



Navy Warfare Development Center Quarterly NEWSLETTER

FROM INNOVATION, A STRONGER FLEET

Spring 2024

N2/3

N2/N3 Department remained engaged in the development of tactical proficiency across all of the Navy's warfighting communities
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N5A

NWDC N5 Department was instrumental in the new Navy Lessons Learned Program Instruction that improves the program by expanding Navy shore commands participation
more on page 3...

N5D

NWDC promulgated its latest edition of Navy Tactical Reference Publication 1-01, The Navy Warfare Library User Manual
more on page 3...

N5H

N5H highlights a series of training and capability opportunities
more on page 4...

NWDC hosts Fleet reserve sailors to build warfighting readiness in MAKO series 2024

The MAKO Program accomplished a great deal during quarter one of 2024 with the execution of MAKO Challenge 24 (MC 24), delivery of the 2024 Chief of Navy Reserve (CNR) In-Progress Report (IPR), and exercise life cycle (ELC) kick-offs for both MAKO Storm 24 (MM 24) and MAKO Global 24 (MG 24)
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"Design, Train, Mobilize, and Develop"

The MAKO exercise series prepares Reserve personnel to meet the responsibilities of their mobilization billets and fulfills the intent of the Navy Reserve Fighting Instructions.

(From left to right) Rear Adm. Michael Sciretta, director, Maritime Operations, U.S. Fleet Forces; Rear Adm. Larry Watkins, vice commander, U.S. Naval Forces Europe-Africa/U.S. 6th Fleet; Mr. Michael Durkin, director, NWDC; Vice Adm. John Gumbleton, commander, Task Force 80 and deputy commander U.S. Fleet Forces; Rear Adm. Kenneth Blackmon, vice commander, U.S. Fleet Forces; Rear Adm. Michael Steffen, commander, Navy Reserve Force; FLTCM John Perryman, Fleet Master Chief, U.S. Fleet Forces; Rear Adm. Bryon "BT" Smith, U.S. Navy Reserve, vice commander, 2nd Fleet.

N7

NWDC hosted MAKO series, designed to provide Reserve Sailors hands-on experience within the Operational Level of War environment including a Maritime Operational Scenario
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N8

NWDC participated in Integrated Battle Problem 24.1 to operationalize multi-domain employment of unmanned systems to create warfighting advantages
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EMPLOYEE SPOTLIGHT

On the Spot Award winners, promotions, and Civilian of the Quarter awardees
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N2/N3: INFORMATION WARFARE AND OPERATIONS

The N2 Department's Red Cell supported the planning and execution Fleet Training, Exercises, and Wargaming by creating comprehensive adversary campaign plans, concept of operations (CONOPs), orders-of-battle, and after-action reports for 4 war games at the tactical and operational level of war. Our maritime space officer has been fully engaged in CONOPs development and integrating space capabilities into tactical and operational warfighting. Additional Information Warfare support was provided to NWDC Doctrine, Lessons Learned, and Fleet Experimentation (FLEX) Departments for 2 different exercises in the form of opposing force (OPFOR) expertise, background research on Strategic Competitor capabilities and integration of information warfare in the fleet at the tactical and operational level of war.



PROFESSIONAL THREAT REPLICATOR FOR EXERCISES, EXPERIMENTS, AND WARGAMING

The Red Cell provides comprehensive event support with a team of warfare subject matter experts that have been chosen to replicate all aspects of a specified OPFOR including detailed weapon employment tactics.

N3 remained engaged in Q2 FY24 in the main efforts across the command, integrating the collaboration across the Warfighting Development Centers (WDCs) via the monthly WDC Operations Synchronization meetings, Fleet Battle Problem (FBP) Campaign Plan execution support, and quarterly FBP Planners' Working Group meetings. Highlights include:

N3 began the planning and facilitation for the Spring 2024 rotation of Intermediate Stops (I-Stop) designed to provide incoming Carrier Strike Group (CSG) and Expeditionary Strike Group (ESG) Commanders an NWDC overview and to provide them an understanding and appreciation of our missions, operations, and opportunities for integration and partnering on initiatives. This effort conveys the opportunity for a CSG/ESG Commander the reach back capabilities for robust NWDC support prior to, and during, deployment. Two of these I-Stops were conducted in April 2024, with another two scheduled over the next few weeks.

Planning is well underway for the nineteenth bi-annual Spring Warfighting Development Center Leadership Huddle (WDC LH) and Advanced Warfighting Summit (AWS), to be held at NWDC 12-13 June 2024. The WDC Leadership Huddle series provides WDC Commanders opportunity to discuss current mission area challenges, and integrate cross-domain tactics and training development. The AWS series provides Strike Group and WDC Commanders, and other training and capability development organizations, opportunity to capture current warfighting challenges and share insights to inform future force development. Fleet summaries and perspectives on current threats, along with other topics including lessons learned from recent deployments are certain to be integral again for the sharing of information across all fleet staffs.

N5A: NAVY LESSONS LEARNED AND ANALYSIS

N5A, and its three branches—Lessons Learned, Analysis, and Modeling and Simulation—have been very busy over the first quarter of 2024.

In January, the Director of the Navy Staff signed a rewrite of the Navy Lessons Learned Program (NLLP) Instruction that was written and staffed by Lessons Learned branch over the last year in conjunction with the Navy Learning to Action Board (L2AB). This document improves the program by expanding Navy shore command participation in the program; focusing on improvement through process of continuous discovery, validation, resolution, evaluation, and dissemination; and incorporates observations and recommendations from assessments and near miss events into NLLP. The branch continues to work closely with L2AB and our chain of command toward a continuous improvement and lesson resolution process. Additionally, our fleet lessons learned representatives have been pushing relevant, timely, and critical lessons learned in current operations in the Red Sea, Eastern Mediterranean, and Western Pacific to deployed and deploying units. This compresses the learning timeline, and provides critical backup to units and Sailors in harm's way.

Analysis Branch continues to work closely with the Lessons Learned Branch to consolidate and analyze timely and relevant lessons into Navy Lessons Learned Bulletins. Bulletins in development include: Data Science at Sea, Unmanned Systems (UxS) Force Integration, Emissions Control (EMCON) Proficiency, and a bulletin in final review on countering small unmanned aircraft systems' (UAS) ashore, describing lessons from shore-based counter-UAS systems employment.

Modeling and Simulation Branch continues to conduct quantitative, constructive, Monte Carlo, modeling and simulation focused on operational level studies that test warfighters' CONOPs and plans to find maneuver space and competitive advantage. In addition to completing an Office of the Chief of Naval Operations (OPNAV) sponsored counter-intelligence, surveillance, and reconnaissance study, the Naval Simulation System (NSS) team remain engaged with Echelon II and II partners to provide a campaign of service, and mentor analytic improvement for the operational staffs we serve.

N5D: DOCTRINE

In March, NWDC promulgated its latest edition of Navy Tactical Reference Publication (NTRP) 1-01, The Navy Warfare Library User Manual. In this revision, NTRP 1-01 updates the authorities and procedures for maintaining the Navy Warfare Library (NWL), integrates the innovations and best practices employed by warfighting development centers for rapid and efficient development of tactical publications, and includes a new supplement (SUPP3).

Key among the developments of the March 2024 edition is the new organization of Navy doctrine. NTRP 1-01 introduces three tiers—capstone, keystone, and fleet doctrine—which arrange Navy doctrine publications into a hierarchy that better aligns with joint publications and the doctrine publications of the other Services.

Doctrine developers should refer to SUPP 3 guidance to ensure new terms are included in the Navy Dictionary and managed properly in NWL publications.

NWDC announces news about the NWL, including new publications, pub changes, and cancellations using general message file NAVPUB messages. Navy Publications (NAVPUB) are also used to report quarterly summaries and innovations to the NWL.

NTRP 1-01, its new SUPP 3, can be found at <https://doctrine.navy.mil>.



Navy Doctrine Organization

Series

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General/ Reference Intelligence Operations Logistics Planning Communications

Capstone Doctrine	NDP 1					
Keystone Doctrine	(NWP 1)	NWP 2	NWP 3	(NWP 4)	(NWP 5)	(NWP 6)
Fleet Doctrine	NWP 1-X	NWP 2-X	NWP 3-X	NWP 4-X	NWP 5-X	
	NTTP 1-X	NTTP 2-X	NTTP 3-X	NTTP 4-X	NTTP 5-X	NTTP 6-X
	NTRP 1-X		NTRP 3-X	NTRP 4-X	NTRP 5-X	NTRP 6-X
Developmental Doctrine		TM, TB, TN	TM, TB, TN	TM, TB, TN	TM, TN, TB	TM, TB, TN

The Navy doctrine organization chart illustrates the hierarchy of Navy doctrine into tiers (capstone, keystone, and fleet doctrine) and series (general, intelligence, operations, logistics, planning, and communications). New to the 2024 edition of NTRP 1-01 is alignment of capstone and keystone doctrine tiers to other Service doctrine and joint publications.

N5H: HEALTH SERVICES INTEGRATION

In January, N5H hosted the United States Second Fleet Medical Symposium to support the upcoming deployment of Amphibious Ready Group medical personnel Fleet Surgical Team. Medical augmentation personnel increase the capability of Amphibious Assault Ships (Multipurpose) (LHD) and Amphibious Assault Ships (General Purpose) (LHA) from Role 1 (first responder care) to Role 2 (surgical and resuscitative care). With this augmentation of trained and certified medical personnel, the LHDs/LHAs provide the largest afloat Role 2 care for the operational commander.

In February, LtCmdr. Michael Fisher participated in the United States Sixth Fleet Medical Logistics Table Top Exercise in Naples, facilitating updates to the Medical Logistics Navy Tactics, Techniques, and Procedures manual. The Medical Logistics Working Groups continues to address the issue of consumable and blood product re-supply, including methods to improve efficiency. This issue remains critical to supporting Health Services and minimizing the Died of Wound (DOW) rate for wartime and various contingencies.

Cmdr. David Baptista is the NWDC lead for improved coordination with the Bureau of Medicine and Surgery (BUMED) and modernization of the Plans, Operation, Medical Intelligence Course. To improve the delivery of a ready medical force, BUMED reorganized to include establishing a staff section dedicated to ensuring alignment with the doctrine development process. Emerging doctrine includes publications for Expeditionary Medical Units, Expeditionary Resuscitative Surgical Systems, and En Route Care Systems.

N7: TRAINING, EXERCISES, AND WARGAMING

Quarter one kicked off in style with the most expansive MAKO exercise to date, MC 24. With over 430 people in attendance at NWDC, Robin Hood Road, and Fort Meade, MC 24 executed 10 storylines covering 14 exercise objectives to stimulate engagement and learning around 39 training objectives. Of those in attendance, 351 participated directly in the exercise, including 326 reserve component (RC) Maritime Operations Center (MOC) warfighters from five fleets (United States Fleet Forces Command (USFFC); Commander, United States Naval Forces Europe-Africa (CNE-C6F); Commander, Second Fleet (C2F); Commander, Fourth Fleet (C4F); and Commander, Tenth Fleet (C10F)) and 25 active component (AC) mentors. The AC participation in MC 24 was considered extremely beneficial to enhancing the value of training during execution, highlighted by Vice Adm. John Gumbleton's, USFF Deputy Commander, visit on Day 1 of execution. The pay-off of this AC/RC integration occurred 6 weeks later at USFF's MOC Certification, Vigilant Shield 24 (VS 24), where both Rear Adm. Michael Sciretta, USFF Director of Maritime Operations, and Rear Adm. Kavon Hakimzadeh, USFF MOC Director, publicly praised the value that MAKO brings to increasing warfighting readiness and the role the event played in the success of VS 24. The growth of MC over the past 24 months has been palpable, growing from its humble beginnings with MC 22 (one fleet and 55 total in attendance) to the multi-fleet, multi-site event that is now considered a high-value piece of the 3-year training process towards MOC Certification at USFF.



Vice Adm. John Gumbleton, commander, Task Force 80 and deputy commander, U.S. Fleet Forces, talks to watchstanders in training during MAKO Challenge 24. (U.S. Navy Photo by Communications Specialist Ian Delossantos)

Bravo Zulu to the Core Planning Team of Cmdr. Sean Marvin, Cmdr. Amanda Miller, Cmdr. Dan Ryan, and LtCmdr. Catrina Helsel for their tireless work to get us here and a big thank you to the NWDC MOC Exercise Support Team and MOC Training Team for their continued guidance and support!

Also in January, MAKO Program leadership conducted their annual in-person review with the CNR, Vice Adm. John Mustin. Three items covered during the brief were key initiatives to support program sustainment and significant lifts during quarter 1. The first of these items was the development of the MAKO Series data collection and analysis plan (DCAP) intended to inform future return on investment criteria and exercise process improvement. Incorporating pre-exercise registration information, mentor captured execution data, and Navy reserve readiness systems (T-Ready & Jupiter Reports), DCAP will be beta tested during MM 24 and baseline with MG 24. Also discussed was the concept of "fenced funding" to support the cost deltas incurred by RC warfighters traveling to support exercise life cycle (ELC) and execution events at non-drill site locations along with aligning the MAKO Program planning horizon with NWDC's three year timelines. Proposals for both of these endeavors were developed and are now in routing or staffing for approval.

Looking forward, there is still a lot of work to done with MM 24 execution in April 2024 and MG 24 in July 2024. ELCs for both events are well underway and MAKO Global will be another high water mark in program history with an estimated 460 RC personnel to be trained from nine fleets at four sites (NWDC, Robin Hood Road, Fort Meade, and EWTGPAC). Other key upcoming events include the commencement of FY 25 activity in June 2024 (MAKO Sentry 25-1 concept development conference) and the selected reserves to training and administration of the reserve transition of the MAKO Core Planning Team in August 2024.

N8: FLEET EXPERIMENTATION

As part of the FY24 portion of the multi year Fleet Experimentation (FLEX) Campaign, NWDC executed FLEX in Integrated Battle Problem (IBP) 24.1 off the coast of Southern California in March 2024.

IBP 24.1, led by United States Pacific Fleet (PACFLT), C3F, and Commander, Amphibious Squadron (COMPHIBRON) 7, served as an ideal venue for FLEX to examine developmental air, surface, and subsurface capabilities in an operational environment. Systems included Long-Range Unmanned Surface Vessels (LRUSVs), Unmanned Aerial Vehicles (UAVs), Global Autonomous Reconnaissance Crafts (GARC), Switchblade 600, T-12 Mantas, T-38 Devil Ray, and a Large Diameter Unmanned Underwater Vehicle (LDUUV).



A United States Marine Corps long-range unmanned surface vessel (LRUSV) transits off the coast of Southern California (bottom); during IBP 24.1. (U.S. Photo taken by Communications specialist Ian Delossantos)

Experiment analysis for IBP 24.1 is currently ongoing and, when finalized, results will be shared with PACFLT, USFF, Naval Forces, Europe (NAVEUR), and other stakeholders, including the Navy's Disruptive Capabilities Office (DCO).

FLEX previously contributed to three of the four PACFLT-led IBPs with planning and execution, data collection and analysis, and reporting. From those IBPs, FLEX produced 44 findings and 79 DOTMLPF-P recommendations to drive capability development, investment, and transition – with 31 recommendations currently reflected as action complete.

The FLEX team is now focused on a busy summer execution season including examination of initiatives in BALTOPS 24 and Valiant Shield 24.

EMPLOYEE SPOTLIGHT

Please enjoy NWDC's newest employee highlight section where we'll recognize promotions and awards! In FY24, we've awarded five On-the-Spot Awards and promoted eight civilian employees! Well done to all!

FY24 Civilians of the Quarter



Q1: Ms. Susan Wallace (N4)



Q2: Mr. John Blackburn (N5D)

Q1 and Q2 FY24 On-the-Spot Awards



Mr. Bill Ciaston (N8)



Mr. John Fitzwilliam (N5A)
Mr. Jose Gandia (N5A)
Ms. Carrie Van Haren (N5A)



Mr. Josh Streithof (N1/4/6)

Q1 and Q2 FY24 Promotions

Ms. Laura Caswell (N1 – ALSSA)
Ms. Mari Frazier (N01C)
Ms. Amanda Gilbert (N01C)
Mr. Jason Hicks (N3)

Ms. Olivia Klein (N01C)
Ms. Veronica Lee-Long (N1S)
Mr. Chris Riley (N5D)
Ms. Delicia Thornton (N1S)

NWDC QUARTERLY – SPRING 2024

HAILS - FY24 Q1 & Q2



Mr. Griffin Riddler
(N5A) – Oct 23



Mr. Dan Griner
(N5C) – Oct 23



Ms. Rachel Champagne
(N2) – Nov 23



CAPT Samantha Dutilly
(CoS) – Dec 23



CDR Jacob Galbreath
(N8) – Jan 24



LCDR Michael Ghele
(N7) - Jan 24



Ms. Kasia Landess
(N01C) – Jan 24



Mr. Rafael Soriano
(N2) – Jan 24



LCDR William Tschumy
(N5D) – Jan 24



Mr. Marcus Barnes
(N1S) – Feb 24



CDR Amanda Miller
(TAR) – Oct 23



Mr. Francis Lansangan
(N5D) – Feb 24



CDR Chrisman Thompson
(N8) – Feb 24

FAREWELLS - FY24 Q1 & Q2

LCDR Sara Davies (UK PEP, N8) – Jan 24
LCDR Ross Nickel (N2) – Jan 24
Mr. Chris Raney (N7) - Jan 24
Mr. Mark Rashford (N1S) – Jan 24
Mr. Jorge Ribera (N01C) – Jan 24
Mr. Jay Bartish (N8) – Feb 24

CAPT Dave Aamodt (CoS) – Mar 24
CDR Brian Burdick (N5H) – Mar 24
Ms. Idina Hatten (N5D) – Mar 24
CDR Adam Howell (N8) – Mar 24
LT Quinn Mazant (N5D) – Mar 24
CAPT Matt Olson (N7) – Mar 24