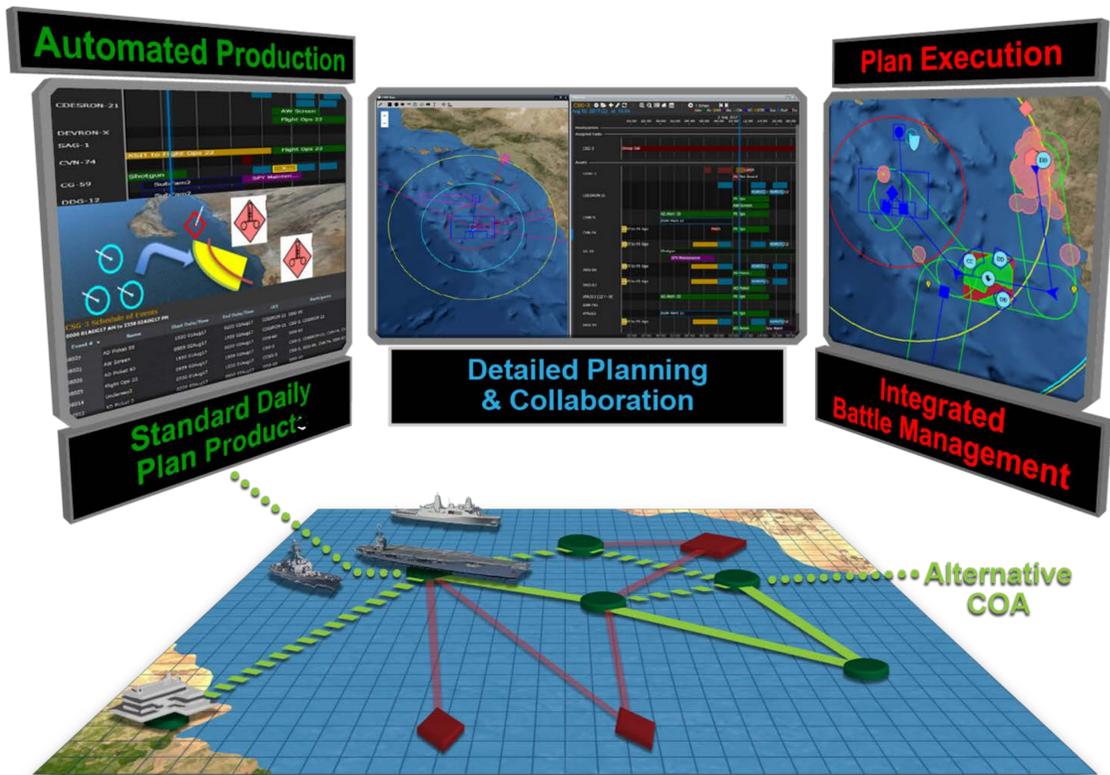




Maritime Tactical Command and Control (MTC2)

PLAN • DIRECT • MONITOR • ASSESS

➤ **Capability/Program Description:** MTC2 is a Navy Command and Control (C2) program that will deliver battle management aids (BMAs) to dynamically plan, direct, monitor, and assess maritime operations as part of exercising C2 of Navy, joint, and coalition forces in the maritime domain.



Program Details:
ACAT: ACAT III
MDA: PEO C4I
Resource Sponsor: OPNAV N2/N6F1

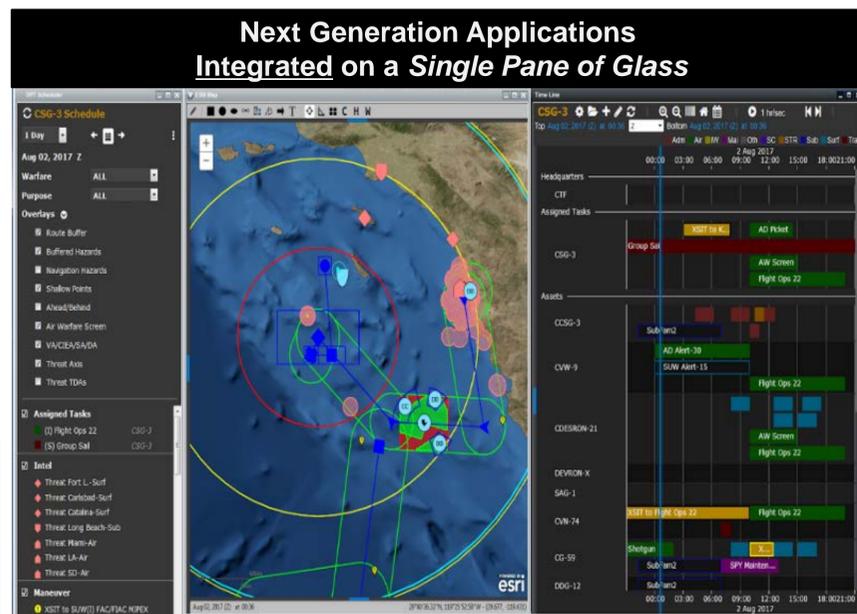
Major Initiatives:

- Fleet Tactical Grid
- Distributed Maritime Operations
- Aligning to cloud initiative
- CANES/ACS; VSE compliant; Decoupled MOSA; remote upgrades

MTC2 will synthesize and automate battlespace data allowing U.S. Navy commanders and their staffs to quickly coordinate and achieve decision superiority.

➤ **MTC2 Core Capability Areas:**

- Maritime Planning Tools
- Command leadership tools
- Dynamic force structure
- Disseminate commander's intent/guidance
- Collaborative planning environment
- Synchronize execution
- Monitor, assess, adapt to battlespace
- Leverage joint/coalition partner capability



BMA/MPT	Description
Operational Planning Tool (OPT)	Collaborative planning and briefing through the use of decision support services that assist planners during the creation of plans and re-planning
Navy Wave	WAN/LAN near real-time collaboration library
IWS Tactical Decision Aids	<ul style="list-style-type: none"> • Air Warfare Screen • Engageability Slide Rule • SPY Slide Rule • NPAT (NIFC-CA)
Mission Context Services (MCS)	Route feasibility through METOC analysis
Automated Battle Management Aid (ABMA)	Asset to objective pairing tool utilizing machine intelligence algorithms
Realizing Information Gain Through Optimization of Reconnaissance and Surveillance (RIGORS)	Provides running MOEs/MOPs assessments and trends
Situational Assessment using Pedigree, Probability, and Heuristics In Reduction of Entities (SAPPHIRE)	Provides capability to share information produced or collected at multiple large data centers, sift through large amounts of data for relevant context. Retrieve data and alert users.
Mission-Aware COA Decision Aid and Dynamic Effectiveness Evaluator (MacDADEE)	Heat map density statistics and trends tool (e.g., disease spread during an HADR)

➤ **Initial Prototype Delivery:**

- Provides capability for Carrier Strike Groups (CSG) to create operations plans / schedules (i.e., 96-hour plan)
- Provides repeatable / scalable method to integrate internal and externally-provisioned decision aids
- Allows efficient creation and management of operations plan components
- Collaboration service that allows users to see other distributed planner's edits in real-time (inspired by Google Wave / Google Docs)
- Works in disconnected, intermittent, and limited (DIL) environments

➤ **Benefits to the Navy:**

- Automates production and synchronization of daily (manual/disparate) planning products
- Installation outside of CNO avails resulting in lower cost and more timely installation
- Increased cybersecurity