

TUESDAY, MARCH 29

0800	<p>Call to Order Mr. Richard Udicious, Chairman, NDIA Undersea Warfare Division</p> <p>Introduction of Speakers Mr. Wayne Jakubowski, Conference Chairman</p>
0810	<p>Welcome RDML Thomas Wears, USN Commander, Naval Undersea Warfare Center</p> <p>NCIS Presentation</p>
0815	<p>VADM John Richardson, USN Commander, Naval Submarine Forces</p>
0845	<p>RADM Frank Caldwell, USN Commander Submarine Force U.S. Pacific Fleet</p>
0915	<p>RADM Michael Connor, USN Director, Submarine Warfare Division, OPNAV N87</p>
1000	<p>Break</p>
1030	<p>RDML(Sel) Phillip Sawyer, USN Vice Commander, Naval Mine and Anti-Submarine Warfare Command (MIW)</p>
1100	<p>RADM Patrick Brady, USN Commander, Space and Naval Warfare Systems Command</p>
1130	<p>RDML Matthew Klunder, USN Director, ISR Capabilities, OPNAV N2/N6F2</p>
1200	<p>Mr. Craig Sheldon Farragut Technical Analysis Center</p>
1230	<p>Awards Presentation</p>
1245	<p>Lunch</p>
1340	<p>Afternoon Introductions</p>
1345	<p>RADM Nevin Carr, USN Chief of Naval Research/ Director, Test and Evaluation and Technology Requirements</p>
1415	<p>RDML James Shannon, USN Commander, Naval Surface Warfare Center</p>
1445	<p>Mr. Donald McCormack Technical Director, Naval Undersea Warfare Center</p>
1515	<p>Break</p>

1545	Mr. Jimmy Smith Program Executive Officer Integrated Warfare Systems
1615	Ms. E. Anne Sandel Program Executive Officer Littoral Mine Warfare
1645	RDML David Johnson, USN Program Executive Officer Submarines
1715	Concluding Remarks Mr. Wayne Jakubowski, Conference Chairman Adjourn - Shuttle buses depart for hotels
1800	Mongolian Barbecue

WEDNESDAY, MARCH 30 - NEW THIS YEAR - TECHNICAL PLENARY SESSION

0755	Call to Order Mr. Richard Udicious, Chairman, NDIA Undersea Warfare Division Introduction of Speakers Mr. Gregory Vaughn, Conference Co-Chairman
0800	RADM Wendi Carpenter, USN Commander, Navy Warfare Development Command
0830	CAPT Thomas Kearney, USN PMS 404
0900	CAPT Dean Nilsen, USN PMS 406
0930	CAPT Charles Davis, USN PEO IWS 5
1000	Mr. Joseph Johnson PEO IWS 5A
1030	Break
1100	CAPT Miguel San Pedro, USN PMW 770
1130	CAPT Luis Ramirez, USN PMA 264
1200	Closing Remarks and Adjourn for Lunch

	Aviation USW Nimitz Room	C4I Harbor Lounge	Combat Systems Skyline Room B	Mine Warfare Pt. Loma Room	Undersea Sensors Skyline Room A	Undersea Warfare Vehicles San Diego Room
1215		Technical Committee Working Lunch	Technical Committee Working Lunch - Harbor Lounge	Technical Committee Working Lunch	Technical Committee Working Lunch - Nimitz Room.	Technical Committee Working Lunch
1330	Call to Order Mr. David Nelson The Boeing Company Technical Committee Chairman	Call to Order CAPT Paul Rosholt, USN (Ret) Raytheon Company Technical Committee Chairman	Call to Order Dr. Robert Zarnich Metron, Inc. Technical Committee Deputy Chairman	Call to Order Mr. Eric Holmes Lockheed Martin Corporation Technical Committee Chairman	Call to Order Mr. Jose Rio Lockheed Martin Undersea Systems Technical Committee Chairman	Call to Order CAPT Rich Talipsky, USN (Ret) SEA CORP Technical Committee Chairman
1335	PMA 290 Update of ASW Platform Status, High Altitude ASW and Future Platform Fleet Introduction CAPT Michael Moran, USN NAVAIR PMA 290	Composable FORCEnet (CFn), PMW 150 Mr. Sean Moore and Mrs. Cindy Taylor PEO C4I PMW 150	Aircraft Carrier - Tactical Support Center (CV-TSC), Upcoming Major Upgrades to CSG ASW Capabilities Mr. Michael O'Hare and Mr. Don Warner, PEO IMS 5	Mine Warfare Programs Overview Ms. Donna Carson-Jelley PMS 495	PEO IWS 5A Advanced Development Recent/Pending Focus Areas Mr. Peter Scala PEO IWS 5A1	Undersea Defensive Programs CAPT David Knapp, USN Program Manager for Undersea Defensive Systems, PMS 415
1405	MPRF/Air ASW Community of Interest (COI) Update: Focus on the Support of the Air ASW Board, S&T Transition of ASW Technology in to Programs, and Integration of the Air ASW Helo Community Mr. Gregory Brannon, Mr. Joe Willette and Mr. Kevin Askin NAVAIR PMA 290I	PMW/A 170 Assured Communications in an Anti-Access/Area Denial (A2AD) Environment Dr. Kurt Fisco PEO C4I PMW 170	Comparing Acquisition Strategies: Maintenance Free Operating Period vs. Traditional Logistics Support Mr. Nicholas Guertin and Mr. Paul Bruhns PEO IMS 7B	RMMV and AQS-20 Status Mr. Steve Lose PMS 403	AN/SQQ-89A(V)15 Undersea Warfare System Advanced Capabilities Production, Certification, Installation, and Future CAPT Joe Mauser, USN NAVSEA	Testing of Autonomous Systems Mr. Joel Pary and Dr. Michael Ricard C.S. Draper Laboratory
1435	P-3 Air Crew Tactical Team Trainer (PACT3) LCDR Robert Huntington, USN and Mr. Jonathan Glass NAVAIR PMA 205	Preserving GPS Position, Navigation, and Time for Submarine Applications in a GPS Denied Environment (Part I) CDR Larry Walker, USN PEO C4I PMW 170	ASW Systems Engineering Status and the Common ASW Data Model Ms. Colleen Cannon PEO IMS-5SE	Advanced Mission Module Dr. Sam Taylor NSWC Panama City	PMS 485/PMS 406 Persistent Autonomous Maritime Surveillance (DNS/LDUUV) Demonstration Mr. John Curtis Maritime Surveillance Systems PMS 485	The METOC SHARC Project: Creating a Capability for Command and Control of the SHARC Unmanned Surface Vehicle from the NAVOCEANO Glider Operations Center in support of Naval Missions LT Nicholas Rausch, Mr. Jon Erickson, Mr. Steve Lingsch, and Mr. Scott Willcox, Navy Irregular Warfare Office
1505	Office of Naval Research Future Naval Capabilities (FNC) Program Mr. Steve Smolinski Office of Naval Research	Preserving GPS Position, Navigation, and Time for Submarine Applications in a GPS Denied Environment (Part II) CDR Larry Walker, USN PEO C4I PMW 170	ASW Contact Management Modeling and Analysis of the SQQ-89 Combat System Dr. Bryan Gorman, Mr. Craig Payne, and Ms. Alison Ebaugh, JHU APL	Environmental Post Mission Analysis Dr. Kevin Mahoney and Mr. Chris Coward Naval Oceanography Office	Deep Water Active Distributed System Mr. Robert Cortese, Mr. Robert Kunderinger, and Mr. Raymond Deno Spartan Electronics	Open Architecture for Unmanned Underwater Vehicles: The Way Ahead Dr. Gregory Garcia NSWC Panama City
1535	Break	Break	Break	Break	Break	Break

WEDNESDAY, MARCH 30

	Aviation USW <i>Nimitz Room</i>	C4I <i>Harbor Lounge</i>	Combat Systems <i>Skyline Room B</i>	Mine Warfare <i>Pt. Loma Room</i>	Undersea Sensors <i>Skyline Room A</i>	Undersea Warfare Vehicles <i>San Diego Room</i>
1600	The Multistatic Active Coherent (MAC) Program <i>Mr. Rick Fillhart and Mr. Jeff Davison</i> NAVAIR PMA 264	Enabling the Spectrum of UxV, Communication, Sensor, Payload, and Platform Capabilities <i>CDR Kurt Rothenhaus, USN</i> PEO C4I PMW 160	Preparation of the Undersea Battlefield <i>CAPT James Patton, Jr., USN (Ret)</i> <i>Submarine Tactics and Technology, Inc.</i>	General Analytical Minefield Evaluation Tool (GAMET) <i>Mr. Brian Belton</i> SPAWAR SYSCEN Pacific	Tactical Application of Non-Hull Penetrating Hydrophone (NHP) Technology for the Submarine Warfighter <i>Mr. Ron Murdock</i> <i>Progeny Systems</i>	Analysis of a Hull Mounted Directional Sensor Data Collection Event Onboard a UUV (MARV) <i>Mr. Christopher Patty and Mr. Robert Carpenter</i> NUWC
1630	P-8A based Acoustic Demonstrator Unit <i>Mr. Peter Eiko, Mr. Charles McIntyre, and Mr. Ronald Neiman</i> <i>The Boeing Company</i>	Connecting the Undersea Network with Optical Communications <i>Mr. Michael Lovern, Dr. Greg Mooradian, and Dr. Larry Stotts</i> SPAWAR SYSCEN Pacific	Standardized Magnetic Silencing Facility System Upgrade <i>Mr. Robert Schuler</i> NSWC Carderock Division	Understanding the Tactical Advantages of Synthetic Aperture Sonar on a Modular Autonomous Underwater Vehicle <i>Ms. Mikell Taylor and Mr. Andy Wilby</i> <i>Bluefin Robotics</i>	UUV-Deployed Deep-Ocean Fiber-Optic Communications System <i>Mr. Lee Freitag, Mr. Andrew Bowen, Dr. Louis Whitcomb, and Mr. David Porter</i> <i>Woods Hole Oceanographic Institution</i>	Operational Effectiveness Evaluation for UUVs: How Good is your UUV? <i>Mr. Samuel Hester</i> NUWC Div., Newport
1700	Simultaneous Operation of Multiple Operational ASW Software Applications and Multiple Operating Systems on a Single Computer <i>Mr. Glen Sharpe</i> <i>Lockheed Martin MS2</i>	Undersea Distributed Node Support for Mid-Term UUV Deployments <i>Mr. Joshua Henson, CDR Robert Chase, USN, and Mr. Brian Seol</i> NAVFAC ESC	PEO IWS 5A Advanced Development Recent/Pending Focus Areas <i>Mr. Peter Scala</i> PEO IWS 5A1	Mine Warfare Data Fusion Cell <i>Ms. Bobbie Thompson and Mr. Ronald Betsch,</i> <i>Naval Oceanographic Office, and Dr. Daniel Sternlicht,</i> NSWC Panama City	Novel Radar for Undersea Vehicles <i>Mr. Richard Mitchell</i> MARK Resources, Inc.	Autonomous Behavior Development for UUVs <i>Mr. Andrew Bouchard and Mr. James Perkins</i> NSWC Panama City
1730	Integration of Air ASW into Ship Combat Systems <i>Mr. Michael O'Hare</i> PEO IWS 5	Adjourn	Adjourn	Adjourn	Adjourn	Adjourn
1800	Adjourn					

THURSDAY, MARCH 31

	Aviation USW Nimitz Room	C41 Harbor Lounge	Mine Warfare Pt. Loma Room	Undersea Sensors I Skyline Room A	Undersea Sensors II Skyline Room B	Undersea Warfare Vehicles San Diego Room
0800	Call to Order Mr. David Nelson The Boeing Company Technical Committee Chairman	Call to Order CAPT Joseph Natale, USN (Ret) The Boeing Company Senior Member, C41 & Combat Systems Committee	Call to Order Mr. Eric Holmes Lockheed Martin Technical Committee Chairman	Call to Order Mr. Jose Rio Lockheed Martin Undersea Systems Technical Committee Chairman	Call to Order Mr. Juergen Keil Rite Solutions Technical Committee Deputy Chairman	Call to Order Mr. Tom Sherman, JHU APL Technical Committee Deputy Chairman; and Dr. Paul Temple, NUWC Div., Newport
0805	Automated Doppler Closest Point of Approach (CPA) Algorithm Dr. Richard Nielsen The Boeing Company	Networked EA in support of USW in A2AD Environments Mr. John Johnson and Mr. Michael Herrera NAWC-WD Point Mugu Joint Electronic Attack Compatibility Office	MIW Requirements Mr. Randy Hill and Mr. Richard Kimmel Naval Mine and Anti-Submarine Warfare Command	Exploring the AN/SQ-89A(V)15 Advanced Capabilities Build 09 (ACB-09) and Operator Performance During SCC OPS 10-2 Mr. Christopher Chesmar JHU APL	Electric Field Sonobuoy Augmentation for ASW Dr. Jeffrey Ridgway, Dr. Michael Larsen, and Mr. Gordon Perkins Information Systems Laboratories	USW-UUV Collaboration to Extend UUV Persistence and Range Mr. Jeffrey Smith Bluefin Robotics
0835	Adaptive Ping Control in Multistatic Active Sonar Networks Dr. Cheryl Wakayama and Mr. Doug Grimmer SPAWAR SYSCEN Pacific	Ubiquitous Underwater Acoustic Communications using the SLQ25-C (NICIE) Mr. Mark Bock and Dr. Joe Schwarzwalder Argon ST	Advanced Undersea Weapons and Sensors Near Term LD-UUV Capabilities Mr. Cameron Matthews NSWC Panama City	J-METE JSF/QRT: Protecting US HVAS from Underwater Asymmetric Attack Dr. Scott Truver Gryphon Technologies LC	Evolving Submarine Masts and Sensors to support Advanced Platform Capabilities and Reduced Total Ownership Costs Mr. Peter Kuzdeba and Mr. Gary Kelley Kollmorgen Electro-Optical	High Energy Density Systems (HEDS) R&D Plan Mr. Kyle Werner, Mr. Joseph Gaines, and Ms. Susan Waggoner NSWC Crane Division; and Mr. David Smith, HBMG, Inc.
0905	Submarine UAS - TAGDEVEX 10 Results Mr. Peter Harrigan, Mr. Callis Goodrich, and Mr. Tony Smith NAVSEA Undersea Warfare Center	ONR/PEO IWS/PEO C4I Combat System (CS) Command and Control (C2) Limited Test Experiment (LTE) and Results: A SOA Success Story Mr. Matthew Fisher Progeny Systems	Demonstrated Distributed Netted Sensors Capability Supporting Advanced Mining System Concept Mr. Donald Parker Northrop Grumman Undersea Systems	Human Performance Measurement of Spatial Audio for Sonar Broadband and in Safety of Ship Operations Ms. Margaret Beecher, Ms. Grace Tran, Mr. Daniel Lawrence, and Mr. Michael Dykton JHU APL	Military Net Centric GPS Receiver Card Mr. Anthony Scoca, Mr. John Kallenberger, and Mr. Brian Fink Lockheed Martin MS2	Air Deployed AUV Platform for Sensors Mr. Edison Hudson iRobot Corp
0935	Effective False Contact Mitigation using SPECSweb Tracking on the LAMP LWAD'05 Data Set Mr. Doug Grimmer and Mr. Randall Plate SPAWAR SYSCEN Pacific	OceanLink for UUV - Underwater Communications & Control Mr. Greg Hays and Dr. Leo Volison Torrey Pines Logic	AUWS Expendable Sensor OutPost (AESOP) Status Mr. Tony Matthews, Mr. David Everhart, and Mr. Jeff Feldstein ITT	Low Frequency Broadband (LFBB) ASW and MCM Dr. Brian Houston Naval Research Laboratory	Maritime EO/IR Scenario Generator (MESG): A Submarine Mast Signature & Vulnerability Assessment Tool Dr. Dimitris Tsinkidis, Mr. Jeremy Shattuck, and Mr. Keith Jones SPAWAR SYSCEN Pacific	DSOP SHARK Architecture Study Mr. Ernest Sticksels, Dr. Henrik Schmidt, Dr. Kai-yuh Hsiao, and Mr. Mathieu Kemp Applied Physical Sciences
1005	Break	Break	Break	Break	Break	Break

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	Aviation USW <i>Nimitz Room</i>	C4I <i>Harbor Lounge</i>	Mine Warfare <i>Pt. Loma Room</i>	Undersea Sensors I <i>Skyline Room A</i>	Undersea Sensors II <i>Skyline Room B</i>	Undersea Warfare Vehicles <i>San Diego Room</i>
1030	Autonomous Correlation of Passive Acoustic Signatures using Fuzzy Methods Applied to PTA4 Sonobuoy Dataset <i>Dr. Rockie Ricks and Mr. Dimitar Manev SPAWAR SYSEEN Pacific</i>	Enhanced AComms Physical Layer for Low Probability of Detection Undersea Networking <i>Mr. Jason Rudzinskiy and Mr. Lee Freitag, Applied Physical Sciences Corp.</i>	Advanced Undersea Warfare System <i>LT William Walker, USN and LCDR Tracy Emmersen, USN Naval Postgraduate School</i>	Advanced Target Sensing/Fuzing Design for Undersea Weapons <i>Mr. Alex Cox NSWC Indian Head</i>	Automated Passive Diver Detection <i>Mr. Benjamin Boyle, Dr. Sebastian Pascarella, and Mr. Dennis Kerstner Advanced Acoustic Concepts</i>	ACTUV: Bridging the Capability Gap Between Submarines and UUVs <i>Mr. Bill Wood, Mr. Ernest Arizzi, and Mr. Larry Datko Northrop Grumman Undersea Systems</i>
1100	High Altitude Anti-Submarine Warfare (HAASW) <i>Mr. Raymond Deno and Mr. John Kewley Ultra Electronics USSI</i>	Optical Periscope Detection for Anti-Torpedo Defense <i>Mr. Michael Strauss and Dr. Leo Volson Torrey Pines Logic</i>	Littoral Neutralization Capability Enhancements <i>Mr. David Jennings NSWC Panama City</i>	Delivery of Power and Data through Rigid Media: Laboratory Results <i>Dr. Sebastian Pascarella, Advanced Acoustic Concepts; and Mr. Tristan Lawry, Dr. Henry Scarton, and Dr. Gary Saulnier, RPI</i>	Global Sea Sentry (GSS) <i>Mr. David Stageberg and Dr. Martin Renken NUWC Div., Newport</i>	Fielding Unmanned Undersea Vehicles (UUVs) Now <i>Mr. Randy Case and Mr. Kim Koehler PEO C4I PMW 120</i>
1130	Sonobuoy Based A2RF Communications Gateway <i>Dr. David Powell and Mr. Gregory Bonahoom Spartan Electronics</i>	Undersea Warfare Proficiency Improvement Research Program <i>Mr. Simon Hamilton and Ms. Chancy Hopper Lockheed Martin IS&GS</i>	Autonomous Underwater Vehicle Technologies for Very Shallow Water Mine Neutralization <i>Mr. Daniel Kucik NSWC Panama City</i>	Miniature 3D Vector Sensor using Acoustical Velocity Sensors <i>Mr. Michael Strauss and Dr. Leo Volson Torrey Pines Logic</i>	Portable Acoustic Transponder Range Developments <i>Mr. Robert Reid NUWC Div., Newport</i>	Reducing Total Ownership Cost by Leveraging Existing Infrastructure to Support and Maintain Current and Future Unmanned Undersea Vehicles <i>Mr. James Crawford and Mr. Michael Bauer NUWC San Diego Detachment</i>
1200	Adjourn	Adjourn	Adjourn	Broad Band Flexural Disc Projector Array Technology <i>Mr. Timothy Rorick Ultra Electronics Undersea Sensor Systems Inc.</i>	Portable Underwater Tracking Ranger (PUTR) <i>Mr. Peter Yinger, Mr. Tom Phillips, Mr. Jim Hager, and Mr. Bob Reid, L-3 MariPro</i>	Adjourn
1230				Adjourn	Environmental Reconstruction and Analysis of Operational Events <i>Mr. David Harvey and Dr. Peter Orlin Naval Oceanographic Office</i>	
1300					Adjourn	