

OPV Capability Day  
 24<sup>th</sup> April 2012

Start	End	24 <sup>th</sup> April 2012- Royal Navy Dockyard, Portsmouth
10:00	12:00	<b>Portsmouth Historic Dockyard Tour</b>
12:00	13:30	<b>Networking Lunch</b>
<b>OPV Capability Day</b>		
13:50	14:00	<b>Chairman's Opening Speech</b> <b>Vice Admiral Sir Jeremy Blackham, Former Deputy Chief of Staff ( Equipment Capability), Royal Navy</b>
14:00	14:45	<p style="text-align: center;"><b>Technology advances in enhancing ship survivability and protection</b></p> <ul style="list-style-type: none"> <li>• Vulnerability reduction and Recoverability</li> <li>• Enhanced safety in the damaged condition</li> <li>• Floating dock concept</li> <li>• Extended double shell concept</li> <li>• Damage control</li> </ul> <p style="text-align: center;"><b>Professor Maciej Pawlowski, Faculty of Ocean Engineering &amp; Ship Technology, Technical University of Gdansk, Poland</b></p>
14:45	15:30	<p style="text-align: center;"><b>Underwater capabilities and mine countermeasures</b></p> <ul style="list-style-type: none"> <li>• Mine Counter Measures: Technology advances and Challenges</li> <li>• The use autonomous underwater vehicles (AUVs) and autonomous surface vehicles</li> <li>• Sonar Sensors and detection technology</li> <li>• Future Autonomous Mine Neutralization System</li> </ul> <p style="text-align: center;"><b>Edward Gough, Chief Scientist, NATO Underwater Research Centre</b></p>
15:30	16:00	<b>Networking Coffee</b>
16:00	16:45	<p style="text-align: center;"><b>Advanced equipment and training methods to enhance crew readiness and mission success</b></p> <ul style="list-style-type: none"> <li>• Essential training methods</li> <li>• Identifying long-term training requirements</li> <li>• Improving training efficiency through the use of advanced training equipment and strategies</li> </ul> <p style="text-align: center;"><b>International Defence Training, Royal Navy ( Awaiting speaker name)</b></p>
16:45	17:30	<p style="text-align: center;"><b>Total Ship Simulation</b></p> <ul style="list-style-type: none"> <li>• Save on fuel and running costs with Transas Total Ship Simulation</li> <li>• Outlining how ship builders and operators can use simulation to ensure that crews are prepared to operate their ships safely and economically</li> <li>• Describing different simulator configurations and the training that can be provided using each configuration</li> <li>• Outlining the cost benefits and efficiency improvements that can be achieved by making an investment in Total Ship Simulation</li> </ul> <p style="text-align: center;"><b>Graham Wagstaff MBE, Technical Simulation Product Development Manger Transas Marine International Ltd</b></p>
17:30		<b>Close of OPV Capability Day</b>
18:00	Late	<p><b>TRANSAS Marine UK</b> Ltd are delighted to be hosting a site visit to their new facilities in Portsmouth. Delegates will experience the most advanced simulation facility in Europe incorporating a TRANSAS NTPRO5000 Full Mission Bridge Simulator linked to a TRANSAS Engine Room Simulator to offer joint engineering and deck officer training.</p> <p>In addition to this capability TRANSAS have also recently commissioned their latest tug simulator which incorporates 49 LED Samsung screens, a DAMEN tug console and two fully validated DAMEN tug models which can be linked with the Full Mission Bridge simulator to offer a realistic ship and tow experience. The evening reception at TRANSAS' UK offices will allow VIP's to experience all three simulators in a number of scenario's whilst enjoying a drinks and food reception. Travel to and from the TRANSAS offices will be provided.</p>

Start	End	
07:30	08:15	<b>Registration and Coffee</b>
<i>25<sup>th</sup> April 2012, Action Stations, Royal Navy Dockyard, Portsmouth</i>		
08:20	08:30	<b>Chairman's Opening Speech</b> <b>Vice Admiral Sir Jeremy Blackham, Former Deputy Chief of Staff ( Equipment Capability), Royal Navy</b>
08:30	09:00	<b>Overview of current and future Maritime Security challenges</b> <ul style="list-style-type: none"> <li>Analysing threats to Maritime Commerce, Humanitarian Assistance, Disaster Relief, Economic Migrants and Energy Security</li> <li>Developing interagency strategies for maritime security operations</li> <li>The role of Offshore Patrol Vessels in facilitating maritime security</li> </ul> <b>Christian Le Mière, Research Fellow for Naval Forces and Maritime Security, International Institute for Strategic Studies</b>
09:00	09:30	<b>BAE Systems Surface Ships</b>
09:30	10:00	<b>Keynote Presentation : Royal Navy's role in maintaining good order at sea and overall Maritime Security</b> <ul style="list-style-type: none"> <li>Assessing the role of offshore patrol vessels in home waters and overseas operations</li> <li>Current Patrol and Minehunter fleets</li> <li>Plans and concepts in meeting the needs of today and tomorrow</li> </ul> <b>Rear Admiral Peter Hudson, Chief of Staff (Capability), Royal Navy</b>
10:00	10:30	<b>Networking Coffee</b>
10:30	11:00	<b>The mission and role of the Philippine Navy in conducting maritime security operations</b> <ul style="list-style-type: none"> <li>Current and future requirements in protecting the Philippine territory</li> <li>Enhancing Offshore Patrol Vessel capabilities for the Philippine Navy</li> <li>Future developments and the modernisation process</li> </ul> <b>Representative from the Philippine Navy ( Awaiting speaker name)</b>
11:00	11:30	<b>Patrol from the sea – Generation after Next</b> <ul style="list-style-type: none"> <li>Geopolitical impact on national security strategies</li> <li>The balance of investment and national requirements</li> <li>Maximizing a diminishing force</li> <li>A glimpse at the future</li> </ul> <b>Commander John Sutcliffe, Maritime/Maritime Air, Defence Science &amp; Technology Laboratory , UK MOD</b>
11:30	12:00	<b>Damen</b>
12:00	13:30	<b>Networking Lunch</b>
13:30	14:00	<b>C4ISR Needs for Maritime Interdiction and Maritime Security Operations (MIOs, MSOs)</b> <ul style="list-style-type: none"> <li>Different requirements from the warfighters' world</li> <li>Feeding and distributing security-related data</li> <li>Communication with a deployed boarding party</li> <li>From big to very small: how boarding teams deal with C4I</li> </ul> <b>Rear Admiral Massimo Annati (Ret'd), Italian Navy, European Working Group Non-Lethal Weapons</b>
14:00	14:30	<b>Saab</b>
14:30	15:00	<b>Methods in enhancing Ship stability</b> <ul style="list-style-type: none"> <li>Designing the hull to ensure high stabilization</li> <li>Intact stability; criteria</li> <li>Damage stability; criteria</li> <li>Static Equivalent Method</li> </ul> <b>Professor Maciej Pawlowski, Faculty of Ocean Engineering &amp; Ship Technology, Technical University of Gdansk, Poland</b>
15:00	15:30	<b>Quantum</b>
15:30	16:00	<b>Networking Coffee</b>
16:00	17:00	<b>PANEL DISCUSSION: LEGAL CONSIDERATIONS AT SEA</b> <b>Commander Clive Dow, Director of Naval Legal Services, Royal Navy</b> <b>Douglas Guilfoyle, Lecturer, Faculty of Laws, University College London</b>
17:00	17:30	<b>Pall</b>
17:30	18:00	<b>Latvian Navy's experience of receiving and implementing the new SWATH OPV concept</b> <ul style="list-style-type: none"> <li>The extraordinary sea keeping capabilities delivered by the SWATH PV P-05 Skrunda</li> <li>The use of widely-spread commercial of-the-shelf equipment in ensuring low maintenance costs</li> <li>High degree of comfort with low vibrations and noise levels</li> <li>The effectiveness of small crew size on life cycle costs</li> </ul> <b>Captain Rimants Strimaitis, Commander of the Latvian Navy</b>
18:00	18:15	<b>Chairman's Closing Remarks</b>
18:15	20:00	<b>Networking Drinks Reception &amp; Awards Ceremony</b>

Start	End	
07:30	08:15	<b>Registration and Coffee</b>
<b>26<sup>th</sup> April 2012- Action Stations, Royal Navy Dockyard, Portsmouth</b>		
08:20	08:30	<b>Chairman's Opening Speech</b> <b>Vice Admiral Sir Jeremy Blackham, Former Deputy Chief of Staff ( Equipment Capability), Royal Navy</b>
08:30	09:00	<b>Setting the scene- Royal Navy Operations and current maritime security issues</b> <ul style="list-style-type: none"> <li>• Outlining the role of the Maritime Warfare Centre in support of current and future operations</li> <li>• Drivers in determining systems used to enhance capabilities</li> <li>• Assessing factors in maintaining UK's Maritime Capabilities</li> </ul> <b>Captain Richard Farrington CBE, Director, Maritime Warfare Centre, Royal Navy</b>
09:00	09:30	<b>Astrium</b>
09:30	10:00	<b>Country Case Study- A multi-role capability platform for the French Navy</b> <ul style="list-style-type: none"> <li>• Outlining performance features of the 'L'Adroit' Offshore Patrol Vessel</li> <li>• Multi-mission OPV in meeting the demands of varied tasks for the French Navy</li> <li>• French Navy's approach in responding to maritime security threats</li> </ul> <b>Commander Loic Guyot, Commanding Officer Gowind L'Adriot OPV, French Navy</b>
10:00	10:30	<b>Networking Coffee</b>
10:30	11:00	<b>Flexibility of platforms to perform a variety of missions</b> <ul style="list-style-type: none"> <li>• Optimising capabilities to counter future maritime threats</li> <li>• Supporting the fleet capabilities and maintaining a fleet of modern vessels equipped with updated technology</li> <li>• Assessing the need for good sea keeping characteristics , flexibility and maneuverability</li> </ul> <b>Inspector General K Natarajan, PTM,TM, Deputy Director General , Policy and Plans, Indian Coast Guard</b>
11:00	11:30	<b>Next-generation Offshore Platforms to extend operational capabilities</b> <ul style="list-style-type: none"> <li>• Outlining Republic of Korea's current fleets</li> <li>• Assessing current and future requirements in delivering capabilities</li> <li>• The need for cutting edge technology in enhancing capabilities</li> <li>• Acquisition Strategy and future developments</li> </ul> <b>Representative from the Defence Acquisition Program Administration, Republic of Korea (Awaiting speaker name)</b>
11:30	12:00	<b>L-3</b>
12:00	13:30	<b>Networking Lunch</b>
13:30	14:00	<b>Capabilities delivered through utilization of RHIBs, Helicopters and UAVs in facilitating maritime surveillance</b> <ul style="list-style-type: none"> <li>• The role of helicopters in providing extended capabilities for surveillance and target classification</li> <li>• Outlining the need for Rigid Hull Inflatable boats for fast deployment and recovery during operations</li> <li>• Efficiency of incorporating Unmanned Air Systems for current and future operations</li> </ul> <b>Commander John Sutcliffe, Maritime/Maritime Air, Defence Science &amp; Technology Laboratory , UK MOD</b>
14:00	14:30	<b>Unmanned Air Systems</b> <b>Agusta Westland</b>
14:30	15:00	<b>The Future of RIB &amp; High Speed Craft Training</b> <ul style="list-style-type: none"> <li>• Fast Response Craft (FRC) Crew &amp; Coxswain training</li> <li>• International qualifications plus specialist / advanced modules</li> <li>• Supports professional sector agency and asset interoperability</li> <li>• Recognised by The Nautical Institute</li> </ul> <b>Jon Hill , Training Director, FRC International</b>
15:00	15:30	<b>Naiad Dynamics</b>
15:30	16:00	<b>Networking Coffee</b>
16:00	16:30	<b>Operational requirements for multipurpose OPV</b> <ul style="list-style-type: none"> <li>• Challenges operating at the Baltic Sea area conditions</li> <li>• Capacity building for Safety and Security operations</li> <li>• Support capability for cooperative authorities</li> </ul> <b>Gunnar Holm , Head of Ship Technical Unit, Finnish Border Guard</b>
16:30	17:00	<b>Outlining NATO's role in providing naval vessels and deterrence capabilities in countering piracy</b> <ul style="list-style-type: none"> <li>• Measures to prevent and suppress piracy and armed robbery against ships</li> <li>• Measures to prevent unlawful acts against passengers and crews on board ships</li> <li>• Training regional countries in developing their own capabilities to combat piracy activities</li> </ul> <b>Commander Stein Olav Hagalid, Branch Head NCAGS/NATO Shipping Centre, NATO Allied Maritime Command</b>
17:00	17:30	<b>Wartsila</b>
17:30	17:45	<b>Chairman's Closing Remarks</b>