



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

Command and Control Systems (PMW 150) Overview

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*Deliver threat-based C4I and space capabilities to enable
the fleet to compete, deter and win – tonight*



PMW 150 Strategic Direction

Vision: Enable Better Decisions Faster

Mission: We provide Intuitive, Innovative, and Resilient Command and Control and Tactical Communications Solutions to the Warfighter

Focus Area 1

Foster a Supportive and Innovative Culture

Establish a culture of psychological safety that respects every PMW 150 team member's contributions and needs, and encourages professional growth and knowledge sharing, to unleash creativity and empower measured risk-taking.

Focus Area 2

Deliver the Right Solutions at the Right Time

Constantly engage with our Users to better understand their needs, and pivot when necessary to provide timely and cost-effective solutions.

Focus Area 3

Ensure System Readiness

Ensure our systems are available when needed, perform as specified, and are easy to operate, maintain, and restore.



Better Decisions Faster

(What does it mean?)



Give decision makers everything they need to quickly make and execute tactical and operational decisions, all in one place, at the right time, in a way that they can easily comprehend

So that...

They can achieve our Navy and our Nation's strategic goals, deter or defeat our adversaries, and effectively cooperate with our allies



PMW 150

Command and Control Systems



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Maritime C2

Maritime C2 division consists of systems (GCCS-M, MTC2, NAOC2) designed to equip Fleet Commanders and their operational assets with the command and control systems they require to accomplish their missions.



Tactical C2

Tactical C2 division (Link 16, C2P, LMMT) is responsible for developing, fielding, and supporting Joint and Coalition tactical data link (TDL) capabilities in accordance with the Joint Tactical Data Enterprise Services Migration Plan (JTMP), the DoD roadmap for TDL implementation.



NILE

NILE cooperative development program has developed the Link 22 (to replace Link 11) networking capability, referred to as the System Network Controller (SNC), and the standards and specifications for the other components of a Link 22 capability.



Defensive C2

Defensive C2 also known as Joint Project Lead CBRN Information Management / Information Technology (JPL CBRN IM/IT), is responsible for building enterprise solutions to provide the common warning and reporting, hazard prediction, and decision support backbone for the collection, analysis, and dissemination of Chemical, Biological, Radiological, and Nuclear (CBRN) information.



Enable Better Decisions Faster



PMW 150 Lines of Effort

PMW 150 is working to *Enable Better Decision Faster* by using all the tools and authorities at our disposal to accelerate the delivery of needed capabilities to our Sailors, the Joint Community, and our Allies.

MTC2 *has moved* and GCCS-M *is moving* from monolithic software to containerized, modular architectures, implementing micro-services developed via DevSecOps processes, and leveraging common services, to rapidly deliver Maritime Decision Aids and Battle Management Aids to the Fleet.

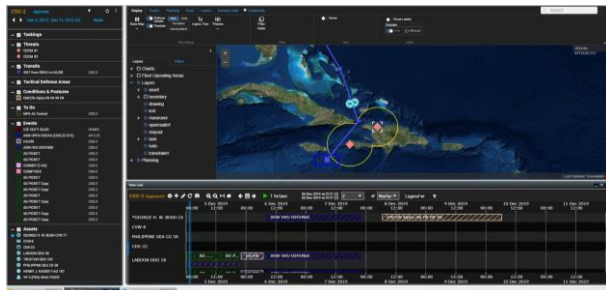
ATDLS has successfully completed Link 16 Crypto Modernization, and is focused on delivering advanced Tactical Data Link capabilities, fielding Link 22, modernizing the C4I to Combat System interface, and enhancing Link Management capabilities.



Automating the Planning Process MTC2 and BMAs



COAs
& Forces Laydown



Dynamic COA
Branches and Sequels



Defense
Plans



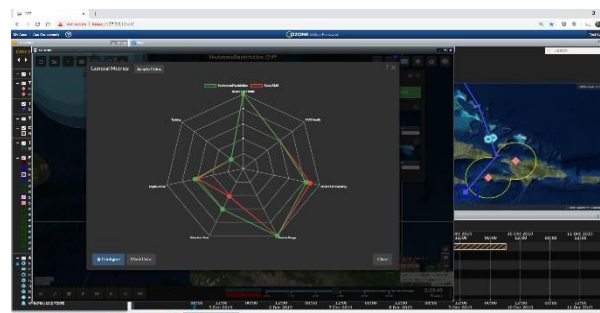
Engagement Analysis



Products and Automated
Updates:

- Multiple COA Comparison
- Comparative Metrics
- Branches and Sequels
- Drill Down into key Metrics
- Automated update/COA back to MTC2 Synch Matrix

Selected COA



COA Comparison

MTC2 working with BMA's from multiple sources with Common Data and API's



Opportunities

- Vehicles
 - Multiple OTA Consortia
 - Prize Challenges (as needed)
 - Small Business Innovation Research (SBIR)
 - Cooperative Research and Development Agreements (CRADA)

- Areas of Focus
 - Microservices
 - Automated testing and workflows
 - UI/UX Design
 - Chaos Engineering
 - Data Science
 - AI/ML
 - Virtual Training



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Questions?



Accelerated delivery of required capability that is affordable, integrated and interoperable