



Navy Warfare Development Center Quarterly NEWSLETTER

FROM INNOVATION, A STRONGER FLEET

April / May / June 2023

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The Information Warfare Directorate's Red Cell supported fleet training, exercises, and war games. [more on page 3...](#)

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The creation and implementation of the fleet battle problem series offers a battle lab for intensifying warfighter learning. [more on page 3...](#)

N5A

The Joint Lessons Learned Information System transitioned to the next generation Navy and DOD system of record. This was the first major technical revision in over 15 years. [more on page 3...](#)

N5C

NWDC portal hosts fleet tactical documents such as Fleet CONOPS and Navy-wide operational tasks [more on page 3...](#)

N5D

Allied Doctrine led a delegation of U.S. personnel to participate in the annual Maritime Operations Working Group in Istanbul, Turkey. [more on page 3...](#)

NWDC Garners International Attention



Strengthening integrated deterrence with allies and partners is a key objective of the 2022 National Defense Strategy (NDS). As stated in the fact sheet for the 2022 NDS, "mutually-beneficial alliances and partnerships are an enduring strength for the United States, and are critical to achieving our objectives." With this in mind, Navy Warfare Development Center (NWDC) recently hosted leadership and guests from France, Ukraine, and Qatar spanning a wide breadth of subjects. [more on page 2...](#)

N5HSI

Flag/SES leadership addressed unresolved issues regarding command and control policies, roles and responsibilities, and force structure employment during the recent Health Service Readiness Conference. [more on page 4...](#)

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NWDC executed MAKO SENTRY 23-2 in support of Commander U.S. Pacific Fleet (CPF), Commander U.S. THIRD Fleet (C3F) and Commander U.S. SEVENTH Fleet (C7F) Navy Reserve Units. [more on page 4...](#)

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Fleet Experimentation is adopting an agile experimentation cycle for FY23 and the Navy's Fleet Experimentation program. [more on page 4...](#)

Strengthening alliances in FIFTH Fleet



Brigadier General (BG) Abudulla Al-Ammari, Commander, Qatari Armed Forces (QAF) concepts and doctrine center visited on Thursday, March 13, 2023 to discuss U.S. engagement strategies on Navy doctrine, concepts, training, exercises, and lessons learned.

The visit enhanced the relationship between U.S. and Qatar with an eye to help the QAF as they integrate their joint force in support of their recent designation by the U.S. Government as a Major Non-NATO ally.

Guest speaker shares his story of Ukraine's resilience and evolving strategies

Colonel Hennadiy Kovalenko, also known as Colonel "H," visited NWDC on Tuesday, March 17, 2023 where he shared Ukraine's resilience and strategy during the ongoing Russian-Ukrainian armed conflict. From the onset of the invasion, Col H has served in both operational and support roles. Recently, he has been responsible for coordinating international support and assistance within the framework of the Multinational Joint Commission (MJC) for Military Cooperation and Defence Reform.



During his visit to NWDC, Col H said, "Unity of the democracies is crucial for perpetual support of Ukraine in order to win the war and to maintain resilience." He highlighted the unprovoked Russian aggression against Ukraine, asserting that the "Russian-Ukrainian War calls for a new global security architecture and for reconsidering the roles of International/Regional/Sub-regional organizations." He conveyed the importance of Ukraine's post-war structural redevelopment and economic recovery for maintaining stability within the region. Col H concluded his brief with a heartfelt "thank you" to the United States for its continued support.

French Vice-Admiral Xavier Baudouard, Amiral commandant la Force d'action naval, visits NWDC

Vice-Admiral Xavier Baudouard, Amiral commandant la Force d'action naval, ALFAN, visited NWDC on Tuesday, March 21, 2023. Vice-Admiral Baudouard, NWDC Director Mr. Michael Durkin, and NWDC staff members conducted general conversations on the topics of doctrine, training, and qualifications. The visit helped strengthen relationships and reinforce understanding between the United States and France.

During the visit, Vice-Admiral Baudouard and his staff had the opportunity to take a tour of the Navy Center for Advanced Modeling and Simulation, one of the most sophisticated modeling and simulation development labs in the Navy.



N2: Information Warfare

The Information Warfare Directorate's Red Cell supported Fleet Training, Exercises and War Games by creating comprehensive adversary campaign plans, Concept of Operations (CONOPS), orders-of-battle, and after-action reports for multiple War Games at the tactical and operational levels of war. Our Maritime Space Officer, LCDR Samantha Blea, has been fully engaged in CONOPS development and integrating space capabilities into tactical and operational warfighting. Additional information warfare support was provided to NWDC's Doctrine, Lessons Learned, and Fleet Experimentation Departments in the form of Opposing Forces (OPFOR) expertise, background research on strategic competitor capabilities and integration of information warfare in the fleet at the tactical and operational levels of war.

N3: Operations

The creation and implementation of the fleet battle problem (FBP) series, resurrected by Commander, United States Pacific Fleet in 2016, was a significant shift in fleet operations over the past several years with an approach that offers a battle lab for naval capability development. Today, FBPs have become the primary mechanism for generating standardized, actionable data supporting the implementation of the Distributed Maritime Operations (DMO) campaign plan. FBPs operationalize DMO and advance the innovation needed to close warfighting gaps, improve cross-echelon and multi-domain execution, and accelerate fleet warfighter learning. Russia's attack on Ukraine and China's aggression in the South China Sea underscore the need for the FBP campaign to prepare U.S. Naval forces for complex threats in contested operating environments. NDWC is leading the effort to finalize the next iteration of the FBP campaign plan that will extend to 2030.

N5A: Navy Lessons Learned

On 5 April 2023, the Joint Lessons Learned Information System (JLLIS), supporting the Navy Lessons Learned Program, transitioned to the next generation Navy and DOD system of record. This was the first major technical revision in over 15 years. The new system retained many business rules and all of the data from the legacy system. Improvements include a new Graphical User Interface (GUI), enhanced performance metrics, faster search, and integrated data analytics and solutions. Users must first register for a Joint Training Platform (JTP) account per on the JLLIS homepage, located at <https://www.jllis.mil/apps> (NIPR) or (<https://www.jllis.smil.mil/apps>) (SIPR). This one-time registration will provide access to the new system.

N5C: Concepts

The NWDC portal hosts fleet tactical documents such as Fleet CONOPS and Navy-wide operational tasks (OPTASK). CONOPS are USFF, PACFLT, NAVEUR-AF documents that outline how the fleet will employ and sustain current capabilities with specified organizational, manning, training, equipping, sustaining, and operational integration of platforms and systems. Navy-wide OPTASKs are the numbered fleet commander's detailed information for specific aspects within individual areas of warfare and for tasking naval resources. These foundational Fleet documents can be found in total on SIPR or partially, based on classification, on NIPR at doctrine.navy.smil.mil nested under the "warfighting collections" content area. The Navy Warfare Library is intended as a one-stop shop for tactical foundational documents and Navy-wide warfare guidance for commanders.

N5D: Doctrine

Doctrine directorate has made significant progress on several fronts. Allied Doctrine led a delegation of U.S. personnel to participate in the annual Maritime Operations Working Group in Istanbul, Turkey, contributing to Allied doctrine development in maritime unmanned systems, theater undersea warfare, maritime information warfare and integrated air and missile defense. The Joint Doctrine branch has supported the joint staff in revising several

joint publications, including the capstone document JP 1, Volume I, Joint Warfighting. The Navy doctrine branch is overseeing the development of a wide array of doctrine, including a dozen contracted Navy doctrinal publications, and standing up an operational planning team to codify maritime fires and targeting guidance at the operational and tactical levels of warfare. Publishing branch has completed the transition of the doctrine electronic repository to an improved software that provides users a better experience and more reliable access. Check us out at [https://doctrine.navy\(.smil\).mil](https://doctrine.navy(.smil).mil),

N5HSI: HEALTH SERVICES INTEGRATION

During this quarter, updates in products that address Role 3 (Theater Hospitalization) and Medical Logistics were published. On March 2023, the T-AH Hospital Ship Policy and Administrative Working Group developed an updated version of OPNAVINST 5440.75C (Administration, Operation, and Logistics Support of T-AH1 19 Mercy Class Hospital Ships) for adjudication at the Flag/SES level and addressed unresolved issues regarding command and control policies, roles and responsibilities, and force structure employment. This collaborative effort originated during a previous event hosted by NWDC and facilitated by OPNAV N4L2 in March 2022. Also, the Bureau of Medicine and Surgery (BUMED N42-Logistics) invited NWDC to the Medical Logistics Summit (Apr 17-21) to address re-supply processes in the development of NTTP 4-02.1 (Medical Logistics). Furthermore, BUMED N42-Logistics Policy plans to replace the term Expeditionary Medical Facility (EMF) with The Role 3 Expeditionary Medicine (EXMED) in the development of NTTP 4-02.04 EMF publication.

N7: TRAINING, EXERCISES, AND WARGAMING

During the first weekend in April, NWDC executed MAKO SENTRY 23-2 in support of Commander U.S. Pacific Fleet (CPF), Commander U.S. THIRD Fleet (C3F) and Commander U.S. SEVENTH Fleet (C7F) Navy Reserve Units. The MAKO Series provides a means to train Navy Reserve personnel assigned to Fleet Staffs in the operational level of war and maritime operations center (MOC) processes. Also in April, NWDC completed its seventh Fleet 360 War Game. This game was in support of US Fleet Forces Command and was focused on the maritime homeland defense mission. The Fleet 360 War Game, which employs a “chess-by-email” format, emphasizes decision making at upper tactical and operational levels of war and is a component of the Operational Level Training and Exercise Program. In May, NWDC will release its Fleet 360 War Game and Strike Group 360 War Game annual reports. These two reports, which will be sent to all Fleet / Carrier Strike Group / Expeditionary Strike Group Commanders, provide war game insights and observations. During the months of May and June, NWDC is scheduled to complete Fleet MOC certification events for C6F in conjunction with exercise AUSTERE CHALLENGE 23 and CPF and C7F in conjunction with exercise PACIFIC SENTRY 23. The purpose of a MOC certification is to assess the Fleet’s alignment with the MOC standardization manual, determine resourcing shortfalls, and identify operational gaps. MOC certification increases and sustains the readiness of Fleet MOCs, making them better able to command and control maritime forces.

N8: FLEET EXPERIMENTATION

The Fleet Experimentation (FLEX) program, planned and executed on behalf of U.S. Fleet Forces Command, U.S. Pacific Fleet, and Naval Forces Europe-Africa in accordance with their warfighting priorities, heads into a busy execution season that will extend through the end of FY23. When feasible, FLEX leverages existing fleet exercises, such as the upcoming Integrated Battle Problem series. When resources don’t align, FLEX designs and executes standalone limited objective experiments. Upcoming initiatives, or potential solutions, include integrating manned and unmanned capabilities, examining emerging warfighting capabilities in operational environments, and advancing operational and tactical level TTP (Tactics, Techniques, and Procedures). At the conclusion of each experiment, the FLEX team produces actionable findings and recommendations based on analytical results to support capability improvement, investment, and transition decisions for the Navy.