOs	1/6/2006	Completed
16	PMOs, are urged to use the foreign VOS inspection form which will be made available from the VOS website, and return details about such inspections to the VOS Focal Point in the country of recruitment.	PMOs	ASAP	Foreign Inspection form available on web from June 2006. Form in use.
17	NHHSs are urged to provide Robert Luke, Chairperson of the SOT Task Team on Instrument Standards, with details about the type of barometer and barograph used on their VOS as well as the instrument pressure setting.	Member Countries	ASAP	Ongoing
18	PMOs are urged (i) to familiarise themselves with observing instruments and practices used on foreign vessels, and (ii) to use monitoring tools available via the web (listed under JCOMMOPS and VOS web sites).	PMOs	ASAP	Ongoing
19	KNMI has developed software to detect formatting errors	Member	ASAP	KNMI data is monitored

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	in observations, and will contact the NFP of VOS to provide them with a list of such errors. KNMI is also invited to consider producing statistics on such errors and to provide the information to NFP. KNMI can offer this software to other Met Services if requested. Interested Member Countries are invited to contact KNMI.	Countries & KNMI		using the MeteoFrance tools. KNMI validation software is available to others, but no uptake to date.
20	Member Countries are invited to volunteer to publish a SOT newsletter on behalf of the Task Team on VOS Recruitment and Programme Promotion. Newsworthy material for use by all NMS publishing a marine-based newsletter will be available from a Wiki website hosted by E-SURFMAR which will act as a repository for such material.	Member Countries	Ongoing	No progress. News items are being stored on the Wiki site.
21	Australia, E-SURFMAR, and JCOMMOPS are invited to collaborate to produce a dynamic web map showing the PMO network and providing associated contact information on PMOs and the ports they service (e.g. PMO references by clicking on a port).	Australia, E-SURFMAR, JCOMMOPS	31/12/2006	'Find a PMO' added to VOS web site 30/04/09.
22	PMO networks impacts on the quantity and quality of recruited ships. For NWP applications, it is not necessarily the number of ships that counts but the number of observations, their quality and timeliness. The number of observations can be raised either by increasing the number of ships, or increasing the number of observations from each ship through the use of automated observing systems and the transmission of hourly data. However, for climate applications, increasing the number of ships is more relevant (bias reduction).	Member Countries	Ongoing	Ongoing

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23	Member Countries are invited to inform Graeme Ball of URLs of National VOS or PMO web sites they are maintaining for inclusion on the VOS web site.	Member Countries	ASAP	Completed
24	Member Countries are urged to complete their SOT national reports for 2005 as soon as possible and to submit them to the WMO Secretariat (ECharpentier@wmo.int), including VOSP, ASAPP, and SOOPIP sections. Only 7 countries have submitted input to WMO so far. Details on format can be found on WMO web site (http://www.wmo.ch/web/aom/marprog/Programme-Areas-and-Activities/SOT/national-reports-fmt.htm).	Member Countries	ASAP	Completed
25	The meeting agreed to organize PMO workshops every 3 to 4 years.	WMO	2009	PMO-IV arranged for 2010
26	USA has tentatively offered to host the next International PMO workshop.	USA & WMO	2009	Hosted by USA at Orlando, December 2010