VOS Report for 2012 Germany

a. Programme description:				
Category	No. of ships at 31 Dec 2012	Recruitments in 2012	De-recruitments In 2012	Comments
Selected	657	20	53	
Selected AWS	17			
VOSClim	57	5	3	
VOSClim AWS	2			
Supplementary				
Supplementary AWS				
Auxiliary	22	1	1	
Auxiliary AWS				
Other				
National VOS Total	753			

National VOS Target	
National VOSClim Target	

b. Data management:		
Total number of ship observations (BBXX) distributed on the GTS in 2012	273.657	
Frequency of VOS data submitted to the GCC in 2012	continuously	

c.	Shipboard Automatic Weather System				
	Туре	No. of ships at 31 Dec 2012	Manual Input Yes / No	Method of Comms	2013 Planned installations
MIL	OS	17	no	DCP	
Ship	own data logger	2	yes	INMARSAT/Iridium	

d. Electronic logbooks	. Electronic logbooks: (TurboWin, SEAS, OBSJMA)				
Software & version	No. of ships at 31 Dec 2012	Implementation plans			
TurboWin xx	695	Continuously on Ship's PC			

e.	Major challenges and difficulties:		
Star	Started in 2012 to use digital equipment, the first seven vessels use it since December 2012.		
f.	Research / development / testing:		
g.	Other comments:		