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DAY ONE: TUESDAY 28 OCTOBER 2025		
0800	REGISTRATION AND MORNING COFFEE	
0900	DEFENCE IQ WELCOME	
Defence IQ	Abbie Butler, Conference Director, Defence iQ	
0905	CHAIRMAN'S OPENING REMARKS	
	W. Carmelo Fontan, Former Chief Technology Officer, NAVSEA and Technical Director,	
	Robotic Autonomous Systems Office, OPNAV, US Navy	
	STRATEGIC CONTEXT: KEY INSIGHTS INTO MARITIME ISR AND SECURITY	
	VIRTUAL: GLOBAL MARITIME SAFETY AND SECURITY: UNITY, RESILIENCE AND STRATEGIC PURPOSE IN A CHANGING WORLD	
	The maritime domain as a shared strategic space	
0920	Converging challenges – collective responsibility	
	 Innovation, integration and intentional leadership 	
	Vice Admiral Doug Perry, Commander Joint Force Command Norfolk, Commander,	
	U.S. 2nd Fleet, Director Combined Joint Operations	
	TECHNOLOGY PREDICTIONS FOR THE NEXT DECADE OF INTELLIGENCE AND	
	SECURITY	
0945	Addressing current challenges through cross-domain innovation	
TECH BRIDGE	Exploring trends and how we can together transform maritime intelligence	
	A look at how next-gen capabilities can redefine operational resilience	
	Commander Jon Sutcliff, UK Co-Director, NavalX, London Tech-Bridge	
	A HYDROGRAPHIC OFFICE PERSPECTIVE ON OPTIMISING FOUNDATION	
	UNDERSTANDING OF THE MARINE ENVIRONMENT TO ENHANCE MARITIME	
	SECURITY	
1015	Understanding the role of a National Hydrographic Office	
	Exploring advancements in technology to aid in data acquisition, assurance, and	
UK Hydrographic Office	accessibility	
	Leveraging collaborative frameworks to improve interoperability and better	
	enable maritime information sharing	
	Jeremy Churcher, Head of Defence, UK Hydrographic Office	
1045	MORNING COFFEE AND NETWORKING BREAK	
	ADDRESSING CURRENT CHALLENGES WITHIN MARITIME OPERATIONS	
	ISR EXPERIMENTATION AT REPMUS 2025	
	A testbed for innovation, experimentation and success: REPMUS	
1115	Demonstrating how collaborative experimentation is advancing seamless	
	connectivity	
	Fostering multilateral cooperation and developing scalable, future-ready	
	solutions	
	Lieutenant Commander Guilherme Rosinha, Staff Officer - Innovation &	
	Transformation Division, Portuguese Navy	

1145 ■ Fraunhofer ross	 ADVANCING ISR THROUGH INTELLIGENT SENSORS AND INFORMATION FUSION How multi-sensor fusion transforms fragmented maritime data into coherent, actionable intelligence for faster, more informed decision-making Leveraging machine learning to detect anomalies, predict threats and enhance situational awareness across dynamic maritime environments Building scalable, cross-domain sensor systems that support operations and future-proof ISR capabilities across the ecosystem Professor Dr. Wolfgang Koch, Fellow IEEE, Chief Scientist and Head Sensor Data & Information Fusion, Fraunhofer FKIE
	HOW THE NSPA IS EXPANDING FAST TO MEET THE UAS NEEDS FOR THE ALLIANCE
1215 	 IN THE MARITIME DOMAIN Deliver coherent, capable and collaborative UAS ecosystems Foster Joint/multi-national procurement and operations Drive innovation Martin Van Duin, Senior Operational Requirements Analyst, AGS and UAS Programme Office, NATO Support and Procurement Agency (NSPA)
1245	NETWORKING LUNCH
Т	HE USE OF UxS & AUTONOMOUS PLATFORMS IN UNDERWATER OPERATIONS
1400 CELLULA ROBOTICS OPTIOS ** ** ** ** ** ** ** ** **	 PANEL: THE FUTURE OF UNDERWATER OPERATIONS FOR MARITIME SECURITY Autonomous mapping capabilities Subsurface surveillance integration into operations Data-driven decision support Moderated by: W. Carmelo Fontan, Former Chief Technology Officer, NAVSEA and Technical Director, Robotic Autonomous Systems Office, OPNAV, US Navy Panellists include: Jeremy Churcher, Head of Defence, UK Hydrographic Office Lieutenant Commander Guilherme Rosinha, Staff Officer - Innovation & Transformation Division, Portuguese Navy Richard Mills, Chief Commercial Officer, Cellula Robotics Paul Heiden, CEO, Optics11
1445	AFTERNOON TEA AND NETWORKING BREAK
1530	MARITIME ISR WARGAME – OPEN TO ALL ATTENDES SCENARIO: Blue and Red are racing to occupy a strategic island chain. Both sides are sending an Amphibious Task Group to occupy one of the main islands. Victory is based on the first to land a marine force on the island that they have selected, with additional kudos based on enemy forces sunk, destroyed or damaged. With thanks to Professor David Manley, University College London
1715	CHAIRMAN'S DAY ONE SUMMARY W. Carmelo Fontan, Former Chief Technology Officer, NAVSEA and Technical Director, Robotic Autonomous Systems Office, OPNAV, US Navy
1730	END OF DAY ONE

	DAY TWO: WEDNESDAY 29 OCTOBER 2025
0830	REGISTRATION AND MORNING COFFEE
0900	CHAIRMAN'S OPENING REMARKS
	W. Carmelo Fontan, Former Chief Technology Officer, NAVSEA and Technical
	Director, Robotic Autonomous Systems Office, OPNAV, US Navy
	INTELLIGENCE FOR MARITIME OPERATIONS
	GEOSPATIAL INTELLIGENCE: THE BACKBONE OF MARITIME ISR
	 Leveraging advanced geospatial tools to enhance maritime situational
0915 Open Geospatial Consortium.	awareness, route planning and threat detection
	 Integrating Al and edge computing to process vast ISR data streams from
	satellites, UAVs and naval assets in real time
	 Using geospatial intelligence to optimise mission planning, reduce response
	times and support decision-making in dynamic maritime environment
	Christy Monaco, Chief Operating Officer, Open Geospatial Consortium
	BRIDGING OCEANS WITH OPEN DATA
	One ocean, one framework
0945	Data without borders
-	 Ocean observation is critical infrastructure
	Patrick Gorringe, Senior International Relations Manager, Oceans SMHI, Swedish
	Meteorological and Hydrological Institute
	VIRTUAL: SYNCHRONISING THE SPECTRUM: OPERATIONAL INSIGHTS FROM
	MULTI-DOMAIN INTELLIGENCE
	 Integrating space, cyber, air, and maritime data to deliver persistent, layered
4045	awareness in contested maritime environments
1015	 Turning complex, multi-domain inputs into operationally relevant intelligence
-	that supports faster, more agile decision-making
	Enabling coalition effectiveness through shared frameworks, common data
	standards, and mission-driven analytics
	Robert Gregg, Senior Multi-Domain Operations Analyst and Deputy Branch Head
10.15	Operational C2, NATO Supreme Allied Command Transformation (ACT)
1045	MORNING COFFEE AND NETWORKING BREAK
	AERIAL TECHNOLOGY UTILISATION IN MARITIME SECURITY
	NEW TECHNOLOGY FOR NEW THREATS: ACCELERATING MARITIME
	INTELLIGENCE THROUGH ONBOARD AUTONOMY
1130	 Operational realities of new maritime threats, ISR challenges and highlight
6	emerging technology approaches to increase capabilities
OVERWATCH	 Examine operational capabilities unlocked through automation
	 Discuss examples of autonomy in action and rethink the ISR Workflow
	Matt Lynaugh, Business Development Director, Overwatch Imaging

	PANEL: WINGS OVER WATER - ARE AERIAL ASSETS THE FUTURE OF MARITIME ISR OR AN EXPENSIVE DISTRACTION? • How are next-gen aerial platforms (crewed and uncrewed) reshaping maritime ISR capabilities in contested and congested environments? • What do operators and R&D need from procurement to accelerate integration
1200	 of AI, autonomy, and multi-domain interoperability in aerial ISR assets? How can feedback loops between operators and developers ensure aerial ISR platforms are tailored for real-world maritime missions? Moderated by:
	W. Carmelo Fontan, Former Chief Technology Officer, NAVSEA and Technical Director, Robotic Autonomous Systems Office, OPNAV, US Navy Panellists include:
	Wing Commander Stuart Hague, RPAS Programme Manager / MQ-9 International Cooperation Support Partnership, Royal Air Force
	Martin Van Duin, Senior Operational Requirements Analyst, AGS and UAS Programme Office, NATO Support and Procurement Agency (NSPA) James Morris, Assistant Head of Delivery, UKDI
	Commander Mohummed 'Cas' Koheeallee, UAS Programmes, Navy Develop, Carrier Strike and Maritime Aviation, Royal Navy
1300	NETWORKING LUNCH
	TECHNOLOGY CONNECTING THE ATLANTIC
1400	 BROADENING HORIZONS WITH ADVANCED UAS CAPABILITIES IN THE NAVY The Royal Navy's Hybrid Airwings Concept. Optimising maritime aviation towards the best of both worlds The equipment is the easy part. Exploitation of the capabilities afforded by
1400	 UAS is the hard part Persistent ISR as the pathfinder carrier-borne UAS programme. The long road ahead
	Commander Mohummed 'Cas' Koheeallee, UAS Programmes, Navy Develop, Carrier Strike and Maritime Aviation, Royal Navy
	 DUAL-USE TECHNOLOGIES FOR SMARTER MARITIME DOMAINS Applying supercomputing power to fuse public and classified maritime data streams for real-time, secure situational analysis
1430	 Bridging civil and defence innovation to accelerate scalable, interoperable maritime surveillance solutions Enabling predictive maritime intelligence through AI-driven models trained on
	vast, diverse Atlantic data ecosystems
	Dr. Joan Farnós Baulenas, Head of Dual-Use Technologies, Barcelona Supercomputing Centre
1500	Supercomputing Centre CHAIRMAN'S CLOSING REMARKS W. Carmelo Fontan, Former Chief Technology Officer, NAVSEA and Technical
1500 1545	Supercomputing Centre CHAIRMAN'S CLOSING REMARKS