

Cyber/Electronic Warfare Convergence 2023



ASSOCIATION
OF OLD CROWS



Naval Information Warfare Center Atlantic
Cooper River Landing Conference Center (Bldg. 3112)

2023 Conference Theme: Challenges and Benefits of Integrating Into JADC2

Collaborative Warfare is driving all aspects of modern warfare into a new reality. To achieve efficient situational awareness (SA), effective mission planning, coordination and execution requires a new integrated and cooperative paradigm to achieve battlefield superiority. The employment of coordinated cyber capabilities as well as distributed and cognitive networked EW systems must be selected carefully to deliver the best mission effectiveness as well as maintain mission assurance. The challenges of enabling dynamic resource allocation falls to Joint All-Domain Command and Control (JADC2). The JADC2 Implementation plan was signed by Deputy Secretary of Defense (DSD) Dr. Kathleen Hicks signed on March 15, 2022. Each service is working to integrate TTP and capabilities into JADC2 to enable this force multiplier for all services and agencies. In this conference, we will advance that effort by gathering the best minds and decision makers in their fields to discuss plans, objectives, successes and challenges with this transformational move in strategic planning and mission execution.

Tuesday, June 6
TOP SECRET//SCI

Sessions 1-3: 0900 - 1710

Wednesday, June 7
TOP SECRET//SCI

Sessions 4-6: 0900 - 1700

Thursday, June 8
TOP SECRET//SCI

Session 7-8: 0900 - 1600

Agenda

All Sessions at TS/SCI Classification

Tuesday, June 6

0800 – 0900 Continental Breakfast and Registration

Session 1 – General

0900 – 0905 **Mr. Rich Nelson, Palmetto Roost Chapter President**
Opening Remarks

0905 – 0910 **Civil Air Patrol Color Guard, Posting of the Colors**

0910 – 0915 **Mr. Willie Cantrell**
NIWC SSO Security Briefing

0915 – 0935 **Mr. Brian “Hinks” Hinkley, President, Association of Old Crows**
AOC International Update

0935 – 0940 **Captain Nicole Nigro, Commanding Officer, Naval Information Warfare Center Atlantic**
NIWC Welcome Remarks

0940 – 1005 **Mr. James Ward, Scientific Research Corporation**
Rear Admiral (Ret) Timothy Kuehhas, Director, Scientific Research Corporation
Welcome Keynote

1005 – 1030 **Mr. Jeff King, Senior Program Manager, Scientific Research Corporation**
EW Waveform Generation Methods

1030 – 1045 *BREAK*

Session 2 – Strategy

1045 – 1130 **MAJ W. Thomas Culpepper, Commander, 145th Cyber Warfare Company**
Offensive Cyber Operations

1130 – 1215 **Mr. Dan Bernabei, Mission Capabilities Lead, OUSD (I&S) ISR Enterprise Capabilities**
Intelligence Support to Cyber and EW Convergence

1215 – 1315 *LUNCH*

Session 3 – DOD JADC2 Implementation

1315 – 1400 **Dr. Ilya Lipkin, Technical Lead, Air Force Lifecycle Management Center (AFLCMC)**
Sensors Open Systems Architecture (SOSA) Overview

1400 – 1445 **Mr. Chris Miller, SES, Assistant Deputy Chief of Naval Operations for Information Warfare, OPNAV N9B**
Naval Contribution to the Joint Warfighting Concept

1445 – 1455 *BREAK*

1455 – 1540 **Mr. Gregory Torba, Deputy Director, USAF A2/6L**
HAF A2/6L equities

1540 – 1625 **Col Dave Burton, Senior Military Acquisitions Advisor, USMC**
USMC JADC2 Integration Challenges

1625 – 1710 **Mr. Tu Nguyen, Counterspace Analyst, National Space Intelligence Center**
Ms. Madison Webb, Intelligence Specialist, National Space Intelligence Center
Converging on Communications: A predictive assessment on adversary threats to SATCOM

Wednesday, June 7

0800 – 0900 Continental Breakfast and Registration

Session 4 – JADC2 Implementation

0900 – 0915 **Mr. Ken Dworkin, Board of Directors, AOC**
Opening Remarks

0915 – 0930 **Mr. Kevin J. Charlow, Deputy Executive Director, Naval Information Warfare Center, Atlantic**
NIWC LANT Welcome

0930 – 1015 **Mr. Kurt Reese, Director, Joint Tactical Networking Center**
JTNC Overview

1015 – 1035 **Ms. Kathleen M. Klinar, JTNC Data Management & Capability Characterization Lead, Naval Information Warfare Center (NIWC) Atlantic**
Joint Communication Marketplace Demo

1035 – 1045 *BREAK*

Session 5 - Cyber/EW Advanced Technology

1045 – 1130 **Mr. Michael “Dutch” Ducharme, NRO Rep to USCYBERCOM**
Advanced Mission Capabilities

1130 – 1200 **Ms. Brooke Belcher, NSA**
Mr. Erik Endres, NSA
Patriots in Space

1200 – 1300 *LUNCH*

Session 6 – Cyber/EW Operational Successes/Challenges

1300 – 1345 **Col Eric “EP” Paulson, Vice Commander, 350th Spectrum Warfare Wing, Eglin AFB**
SWW Update

1345 – 1430 **Mr. Harold Katz, Senior Naval Intelligence Manager for Information Warfare, US Navy**
Worldwide: Naval and Maritime Cyber/EW Convergence

1430 – 1445 *BREAK*

1445 – 1530 **Mr. Lincoln Leibner, Director, Special Projects, U.S. Fleet Cyber Command/U.S. Tenth Fleet**
SKYLARK: Convergence Indeed

1530 – 1615 **Mr. Zechariah Weaver, Senior Cybersecurity Analyst, Scientific Research Corporation**
Effects of PAI on JADC2 in a Cyber/EW Converged Environment

1615 – 1645 **Open Q&A Discussions**

Thursday, June 8

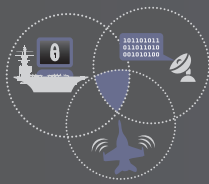
0800 – 0900 Continental Breakfast and Registration

Session 7 – Cyber/EW Advanced Technology

0900 – 0905 **Mr. Ken Dworkin, Board of Directors, AOC**
Opening Remarks

0905 – 0950 **RADM (Ret.) Steven Parade, Executive Director, Navy Cyber Warfare Development Group**
Keynote

0950 – 1035 **Dr. Michael Zatman, Transformational Projects Office, Johns Hopkins University Applied Physics Lab**
Challenges of Command & Control of EW in Multi-Domain Operation



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All Sessions at TS/SCI Classification

- 1035 – 1045 *BREAK*
- 1045 – 1130 **Dr. Nathaniel Husted, Chief Scientist for Cyber and EW Technologies, Naval Surface Warfare Center, Crane**
Schrödinger's Cyber Operation: EMSO in the Cyberspace Domain
- 1130 – 1215 **Dr. Jon Ward, Electronic Warfare Engineer, The Johns Hopkins University Applied Physics Laboratory**
EW/Cyber IRAD Demonstration and Methodology
- 1215 – 1315 *LUNCH*

Session 8 – Cyber/EW Advanced Technology

- 1315 – 1400 **Captain Max E. Schlessel, Offensive Cyberspace Operations Capabilities Integration Officer, USMC**
CWO Jeff Jamrok, Offensive Cyber Warfare Officer, Deputy Commandant of Information, USMC
Policy, TTPs and Concepts of Employment for Expeditionary Cyberspace Operations
- 1400 – 1415 *BREAK*
- 1415 – 1500 **Dr. Joseph Liberti, Principal Chief Scientist, Peraton Labs**
LPx Ultrawideband Communications
- 1500 – 1545 **Mr. Joe Luker, SME in engineering ISR, C-ISR, & DEW systems, NIWC Atlantic**
Naval Threats and RF Technologies to Overcome Them
- 1545 – 1600 **Mr. Rich Nelson, Palmetto Roost Chapter President**
Conference Closing Remarks

NETWORKING OPPORTUNITIES

Monday, June 5 | 5:30 – 7:30 PM

Welcome Reception

Sponsored by Norseman

Commonhouse Ale Works

4831 O'Hear Avenue, North Charleston, SC 29405

Tuesday, June 6 | 6 – 8 PM

Networking Reception

Sponsored by SRC

Harbour Club at WestEdge

22 Westedge St Suite 700, Charleston, SC 29403

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this event possible!

Title



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