INFORMATION WARFARE PAVILION
EXHIBITOR'S HANDBOOK

The WEST 2025 Theme is: "The Future is Now: Are We Advancing Operational Capabilities That Pace the Threat?"

Dates: 28 – 30 January 2025

Location: San Diego Convention Center
111 West Harbor Drive, San Diego, CA 92101

Navy Information Warfare Pavilion # 206
Navy Information Warfare Theater # 230

MEDIA PRESENCE AND SECURITY

This is a **public forum** with media and un-cleared persons in attendance.

Under no circumstance should you discuss classified/CUI/NOFORN information.

When speaking with attendees at the booths or participating in panel discussions, treat every conversation as if it is "**on the record**," to prevent spillage of sensitive or classified information.

DoD Directive 5230.09 "Clearance of DoD Information for Public Release"
SECNAVINST 5720.44A, "Department of the Navy Public Affairs Policy and Regulation"
SECNAVINST 5239.3A, "Department of the Navy Information Assurance Policy"
SECNAVINST 5211.5E, "Department of the Navy Privacy Act Program"
DD Form 2923, SEP 2019, "Privacy Act Data Cover Sheet"
SECNAVINST 3070.2A, "Operations Security"

A message from the IBoss Vice Admiral MikeVernazza

Commander, Naval Information Forces

To all participants of the 2025 WEST Navy Information Warfare Pavilion,

Thank you for being here, and thank you for your dedication and expertise as we gather for WEST 2025. As the premier naval conference on the West Coast, WEST offers us an unparalleled platform to demonstrate Navy IW capabilities to our partners in industry, government, and academia. Each interaction you have here deepens our collective understanding of IW's critical role in Navy operations, fostering collaboration and connections that extend far beyond this three-day forum.

Your role in the IW Pavilion goes beyond showcasing technology; you represent the heartbeat of the Navy's IW mission. I am incredibly proud of the more than 60,000 IW warfighters around the globe – your participation in our Pavilion showcases those critical missions to the tens of thousands of WEST attendees. For those leading demonstrations and speaking in our engagement zones, your insights provide invaluable perspectives on the complex demands Navy IW faces today and into the future. The conversations and exchanges of ideas over the next few days underscore our deep commitment to meeting these shared challenges.

Information Warfare touches every single domain of modern warfare. From the seabed to space, IW enables every mission and amplifies every capability across naval, joint, and allied operations. It is the engine behind our communications, the guard protecting our networks, and the intelligence informing our actions. Quite simply, without Information Warfare, there is no warfighting. Whether it's ensuring seamless command and control, enabling battlespace awareness, or delivering integrated fires, IW is the foundation of our Navy's ability to operate and win in today's fight and prepare for tomorrow's. As we face emerging threats, IW's role only grows in importance, ensuring our fleet remains agile, resilient, and combat-ready.

To our IW Sailors and civilians, know that you are a vital part of this effort. Many of our visitors will look to you as the face of Navy IW, eager to hear about your experiences and the impact IW has across all warfare domains. These authentic connections humanize our mission and showcase the critical capabilities we bring to bear.

Each year, I am continually impressed by the IW Pavilion's growth in scale, complexity, and impact. Your dedication to planning and executing this event ensures that IW remains at the forefront of naval innovation and fleet readiness. Thank you for your hard work and enthusiasm in making WEST 2025 a success. Together, we are shaping the future of Navy IW and our enduring ability to compete, deter, and win!

I look forward to the inspiring teamwork and learning that lies ahead.

v/r, Mike

Mike Vernazza
Vice Admiral, United States Navy
IBoss and Commander, Naval Information Forces

General Information

Co-sponsored by AFCEA International and the U.S. Naval Institute, WEST is the premier naval convention, conference, and exposition on the West Coast. WEST 2025 will mark the 34th anniversary of bringing U.S. Military and Department of Defense Industry leadership together for collaboration and coordination of projects.

In addition to the main program, WEST offers two Engagement Theaters and our own Information Warfare Theater. These smaller, and more intimate venues, allow military, government, and industry professionals to engage deeper into specific topics, issues, and visions. More information about WEST speakers and panel presentations is available online: https://www.westconference.org/West25/Public/Speakers.aspx?&ID=110810&sortMenu=102002

Registration/Badge Pick-up:

All speakers, exhibitors, and attendees must have a conference badge in order to enter the exhibit hall. If your name was provided on the bulk registration list for your command, you have been pre-registered. You may pick up your badge in the registration area in Hall D lobby of the Convention Center.

Individual registration:

Registration and Exhibit Floor Hours:

Installation		Exhibit Hours	
Sunday, 26JAN2025	0800 - 1630	Tuesday, 28JAN2025	0915 - 1700
Monday, 27JAN2025	0800 - 1630	Wednesday, 29JAN2025	0915 - 1700
		Thursday, 30JAN2025	0930 - 1230
Registration			
Sunday, 26JAN2025	1200 - 1700	Dismantling	
Monday, 27JAN2025	0700 - 1700	Thursday, 30JAN2025	1415 - 2000
Tuesday, 28JAN2025	0700 - 1700	Friday, 31JAN2025	0800 - 1200
Wednesday, 29JAN2025	0700 - 1730		
Thursday, 30JAN2025	0630 - 1230		

Health and Safety Plan

AFCEA International and the U.S. Naval Institute are committed to holding a rewarding WEST 2025 conference at the San Diego Convention Center in San Diego, CA on January 28-30, 2025. In the interests of participants' health and well-being, our plan will adjust to reflect guidance from the Centers for Disease Control and Prevention (CDC), the San Diego Convention Center, federal, state, and local authorities at the time of the event.

At this time there are no specific requirements in place, and we will not ask attendees for information regarding vaccination status. This policy may be updated or adjusted based on local health trends.

While current masking requirements have been relaxed in California and are not currently required, you are more than welcome to wear a mask if that makes you feel more comfortable.

General Rules for IW Pavilion Participants:

- Remember that you are representing your command, code, system/program, and the Navy Information Warfare Community.
- Be prepared and eager to elaborate on your system/program and how it relates and supports Information Warfare.

- Limit the use of personal electronic media devices during the conference to low traffic periods, and never while interacting with attendees.
- No further visual aids can be affixed to any part of the Information Warfare Pavilion without prior approval of exhibit coordinators.
- Vendors should not ask other vendors for giveaways; interaction is encouraged, but giveaways are provided for attendees.
- Refrain from eating in the exhibit during open hours.

Uniform/Dress Code:
Attendees: For all WEST events, professional business attire is suggested. Military personnel are encouraged to wear the appropriate uniform of the day.
Speakers: The uniform for military speakers in the large plenary sessions is khakis with ribbons (USN), Service B "Bravos" (USMC), or Tropical Blues (USCG). Navy speakers in the IW Pavilion series will wear khakis. Civilian presenters are encouraged to wear equivalent professional business attire. Sailors at the front table in the IW Pavilion may wear NWUs.

Convention Center Parking:
A limited amount of parking is available onsite at the San Diego Convention Center. Price for parking is $20 per day, to include installation days. Additional information about area parking is available online. Car/van pooling is recommended whenever possible. Alternatively, there is a trolley line that stops at the Convention Center.

For more information pertaining to parking and transportation visit:
https://www.visitsandiego.com/parking
https://www.visitsandiego.com/attendees/getting-here-around

Wi-Fi Access SSID: WEST Password: WEST 2025

Press Kit:
A press kit, including leadership biographies, can be found at the following Google Drive link:
https://drive.google.com/drive/folders/1Jcovm6qgJIDaZDwWan8D4r4lpCaQyeTj

The point of contact for the press kit is:

Kara McDermott
703-869-6497
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Social Media:
- When updating your personal and official commamd social media accounts in reference to your presence at WEST 2025, you are encouraged to use the hash tag **#NavyIW** to assist in promoting the conference and the Navy's presence. Additional hashtags to use include:
  #InformationWarfare **#SeabedtoSpace**
  #FutureNavy **#NavyInnovates**
- Tag AFCEA International and U.S. Naval Institute social media entities, and use **#WEST2025**, to maximize social media reach.
- NAVWAR and NAVIFOR Public Affairs officers will be onsite to use their commands' official platforms for social media posts throughout the conference. Exhibitors should be prepared to participate in this form of engagement to better highlight your program, system or demonstration.
- Whenever possible, cross-promote other IW commands on social media to show the scope of the IW Community presence at WEST 2025.

WEST Mobile App:

- You can download the AFCEA/ USNI WEST 2025 Mobile App through iTunes or Google Play Store. The app will contain the latest information pertaining to the schedule and speakers.

Apple: https://apps.apple.com/us/app/afcea-usni-west-2025/id6739226260
Android: https://play.google.com/store/apps/details?id=a2z.Mobile.Event6495&pli=1

Navy Information Warfare Pavilion

The Navy Information Warfare pavilion, now in its sixth year at WEST, highlights the Navy's commitment to warfighting and the warfighter, now and in the future. Subject matter experts from Naval Information Forces Command (NAVIFOR), the Office of the Deputy Chief of Naval Operations for Information Warfare (N2N6), Fleet Cyber Command/U.S. 10th Fleet, Naval Information Warfare Systems Command (NAVWAR), and many others will be on-hand to meet with attendees and highlight current technologies utilized by the fleet.

The Information Warfare mission is to "defeat any enemy using Assured Command and Control, Battlespace Awareness, and Integrated Fires to achieve Freedom of Maneuver across all warfighting domains." The IW Community is comprised of approximately 63,000 professionals, including officers/enlisted, active/reserve, and civilians. IW capabilities include Communications, Cyber, Intelligence, Cryptology, Meteorology, Oceanography, Electronic Warfare, and Space.

The Information Warfare Pavilion features several components:

1) Information Warfare Theater
2) Engagement Zones
3) Information Warfare Enterprise Table
4) Demonstrations
5) Video Wall
6) Meeting Rooms

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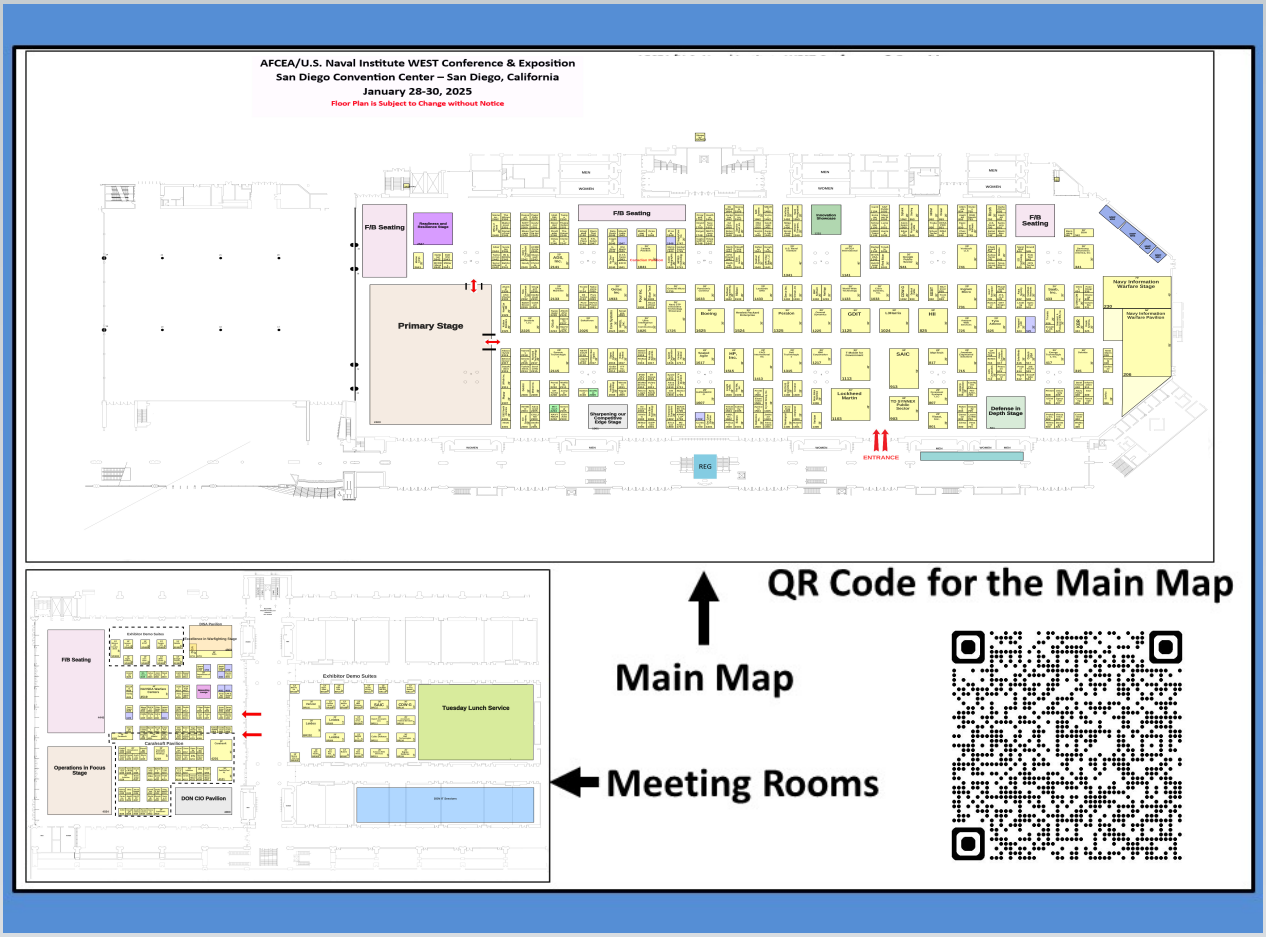
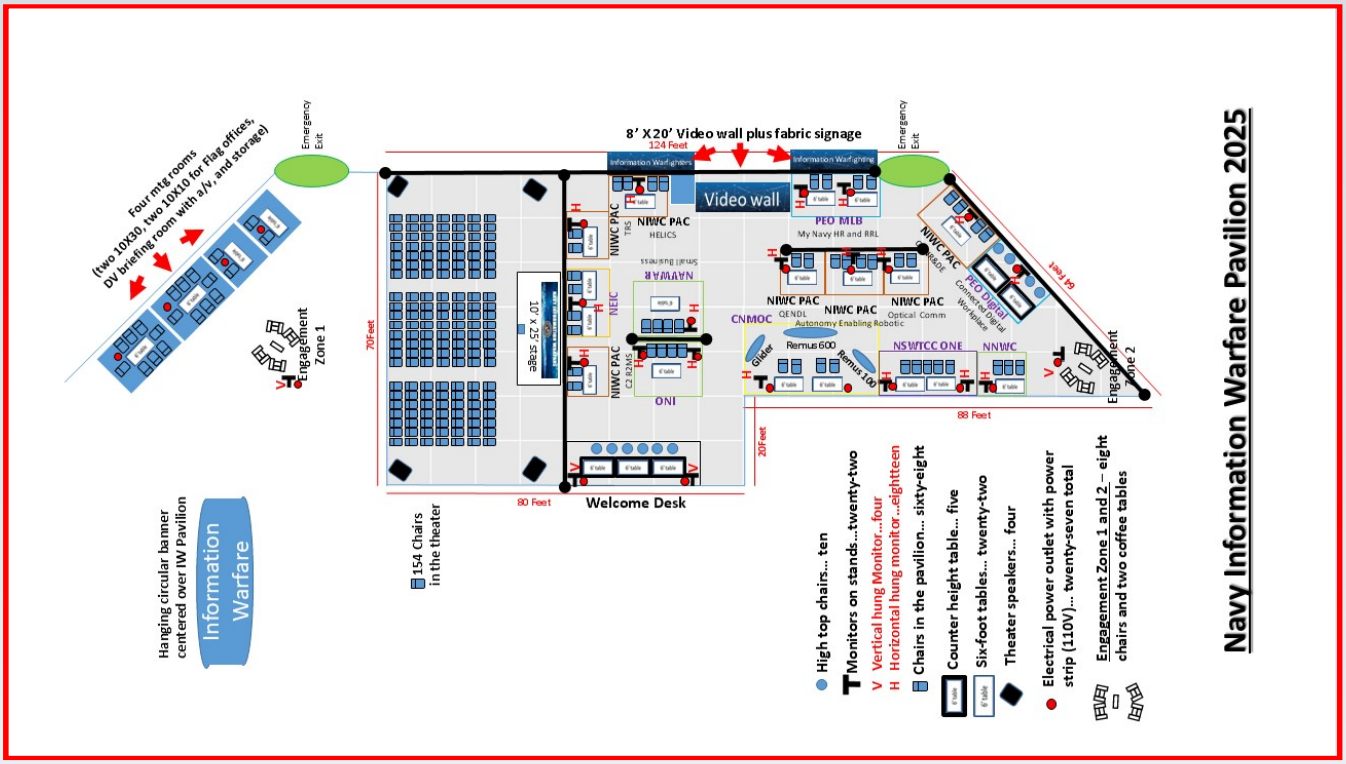
WEST 2025 Floor Plan

Navy Information Warfare Pavilion # 206
Navy Information Warfare Theater # 230





Navy Information Warfare Pavilion Welcome Booth Schedule

Time Slot	Booth Watch Stander
Tuesday, Jan. 28	
0915 -1700 IWTG San Diego	1. LTJG Nick Wilhite 2. LTJG Leif Rouser 3. CTTCS Drew Watson 4. CTTC James Palmer
Wednesday, Jan. 29	
0915 - 1030 NCTS San Diego	1. CWO3 Kwelisha Jackson 2. ET2 Jonathan Talbert 3. IT2 Alanna Robinson 4. ITSN Jordan Carroll
Thursday, Jan. 30	
0930 - 1230 FWC San Diego	1. LT Shannon Knowles 2. AGAN Michael Moore

Navy Information Warfare Theater Speaker Schedule

Time Slot	Speaker
Tuesday, Jan. 28	
1300 - 1345	VADM Mike Vernazza
	Commander, Naval Information Forces
1400 - 1445	VADM Craig Clapperton
	Commander, Fleet Cyber Command / Commander Navy Space Command / Commander, U.S. TENTH Fleet (FCC/C10F)
1500 - 1545	Ms. Jane Rathbun
	Department of the Navy Chief Information Officer (DON CIO)
1600 - 1645	RADM Nick Homan
	Commander Fleet Information Warfare Command – Pacific / Director Maritime Information Warfare – U.S. Pacific Fleet
Wednesday, Jan. 29	
0930 - 1015	VADM Karl Thomas
	Deputy Chief of Naval Operations for Information Warfare, N2N6 / Director of Naval Intelligence
1030 - 1115	RADM Mike Brookes
	Commander, Office of Naval Intelligence
1330 - 1415	RDML Brian Harding
	Commander, Naval Information Warfighting
1430 - 1515	RDML Mike Brown
	Director for Operations in the Information Environment, OPNAV N2N6
1545 - 1630	Mr. John Pope
	Executive Director, Naval Information Warfare Systems
Thursday, Jan. 30	
0930 – 1015	CAPT Erin-Michelle Ceschini
	CO, Fleet Weather Center San Diego
1100 - 1200	Panel: "Information Warfare from the Operational Level"
	Moderated by Ms. Tami North, Director of Information Warfare Readiness, Naval Information Forces
	CAPT Erin-Michelle Ceschini, CO, Fleet Weather Center San Diego
	CAPT Matt Cegelske, CO Hopper Global Communications Center
	CAPT Blythe Blakistone, Information Warfare Commander, CCSG3
	CAPT Kelvin McGhee, Commanding Officer, Naval Network Warfare Command (NAVNETWARCOM) / Task Force 1010

Navy Information Warfare Pavilion Engagement Zone Schedule

The Information Warfare Engagement Zone is an opportunity for conference attendees to meet informally with various program managers, business portfolio managers, technical directors, senior scientists and engineers as well as subject matter experts.

WEST 2025 NAVY INFORMATION WARFARE PAVILION ENGAGEMENT ZONE SCHEDULE

Tuesday, Jan. 28

Time Zone	Office/Organization	Representative
0930 – 1030	**Zone 1:** ONI/Executive Director of ONI's Farragut Technical Analysis Center	Mr. Leo Mendez
	Zone 2: NIWC Pacific/C5ISR Senior Scientific Technical Manager	Mr. Raffianne Doyle
1030 – 1130	**Zone 1:** NIWC Pacific/COSMOS Project Manager	Ms. Heather Heben
	Zone 2: PEO C4I/Technical Director	Dr. Robert Parker
1330 – 1430	**Zone 1:** NIWC Pacific/Deputy Chief Engineer	Mr. Ritesh Patel
	Zone 2: NAVWAR/Human Systems Integration	Ms. Ana Borja
1430 – 1530	**Zone 1:** NAVWAR/NAVWAR HQ Mission Engineering Department	Mr. Robert Weaver
	Zone 2: NIWC Pacific/ Communications and Networks Department Head	Mr. Mike Winslow
1530 – 1630	**Zone 1**: NAVWAR/HQ Cybersecurity Department Head	Mr. Duane Phillips
	Zone 2: NIWC Pacific/ Senior Scientific Technical Manager for Cybersecurity Engineering	Mr. Phil Juarez

WEST 2025 NAVY INFORMATION WARFARE PAVILION ENGAGEMENT ZONE SCHEDULE

Wednesday, Jan. 29

Time Zone	Office/Organization	Representative
0930 – 1030	**Zone 1:** N/A	
	Zone 2: U.S. Naval Meteorology and Oceanography Command	Captain Erin Ceschini
1030 – 1130	**Zone 1:** PEO C4I/DPEO Acquisition Management	Ms. Lisa Haney
	Zone 2: Deputy Oceanographer	Dr. Christopher Ekstrom
1330 – 1430	**Zone 1:** NAVWAR/HQ Mission Assurance Department Head	Mr. Mitch Seime
	Zone 2: PEO C4I/ PEO C4I Strategic Advisor	Dr. Sarah Burnett
1430 – 1530	**Zone 1:** N/A	
	Zone 2: U.S. Naval Meteorology and Oceanography Command	Captain Mike Svatek
1530 – 1630	**Zone 1**: PEO C4I/Innovation Lead	Captain David Gast
	Zone 2: PEO C4I/Warfighting Readiness Officer	Captain David Kuhn

Information Warfare Enterprise (IWE)

Information Warfare (IW) is a warfighting discipline, a set of warfighting capabilities, and an enabler for all Navy mission areas. It underpins EVERY warfighting domain from sea to land, to air, to undersea, to cyber, to space. The Information Warfare Enterprise (IWE) operates within existing command structures to facilitate force-wide efficient use of resources and promote enhanced coordination and collaboration among stakeholders. It provides organizations, both within and outside the IW Community, a forum to address and solve issues that could not otherwise be effectively resolved without cross-organization collaboration. From this forum, the IWE is able to set and advance naval IW priorities, including the allocation of resources and streamlined decision making based upon a foundation of metrics comprising actionable data and information.

IWE Construct

The IWE mission is to advance, align, deliver, support, and sustain IW capabilities that enable combat-credible forces today and into the future. Membership at the Executive Committee level is the Commander, Naval Information Forces (COMNAVIFOR); Deputy Chief of Naval Operations for Information Warfare (DCNO for IW); and Commander, Naval Information Warfare Systems Command (COMNAVWARSYSCOM). The real work of the IWE is conducted through a Board of Directors led by the NAVIFOR Deputy Commander, and members representing resource sponsors (OPNAV), systems commands (SYSCOMs), program executive officers (PEOs), type commands (TYCOMs), and Fleet stakeholders. Its construct is built upon four strategic pillars – Ensure IW Readiness, Advance IW Capabilities, Align and Integrate IW, and Enable Mission Partner IW.

Ensure IW Readiness

Deliver agile and effective IW capabilities that outpace the threat's technical advances and remain relevant into the future.

Advance IW Capabilities

Deliver agile and effective IW capabilities that outpace the threat's technical advances and remain relevant into the future.

Align and Integrate IW

Ensure IW capability areas, stakeholders, platforms, and prioritized requirements align internally and with external Naval Enterprises to integrate IW capabilities across multiple warfare domains.

Enable Mission Partner IW

Support IW development of key allies to expand the reach and lethality of our collective forces across the globe. With IW capabilities, our robust constellation of allies and partners will remain a critical strategic advantage over our competitors.

Navy Information Warfare

- Information Warfare capabilities and expertise have never been more in demand than they are today. Simply put, IW plays in a role in every Navy mission, everyday around the globe.
- IW has become integral to Fleet and Joint operations at all levels of war and plays a role in every warfare domain - and is a warfighting domain in its own right. With IW, the Navy can stay in competition, and if called upon, win the fight tonight and any future fight.

- IW supports strategy across the competition: from day-to-day competition, to crisis, and during conflict. Combined with the capabilities of our allies and partners, IW links distributed forces together, allowing us to communicate, and to command and control forces while in peacetime, competition or conflict. Our IW capabilities, combined with that of our robust constellation of allies and partners, will remain a critical strategic advantage over our competitors.
- Professional, highly trained information Warfare Sailors and civilians are our greatest weapons system and our asymmetrical advantage. The nearly 20,000 talented and highly capable men and women of Navy IW are at the core of every mission, every day, around the globe.
- To meet increased Global security demands for Information Warfare capabilities, we must build and maintain strong partnerships with industry, academia and our strategic international allies and partners.
- Before and during conflict, Information Warfare links distributed forces together. It helps deliver a warfighting advantage by closing the kill chain faster. It delivers the resilient web that connects sensors, command and control nodes, platforms and weapons.
- A core element of modern naval power, Information Warfare is the integrated employment of Navy's information-based capabilities (Communications, Cyber, Intelligence, Cryptology, Electronic Warfare, Oceanography, Meteorology, and Space) to degrade, deny, deceive, or destroy an enemy's information environment and to enhance the effectiveness of friendly operations.

COMMAND TALKING POINTS

Naval Information Forces (NAVIFOR)

- VADM Mike Vernazza leads the Navy's Information Warfare (IW) community.
- Naval Information Forces' command mission: We generate, directly and through our leadership of the Information Warfare Enterprise (IWE), agile and technically superior manned, trained, equipped, and certified combat ready IW forces to ensure our Navy will decisively DETER, COMPETE, and WIN.
- As the IW TYCOM, NAVIFOR delivers IW readiness for fleet, naval and joint operational commanders by organizing, manning, training, equipping, and certifying IW forces. NAVIFOR directs 595 military and civilian employees to generate IW readiness across the fleet, with direct administrative control of 99 commands and activities comprised of 20,000 people across the globe.
- The Information Warfare Community was formed in 2009, and is comprised of naval professionals from the officer and enlisted ranks. IW specialties include: Cryptologic Warfare Officers (CWO) & Cryptologic Technicians (CT), Information Professional (IP) Officers & Information Technology Specialists (IT), Intelligence (INTEL) Officers & Intelligence Specialists (IS), Maritime Cyber Warfare Officers (MCWO), Cyber Warfare Engineers (CWE) & Cyber Warfare Technician (CWT), Meteorology & Oceanography (METOC) Officers & Aerographer's Mate (AG), and Maritime Space Officers (MSO) / Space Cadre. Including our civilian professionals, there are approximately 63,000 people assigned to the IWC.

OPNAV N2N6

- Vice Adm. Karl Thomas serves as the Deputy Chief of Naval Operations (DCNO) for Information Warfare (OPNAV N2N6), 69th Director of Naval Intelligence (DNI), and Deputy Department of the Navy Chief Information Officer (CIO) - Navy.

- As the DCNO, he reports directly to the Chief of Naval Operations.
- The OPNAV N2N6 team, on the staff of the Chief of Naval Operations in the Pentagon, manages the requirements, policies, and resources needed to provide the Navy the information warfare capabilities, programs, and people necessary for the conduct of naval and joint operations worldwide. N2N6 is the resource sponsor for Information Warfare programs.
- The DCNO and the N2N6 team manage a $9 billion annual portfolio that includes over 200 Navy programs, ranging from enterprise networks to intelligence, surveillance, and reconnaissance systems.
- As the DNI, VADM Thomas serves as the Secretary of the Navy's designated lead as one of the 18 members of the National Intelligence Community. The DNI reports directly to the Director of National Intelligence.
- As the Deputy DON CIO (Navy), VADM Thomas serves as the CIO for the Navy service, reporting to the Department of the Navy Chief Information Officer.

U.S. Fleet Cyber Command (FCC) / Navy Space Command) NAVSPACE) / U.S. 10th Fleet (C10F)

- Vice Adm. Craig Clapperton leads FCC and NAVSPACE, which report directly to the Chief of Naval Operations as Echelon II commands, and are responsible for Navy information network operations, cyberspace operations, space operations, and cryptologic/signals intelligence.
- FCC serves as the Navy component command to U.S. Cyber Command and NAVSPACE to U.S. Space Command. The organization is also the Navy's Service Cryptologic Component reporting to the National Security Agency/ Central Security Service.
- FCC has been designated as the Joint Force Headquarters-Cyber (Navy) by U.S. Cyber Command to support U.S. Pacific Command, U.S. Southern Command and U.S. Forces Korea in the coordination, development, oversight, planning, and command and control of cyberspace operations that are executed through Combat Mission and Support Teams (part of the broad Cyber Mission Force).
- C10F is the operational arm of Fleet Cyber Command and executes its mission through a task force structure similar to other warfare commanders. In this role, 10th Fleet provides operational direction through the command's Maritime Operations Center located at Fort Meade, Maryland.
- Since its establishment on Jan. 29, 2010, FCC and C10F, along with NAVSPACE, established Jan. 1, 2023, has grown into an operational force composed of more than 14,000 Active and Reserve Sailors and civilians organized into 28 active commands, 40 Cyber Mission Force units, and 27 reserve commands around the globe.
- Fleet Cyber Command provides Assured C2, Battlespace Awareness and Non-Kinetic effects to the Navy and Joint Force.
- Cyber Mission Force
    - The Cyber Mission Force is designed to accomplish three primary missions: National Mission Teams will defend the nation against national-level threats, Combat Mission Teams to support combatant commander priorities and missions, and Cyber Protection Teams to defend Department of Defense information networks and improve network security.
    - The Navy teams are organized into existing U.S. Fleet Cyber Command subordinate commands at cryptologic centers, fleet concentration areas, and Fort Meade, depending upon their specific mission.
    - The Navy is responsible for sourcing four National Mission Teams, eight Combat Mission Teams, and 20 Cyber Protection Teams as well as their supporting teams consisting of three National Support Teams and five Combat Support Teams (40 out of a total of 133).

Naval Information Warfare Systems Command (NAVWAR)

- Rear Adm. Seiko Okano leads the Naval Information Warfare Systems Command. NAVWAR identifies, develops, delivers and sustains information warfighting capabilities supporting naval, joint, coalition and other national missions.
- NAVWAR, along with its warfare centers, space field activity and its partnership with two program executive offices, provides the hardware and software needed to execute Navy missions.
- With more than 11,000 active duty military and civilian professionals located around the world and close to the fleet, NAVWAR is at the forefront of research, engineering and acquisition, keeping our forces connected around the globe.
- NAVWAR focuses on capable and secure communications and networks that span platforms and facilities across the entire Navy.
- With the development of standards, architectures and infrastructure, along with tactical and business applications, NAVWAR enables our sea and shore platforms and installations to operate effectively in cyberspace.
- Focusing on the Navy's information warfare needs, NAVWAR is charged to lead the execution of Project Overmatch and guide delivery of the Naval Operational Architecture that will provide information dominance, enabling faster decision-making and action to defeat any adversary.
- Project Overmatch is NAVWAR's top priority, requiring the development or upgrading of secure networks and communications, decision aids, tactical systems, and business systems, plus an array of supporting standards, architectures, and infrastructure to ensure Naval information readiness.

Areas of Expertise:

- Cybersecurity: ensure secure and robust information capabilities for our warfighter.
- Networks and Communications: provide accurate and timely information through voice, video and data.
- Warfare Systems: provide advanced warfighting capabilities for our naval forces.
- Business Systems: enable common business processes and ensure standard IT capabilities.

Program Executive Office Command, Control, Communications, Computers and Intelligence (PEO C4I)

- PEO C4I delivers threat-based C4I and space system capabilities to enable the fleet to compete, deter, and win tonight.
- PEO C4I is the key acquisition organization for Naval C4ISR and space capabilities, researching, innovating, and adapting to a dynamic cyber operational environment. It delivers integrated, tested, and supported standards for new and modernized capabilities across platforms and domains.
- PEO C4I supports the fleet by managing at the system-of-systems capability level to give warfighters what they need while executing at the program level to make the best use of resources.

Office of Naval Intelligence (ONI)

- RADM Mike Brookes is dual-hatted as the commander of the Office of Naval Intelligence (ONI) and the director of the National Maritime Intelligence-Integration Office (NMIO).
- ONI collects, analyzes and produces maritime intelligence and disseminates it rapidly to strategic, operational and tactical decision makers to meet national, DoD, Navy and Intelligence Community requirements.

- ONI delivers the war-winning maritime expertise and decision advantage the U.S. Navy needs to defend our nation, deter strategic attack and continuously create warfighting advantages. Its core functions include scientific and technical intelligence analysis; acoustic intelligence; naval warfare analysis; intelligence support to acquisition; civil maritime expertise; counternarcotics analysis; specialized intelligence operations; managing allied and foreign partnerships; and Navy JWICS/ sensitive compartmented information (SCI) communications.
- Established in 1882, ONI is America's oldest continuously operating intelligence organization, and its workforce of over 3,000 active duty and reserve military, civilian and contractor professionals is headquartered in Suitland, Maryland, and embedded alongside Navy, DoD, IC and allied partners worldwide.
- As a core element of the Navy's Information Warfare Community, ONI's capabilities strengthen the Navy's capacities across all warfighting domains and expand the United States' ability to adapt new technologies and future platforms, weapons, networks and sensors.

Naval Information Warfare Center (NIWC) Pacific – "Bringing the power of information to the fight"

- Naval Information Warfare Center (NIWC) Pacific is a full-spectrum research, development, test, and engineering laboratory providing information warfare expertise, products, and services to the Fleet by delivering cutting-edge technologies and rapid integration capabilities to warfighters.
- Technological breakthroughs and advancements are continuously achieved at NIWC Pacific, evidenced by the more than 1,000 invention disclosures, filed patent applications, and issued patents developed during the past five years.
- NIWC Pacific is proud of its workforce and the number of active-duty service members stationed at the command — one of the largest of any naval warfare laboratory or warfare center. This unique arrangement combines the Fleet and operational expertise of the warfighter with the skills of the laboratory's research staff. This advantage is further enriched by our partnerships with academia and industry to tackle real-world problems and adapt them into strategic technological advances for our joint forces, partners, and allies.
- Key Technical Capability Areas
  – Think Big – Envision and create game-changing capabilities
    - Basic and applied research with a focus on operational transitions in C4ISR, cyber and space
    - Artificial Intelligence/ machine learning, data science, and decision optimization
    - Quantum research for novel capabilities
    - Seabed to space systems

  – Go Fast – Agile innovation at the speed of relevance
    - Create and maintain decision advantage
    - Rapid prototyping and delivery
    - Software engineering and development: Agile, cloud-based, development, security and operations, digital twins, rapid delivery, over-the-air software delivery

  – Think Warfighter – Know the threat, mission and users
    - C4ISR and mission autonomy for unmanned systems
    - Command and control and battle management aids
    - Full lifecycle engineering and in-service support for IW capabilities
    - User-centered design and intuitive user experience
    - Navy Marine Mammal Program

  – Go Tough – Engineer systems to survive and win
    - Adaptable and resilient communications and sensing across the spectrum
    - Offensive and defensive cyber capability development
    - Development of advanced communications and networking technologies
    - Resilient command, control and communications

Program Executive Office for Manpower, Logistics and Business Solutions (PEO MLB)

- The Program Executive Office for Manpower, Logistics and Business Solutions (PEO MLB) is the Department of the Navy's manpower, logistics and business solutions information technology acquisition agent. The systems and solutions PEO MLB develops, acquires and delivers are the backbone enabling the DON's day-to-day administrative, business and financial operations. PEO MLB provides Sailors, Marines, DON civilians and their support systems with the services needed to complete their missions and tools to manage their careers.
- PEO MLB is a modern service delivery organization aligned around capability portfolios. This structure allows for a customer-focused, holistic approach to doing business by increasing efficiency, reducing duplication and improving collaboration.
- PEO MLB was established in May 2020 following the disestablishment of the Program Executive Office for Enterprise Information Systems to realize the vision of digital transformation and to optimize program alignment across the Navy and Marine Corps capability portfolios.
- MyNavy HR IT Solutions (PMW 240) provides material, technical, lifecycle and configuration management support for the DON Business Information Systems and Networks, delivering a $2B portfolio of integrated information systems, networks, and knowledge management solutions to the Total Force.
- RRL drives change and modernizes how the Navy trains its Sailors. It is the Navy's long-term investment to enhance Fleet mission readiness by continually improving Sailor performance and ensuring they have the knowledge and skills to compete and win across the spectrum of conflict. RRL focuses on delivering training to ensure Sailors are ready to operate and maintain their equipment at the extreme technical end of its capability to win the high-end fight.

Program Executive Office Enterprise Information Systems (PEO Digital)

- PEO Digital is the Department of the Navy's digital and enterprise services provider, connecting Marines and Sailors around the globe.
- PEO Digital leverages Agile methodologies and uses and an adaptation of the Technology Business Management framework to deliver digital and enterprise services in four primary solution areas including IT Platforms, IT Infrastructure, Digital Workplace, and Cybersecurity and IT Lifecycle in support of our mission to provide the Marine Corps and the Navy with a decisive information advantage through a modern, innovative, and secure digital experience – any data, anytime, anywhere.
- PEO Digital was established in May 2020 following the disestablishment of the Program Executive Office for Enterprise Information Systems. The realignment of Marine Corps and Navy programs positioned PEO Digital with more flexibility to provide information technology (IT) capabilities to a wide spectrum of users across the Department of the Navy (DON).

Commander, Naval Meteorology and Oceanography Command (CNMOC)

- Rear Adm. Ron Piret serves as Commander, Naval Meteorology and Oceanography Command, Oceanographer and Navigator of the Navy (OPNAV N2/N6E), and hydrographer of the Navy
- CNMOC mission is to exploit the environment to close kill chains and maximize Fleet safety, access, maneuver, and lethality. It accomplishes this mission by exploiting meteorology and oceanography effects and delivering decision superiority from sub-seabed to the stars.
- Department of Defense's (DOD) authoritative source for characterization, and applying data of the physical battlespace into winning decisions.
- CNMOC directs and oversees 2,900+ globally-distributed military and civilian personnel who collect, process, and exploit environmental information to assist Fleet and Joint Commanders in all warfare areas to make better decisions, based on assured environmental information, faster than the adversary.
- CTG 80.7 Command Center: Provides the Fleet a singular, authoritative source of current and predictive environmental information and data to enhance decision superiority.
- A Leader in Unmanned Systems: More than 20+ years of experience; Fleet 180+ unmanned systems; 24/7 Glider Operations Center.
- Global Modeling experts: Global, regional, and coastal environmental predictions; 24/7 high-performance computing center.
- Home to Navy DOD Supercomputing Resource Center (DSRC), the largest unclassified high-performance computing center in DoD.
- Provides the Fleet with four-dimensional physical battlespace operating picture, incorporating a vast collection of environmental data into physics-based, numerical weather and ocean prediction systems, development and dissemination of precise time star catalog and earth orientation information.

Naval Network Warfare Command (NAVNETWARCOM)

- Naval Network Warfare Command (NAVNETWARCOM) executes tactical-level command and control to direct, operation, maintain and secure Navy communications and network systems for Department of Defense (DoD) information networks, and leverages joint space capabilities for Navy and joint operations.
- Our vision is to optimize availability and security of Navy communications and network systems within the DoD Information Networks - Navy (DoDIN-N) capability to naval forces globally, and provide seamless, interoperable warfighting capacity that is operationally responsive, relevant, agile and tailored to meet fleet commanders' mission needs.

Navy Expeditionary Intelligence Command (NEIC)

- Navy Expeditionary Intelligence Command (NEIC) delivers flexible, capable and ready maritime expeditionary intelligence forces that respond rapidly to evolving irregular warfare area intelligence requirements. Intelligence teams supply expeditionary warfighters with timely relevant intelligence to deny the enemy sanctuary, freedom of movement and use of waterborne lines of communication while supported forces find, fix and destroy the enemy and enemy assets within the operational environment.

Naval Special Warfare Tactical Communications Command One (NSWTCC One)

- Naval Special Warfare Tactical Communications Command One (NSWTCC One) is a unit that provides communications for the United States Navy's Naval Special Warfare (NSW). NSWTCC One is responsible for maintaining and improving tactical communications capabilities for the NSW Group 1.

Demonstration Descriptions

The following table contains a listing of the demonstrations in the Navy Information Warfare Pavilion:

WEST 2025 NAVY INFORMATION WARFARE DEMONSTRATIONS & DESCRIPTIONS		
Demonstration Name	**Demonstration Provider**	**Demonstration Description**
Static Display Glider	Naval Meteorology and Oceanography Command (CNMOC)	Ocean gliders are Autonomous Underwater Vehicles (AUV) used by scientists and professionals around the world (academia, oil and gas industry, military, etc.) to collect a variety of oceanographic data in an effort to better understand the ocean water column in specific locations for different purposes. The Naval Oceanographic office (NAVOCEANO) primarily uses Slocum gliders, developed by Teledyne Webb Research Corporation. About 1.5 m (5 foot) long and 21 cm (6 inch) diameter, Slocum gliders resemble yellow model airplanes that operate underwater. Each glider is modular in design and buoyancy-driven, allowing it to collect oceanographic data in the water column for up to four months without the need for active propulsion. The NAVOCEANO glider fleet is the largest in the world. The U.S. Navy established Littoral Battlespace Sensing-Gliders (LBS-G) as a program of record in 2010 and has been using these gliders operationally since about 2012. Today NAVOCEANO employs a fleet of LBS gliders across the globe intending to have one-third deployed operationally, while the remaining are either transit or undergoing maintenance or repair. Additionally, NAVOCEANO operates a number of Systems Hosting Autonomous Remote Crafts (SHARC), variants of the Liquid Robotics Inc. Wave Glider.
Static Display Remus 100	Naval Meteorology and Oceanography Command (CNMOC)	The Naval Oceanographic Office (NAVOCEANO) enlists several types of autonomous underwater vehicles in its data collection efforts. The Remote Environmental Measuring Units (REMUS) 100 was designed with the Woods Hole Oceanographic Institution with Office of Naval Research funding to support the U.S. Navy's shallow water operations. Presently, the system is

		manufactured by Hydroid, Inc. REMUS 100 is man-portable, free-swimming, programmable and redirectable. This AUV is capable of conducting preprogrammed, independent operations from a host platform or shore facility. It can dive to 100 meters, has integrated physical oceanography and bottom-mapping sensors and is particularly well-suited for mine warfare support.
Integrated Fires Project for Rapid Recreation into Modeling and Simulation (R2MS) tool	(NIWC Pacific Department) C2	The NIWC PAC Integrated Fires Team has developed the Rapid Recreation into Modeling and Simulation (R2MS) tool, which enables the creation of realistic and relevant LVC warfighting scenarios by automating the use of real-world data. This tool allows for the creation of high-fidelity real-world scenarios in just minutes verses hours or days. By using intelligence, surveillance, and reconnaissance (ISR) type source data, R2MS provides accurate and configurable mapping of observed aircraft and vessel types to simulation models. Currently, R2MS supports modeling of air and surface entities in the Next Generation Threat System (NGTS) and Joint Semi-Automated Forces (JSAF), the primary Navy distributed training simulation.
NIWC PAC paves the way for Modern Cloud and Software Development - Projects - NR&DE Cloud, OSA, COSMOS, HPCC, ION	(NIWC Pacific Department) C2	NIWC Pacific has paved the way for the Navy in modern cloud and software development. From traditional government cloud development offerings like NRDE Cloud, to the newest cutting edge cloud native offerings of COSMOS, NIWC Pacific has cloud engineering expertise supporting the unique navy mission. In addition, NIWC Pacific provides modern computing environments with the HPCC to provide high performance compute environments for S&T that augment the cloud offerings. Finally, to enable modern software development in this ecosystem, NIWC Pacific's Overmatch Software Armory and ION environments provide the tooling and support needed for Navy software developers. Working as

		a close knit team, all of these projects provide a cloud and software ecosystem that has enabled the navy to achieve agile software development.
Tactical Receive Segment (TRS)	(NIWC Pacific Department) ISR	Demo will showcase different displays of IBS data that is available to the user using the Tactical Receive Segment (TRS) software suite. One screen will show a unfiltered set of data on Dashboard Data Viewer map. One will show a filtered data set on ENCORE, a web-based TRS application, in 3D space. All data will be simulated, at the unclassified level. Goal is to demonstrate heightened situational awareness for the user as well as ease of use of the TRS software.
HELICS	(NIWC Pacific Department) Cyber S&T	Description: Hyperledger Enhanced Layered & Integrated Cyber Security (HELCIS) is a novel approach to redefining cybersecurity continuous monitoring. HELICS aims to solve continuing issues and inefficiencies revolving around continuous monitoring, secure configuration management, cyber maintenance, and incident response by leveraging industry adopted hybrid-blockchain technologies. HELICS can continuously monitor a system, record the secured state configuration in an immutable ledger and respond to cyber threats in real-time.
Autonomy Enabling Robotic Shipboard Support	(NIWC Pacific Department) Cyber S&T/Fleet Install	This demonstration is intended to showcase various autonomous capabilities to include 3D scanning and follow me functionality with a robotic entity. The demonstration will show a video loop of an autonomous robotic shipboard support capability on one monitor and a live feed from a robot on another monitor. If room is available, the demonstration can also show a remote operated robot walking the conference floor. NOTE: To support the demonstration as summarized, the following items are requested: a table, two large monitors, cordoned off space for robot (10m x 10m is optimal; 5m x 5m is acceptable), and permission from the conference organizers to walk the floor with the robot.
Quantum Engineered Nano Devices Laboratory (QENDL)	(NIWC Pacific Department) Comms & Nets	Fully motorized 2D and quantum material heterostructure transfer system [custom-designing atomic-scale LEGO for future

		advanced sensors] Ultra-High Vacuum (UHV) Pulsed Laser Deposition (PLD) Chamber for Quantum Materials Synthesis [using laser pulses to make atomic-scale materials layer-by-layer in vacuum] - Cryogenic probe station for rapid prototyping of material and device properties [electrical, optical, magnetic] - Glove box to work with air-sensitive materials
Optical (Laser) Communication and Atmospheric Propagation	(NIWC Pacific Department) Comms & Nets	Laser comm demo to show the main considerations for atmospheric propagation of electro-optical communication systems.
- Naval Intelligence (NAVINTEL) Cloud Ecosystem (NCE) - ONI Repository for Characterization of the Adversary (ORCA) - Worldwide Archive to Establish Trends (WARCHEST)	Office of Naval Intelligence (ONI)	The **Naval Intelligence (NAVINTEL) Cloud Ecosystem (NCE)** is a secure, multi-domain (NIPR, SIPR, JWICS) environment in the cloud that provides automated infrastructure, enterprise shared services, security services, DevSecOps continuous integration/ continuous deployment pipeline, and a platform-as-a-service. With feature parity across all three domains, NCE will allow mission business owners (MBOs) to "develop low, deploy high," while providing significant inherited cybersecurity controls, minimizing the accreditation requirements for each MBO. NCE enables MBOs to develop capabilities securely to analyze and respond to current and evolving threats, scale computing power based on demand, and develop and release new capabilities into production quickly, leveraging commercial cloud best practices. The **ONI Repository for Characterization of the Adversary (ORCA)** is a Naval Intelligence (NAVINTEL) mission application—a cloud-native knowledge environment designed to host intelligence data in the cloud and automate the delivery of threat intelligence. Near-term, ORCA supports and streamlines the Naval Intelligence Data (NID) workflow, enabling consumers around the world to access vital intelligence in a structured and secure cloud environment via web browser. Longer term, ORCA will integrate with other tools and databases across the DoD and Intelligence Community, supporting modeling and simulation in a cohesive framework in both cloud-enabled and degraded/denied environments.

		The **Worldwide Archive to Establish Trends (WARCHEST)** is a Naval Intelligence (NAVINTEL) mission application designed and developed by ONI's Advancement of Robotics, Models, Algorithms, Data, and Analytics (ARMADA) to help analysts and decision makers rapidly validate and operationalize maritime mission behavior data. It makes data required to address requests for information faster, more secure, and ready for emerging AI/ML services through an n-tier, cloud-native solution. WARCHEST is both scalable for the global workforce and fully deployable to disconnected networks. WARCHEST is the first maritime intelligence app, pathfinder, and pacesetter for data modernization via ONI's NAVINTEL Cloud Ecosystem (NCE).
Providing edge solutions for NSW and Fleet integration in Contested Environments	Naval Special Warfare Tactical Communications Command ONE (NSWTCC ONE)	**Persistent Systems MPU5 Radio** - Advanced, scalable, and efficient Mobile Ad Hoc Networking (MANET) radio. Built to create powerful, secure networks anywhere, the MPU5 unites all critical data sources in real time – giving the confidence to make difficult decisions in the heat of the moment. **Silvus Technologies StreamCaster 4000 Series Radios** - SC4200EP is a 2×2 MIMO radio, delivering performance and efficiency in a miniature package. It is ideal for use in portable and embedded applications where size, weight, power, or cost are key. SC4400E delivers the power of 4×4 MIMO in a ruggedized package. SC4400E is ideal for use in fixed infrastructure, vehicular, long range, and airborne applications where maximum performance is desired. **Harris AN/PRC-167 Multi-Channel Manpack Radio** - The L3Harris Falcon® IV AN/PRC-167 Multi-channel Manpack harnesses the power of multiple tactical devices converged into a single manpack. The radio overcomes extreme distances, geographical barriers, and adversarial EW aggression to provide robust and simultaneous, fully redundant dual-channel connectivity. **Harris AN/PRC-163 Multi-Channel Handheld Radio** - The L3Harris Falcon® IV

		IV AN/PRC-163 delivers dual-channel crossbanding capabilities in a single, SWaP-optimized handheld. Equipped with Mobile Ad Hoc Networking (MANET) technologies including TSM-X™, ANW2 and others, the radio supports truly seamless and simultaneous networking for over 200 users. **Harris AN/PRC-160(V) Wideband HF/VHF Manpack Radio** - High Frequency manpack system meeting all NSA crypto-modernization standards. Its software-defined architecture allows encryption updates, so mission-critical information stays secure–today and into the future. **Technical Support Group AN/PRC-137H** - High Frequency Low Probability of Interception/Detection radio, utilizing application of Tactics, Techniques and Procedures along with technology to deny an adversary the ability to Detect, Intercept and Exploit signals of interest employed while operating in a non-permissible environment. **SATPAQ II** – Directional Antenna utilized to send free text messages any where in the world. It is paired with an Android device as the End User Device. Has Low Probability of Interception/Detection characteristics allowing it to work in contested environments. **STARSHIELD** – SATCOM antenna that provides IP services in remote locations, allowing Tactical Communicators to establish expeditionary operation centers around the world faster and more efficiently than with legacy equipment. **Shout Nano** – Blue Force Tracking device that uses Iridium Satellites to transmit date. Has the ability to send free text messages that can be seen by leadership at the JOC, allowing for real time operational decision making. **TRAX** – Application created by Sierra Nevada Corp, it allows for transmission of data over IP services to any COP in the world, primarily in the form of JREAP-C protocol. This allows for near real time tracking of targets of interest, as well as PPLI for operators in the field. Works as a plug-in with WINTAK. **KG250 XS** – Small form factor encryption device. Used in conjunction with a Satellite Deployable Node in remote locations to provide quick and light access to classified IP

		services. **Lightning Bolt Handheld Blue Force Tracker** - The system displays the location of the host vehicle on the computer's terrain-map display, along with the locations of other platforms. BFT can also be used to send and receive text and imagery messages.
Navy Expeditionary Intelligence Command collection capabilities	Navy Expeditionary Intelligence Command (NEIC)	Navy Expeditionary Intelligence Command (NEIC) delivers flexible, capable and ready maritime expeditionary intelligence forces that respond rapidly to evolving irregular warfare area intelligence requirements. Intelligence teams supply expeditionary warfighters with timely relevant intelligence to deny the enemy sanctuary, freedom of movement and use of waterborne lines of communication while supported forces find, fix and destroy the enemy and enemy assets within the operational environment. Within Navy Expeditionary Combat Command (NECC), NEIC provides tactical force protection/indications and warning intelligence collection, enabling Navy commanders to conduct missions across the full spectrum of expeditionary operations. With multi-intelligence, surveillance and reconnaissance (ISR) collection capabilities operating at the tactical level, NEIC has unique access to areas and environments - from blue to green water, the coastal littoral, and far inland - that are constrained by more traditional ISR assets. NEIC capabilities give expeditionary, maritime, joint and combined forces timely, relevant and actionable intelligence to deny the enemy sanctuary, freedom of movement, and use of waterborne lines of communication while enabling friendly forces to find, fix, and destroy the enemy within the operational environment.

Cloud Dashboard	Cyber Engineering Team (CET)	The CET curated the Navy Cloud Dashboard, which will allow flexibility to personnel conducting Cloud Operations to craft personalized dashboards, tailored to their specific needs, enabling visibility into the health and status of cloud infrastructure components. Moreover, the operators can easily share these dashboards for collaboration and incident management efforts.
Doing business with NAVWAR	Naval Information Warfare Systems Command (NAVWAR) - Small Business	Their mission is to foster acquisition opportunities where small businesses can best support Sailors, Marines and their families through policy, advocacy, counseling and training.
Ready Relevant Learning Multipurpose Reconfigurable Training System (MRTS) 3D	PEO MLB	Visit the RRL Multipurpose Reconfigurable Training System (MRTS) 3D booth for demonstrations of the MRTS 3D Flyaway Kit. MRTS 3D is a Navy training product that utilizes Commercial Off-The-Shelf (COTS) equipment to provide touchscreen interactive virtual simulation performance of maintenance, operations, and casualty response scenarios for various tactical equipment in undersea, aviation and surface platforms. MRTS 3D personnel will demonstrate features of the MRTS 3D for aviation, surface, and undersea platforms through touchscreen navigation and interactivity, while allowing attendees to interact with the MRTS 3D system.
MyNavy HR IT Solutions (PMW 240)	PEO MLB	Visit the MyNavy HR IT Solutions booth to learn about the new MyPersonal Relationships (MyPR) within Navy Personnel and Pay (NP2), which will replace NSIPS RED/DA in late February; and see live examples of our Navy App Locker (NAL) mobile apps and other, CAC-free solutions for Sailors and their families. NAL helps to streamline and improve their career management. Interactive demonstrations include the Navy's PRT App, COOL Credentialing, Enlisted advancement testing, Uniform app, Warrior Toughness, CNATRA HABIT wellness app for pilots and flight crew, and much more. Pick up postcards and brochures explaining the resources provided through the Navy App Locker, MyNavy Portal, and the Sailor Landing Page; and learn about the Authoritative Data Environment that forms the basis of the "single source of truth" regarding Sailors' personnel and administrative data and records.


UNITED STATES NAVY
INFORMATION WARFARE