VOS and VOSClim Report for 2008   **(MALAYSIA)**

a. Programme description:		
Category	**No. of ships at 31 Dec 2008**	**Comments**
Selected	23	
Supplementary	9	
Auxiliary	-	
Other (specify)	-	
Total National VOS Fleet	32	

b. VOS:	
Number of VOS vessels recruited in 2008	5
Number of VOS vessels de-recruited in 2008	-
Target number of ships in the national VOS Fleet	To maintain 40 active ships

c. VOSClim:	
Number of VOSClim vessels at 31 December 2008	-
Number of VOSClim vessels recruited in 2008	-
Number of VOSClim de-recruitments in 2008	-
Number of VOSClim recruitments planned for 2008	-

Target number of ships to participate in VOSClim	

d. Automated observing systems:

Type	No. of ships at 31 Dec 2008	Manual Input Yes / No	Method of Comms	2008 Planned installations

e. Data management:

Total number of ship observations (BBXX) distributed on the GTS in 2008	**20 816** (Number of reports received from GTS from all VOS ships for a region bounded by latitude 5S – 20N and longitude 95E – 130E)
Frequency of VOS data submitted for the GCC in 2008	4 batches consisting of **2562** records were sent in 2008

f. Electronic logbooks:

Software & version	No. of ships at 31 Dec 2008	Implementation plans
-	-	-

g. Major challenges and difficulties:

1. PMO's faced difficulty in communicating with some ship's officers as they had poor command of English
2. There were cases where observations sent via INMARSAT did not reach the collection centre.
3. Decreasing entries in Marine Meteorological Logbook.
4. PMO's sometimes had to travel far from their base stations to perform calibration works for ships which requested such services.

h. Research / development / testing:

i. Other comments:

1. WMO should organize a workshop/seminar or training for PMO in order to give the best service and dealing with the ship's authority.
2. WMO /JCOMM should update/supply NMS with the latest material such as cloud pictures, state of sea charts and any other related materials
3. WMO/JCOMM should emphasize the importance of VOS scheme to all shipping companies through workshops/seminars