

VOS and VOSClm Report for 2008

Canada

a. Programme description:		
Category	No. of ships at 31 Dec 2008	Comments
<i>Selected</i>	35	
<i>Supplementary</i>	11	
<i>Auxiliary</i>	0	
<i>Other (specify)</i>	0	
Total National VOS Fleet	46	

b. VOS:	
<i>Number of VOS vessels recruited in 2008</i>	03
<i>Number of VOS vessels de-recruited in 2008</i>	00
<i>Target number of ships in the national VOS Fleet</i>	75 Automatic VOS (AVOS) Ships

c. VOSClm:	
<i>Number of VOSClm vessels at 31 December 2008</i>	46
<i>Number of VOSClm vessels recruited in 2008</i>	04
<i>Number of VOSClm de-recruitments in 2008</i>	00
<i>Number of VOSClm recruitments planned for 2009</i>	08
<i>Target number of ships to participate in VOSClm</i>	75 (The complete AVOS Network)

d. Automated observing systems:				
Type	No. of ships at 31 Dec 2008	Manual Input Yes / No	Method of Comms	2009 Planned installations
AVOS manufactured by AXYS technologies	45	Both	INMARSAT	04
AVOS manufactured by AXYS technologies	1	Both	IRIDIUM	04

e. Data management:	
<i>Total number of ship observations (BBXX) distributed on the GTS in 2008</i>	Total 65000(Auto 63651/Manual 1349)
<i>Frequency of VOS data submitted to the GCC in 2008</i>	

f. Electronic logbooks:		
Software & version	No. of ships at 31 Dec 2008	Implementation/upgrade plans
1.23.15 Bridge PC 1.19	1	All new installs and retrofits will be version 1.23.15 Bridge PC 1.19 or higher
1.23.15 Bridge PC 1.17	5	
1.23.14 Bridge PC 1.17	4	
1.23.15 Bridge PC 1.16	1	
1.23.14 Bridge PC 1.16	35	

g. Major challenges and difficulties:

- Data collection rate low in the high northern latitudes and arctic with INMARSAT
- Accurate SST measurement remains an issue due to mounting location of sensor and technique
- Delay of call sign masking means the continued use of stealth mode. Working on proper call sign masking.

h. Research / development / testing:

- After 1.5 years of testing on Iridium communication in northern seas, the results look promising with over 90% data availability. Testing completed; going for implementation.
- Research for better SST measurement technique is underway.

i. Other comments: