

Naval Information Warfare Center Pacific

C2 Systems Division Introduction

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John Barrie
Division Head, code 532



About Me

- USN Vet – 6 years electronics technician
- Industry partner for 9 years (90% GCCS support)
 - Titan Systems, Stanley Associates, Northrop Grumman Mission Systems, L-3 Systems
- Joined NIWC in 2012
 - STRATCOM New C2 Facility Design
 - GCCS-M Product Support Team Lead
 - MGF Project Director
 - 534/531 Deputy for Operations
 - 532 Deputy for Operations
 - 532 Division Head

People

This is a human business

Your job is your people:

- Development
- Attention
- Engagement

In a dynamic environment:

- new projects
- new methods
- new roles & relationships

We support each other

Processes

Deliberate

Go slow to go fast

Clear thinking & ownership

Coaching skills for problem solving

We own getting better



Products

Mission effect

Experts in C2

Understand what C2 brings to the fight

Our solutions matter

Current Division Snapshot

Personnel	168
High Grades	21
Supervisors	15
Embedded Personnel	15
TS/SCI Cleared Personnel	106
ND-2/3/NO -2,3,4/NG-2	43
ND-4/NO-5	91
Potential Gains	6
Potential Losses	4+

Technical Capability Areas (TCA) for 532

C2 Maritime System Lifecycle Engineering

- GCCS-M
- GCCS-J
- FMS NON-POR
- C2X
- CIPP
- MTC2
- NAOC2
- Seavision
- Avalanche
- CCS

Navy Digital Ecosystem

- NRD&E
- GALATEA (FKA COSMOS)
- OSA
- OPE
- AA
- MAGIC
- TAF
- SMIO
- UNACORN

C2 Multi-Level Security (MLS) Systems

- PDAS
- NESA
- JCDX

A TCA is essentially a "Domain of Excellence." It is a defined area of technical or scientific expertise that our division commits to maintaining and growing..

Growth	Steady		
CIPP JCDX PDAS MTC2	Seavision	OPE	GCCS-J
	Application Arsenal	TAF	NESA
	FMS Non-POR	OSA	C2X
	NAOC2	GALATEA FKA COSMOS	
Decline/ Unknown	New		Close/Move
CCS	FMS Case Managers		NRDE
Avalanche	UNACORN		HPCC (Moved to CIO)
GCCS-M	SMIO		PIA

Command and Control Systems Division (532)

OUR PRIMARY SPONSORS

- ◆ PMW 120
- ◆ PMW 130
- ◆ PMW 150
- ◆ PMW 160
- ◆ PMW 740
- ◆ PMW 790
- ◆ PMS 406
- ◆ PEO Digital
- ◆ NAVSEA
- ◆ ONR
- ◆ SMIO
- ◆ NAVWAR
- ◆ Overmatch

▼ *C2 Maritime System Lifecycle Engineering*

- Applying Agile principles to the full lifecycle of C2 software systems, combining C2 domain knowledge with modern software expertise for innovative design, development, testing, integration, maintenance, and deployment.

▼ *Navy Digital Ecosystem*

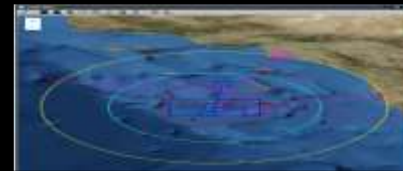
- Delivering a cohesive infrastructure, scalable platforms, and agile software factories to enable and enhance the Navy's mission capabilities.

▼ *C2 Multi-Level Security (MLS) Systems*

- Providing C2 engineering expertise for critical sponsor mission areas.



Navy Digital
Ecosystem

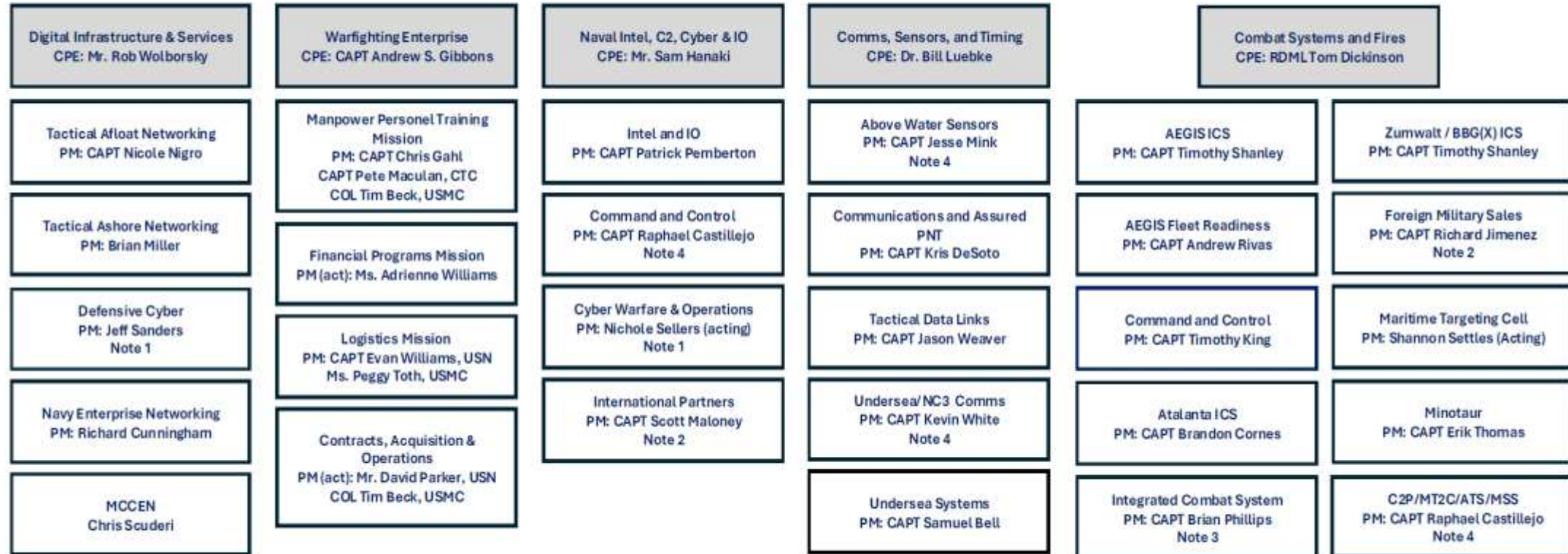


C2 Maritime SLE



C2 MLS Systems

PAE Mission Systems "2.0" CPE Program Offices



What do we need from you?

- Standard engineering workforce augmentation (LOE)
- C2 Modernization Contract
 - GCCS-M ISEA, NONPOR, C2X, AA, MAGIC
- Your ideas
- Collaboration on capability design and delivery
- CRADA/CSO/OTA
- You build it, we enable, integrate, transition, deliver
- Like you, we are always looking for new sponsors within our areas of expertise

SB Contract Info

- -For acquisitions below competitive threshold (under \$8.5 million for manufacturing or \$5.5 million for services), contracting officers cannot just hand the contract to one specific 8(a) company right away. They must first see if multiple 8(a) companies can compete for it using pre-approved government-wide contracts (GSA GWACs) before proceeding with a sole source 8(a) award.
- -A requirement automatically leaves the 8(a) program if the follow-on contract is going to be reserved for a different small business group, specifically HUBZone, Service-Disabled Veteran-Owned (SDVOSB), or Women-Owned (WOSB) programs.

Business Category	Actual Achievement to Date	Goal Target	Total Spending
Small Business (SB)	47.59%	28.9%	\$213,273,105.18
Small Disadvantaged (SDB)	19.26%	10.8%	\$86,303,354.61
Service-Disabled Vet Owned (SDVOSB)	9.33%	3.3%	\$41,827,361.18
Woman Owned (WOSB)	7.76%	3.4%	\$34,761,540.21
HUBZone	2.24%	2.34%	\$10,036,781.56

Backup

C2 Multi-Level Security Systems

Pillar	Key Programs	Mission Impact
Enterprise – The backbone of planning	Planning and Decision Aid Systems (PDAS)	world-wide collaborative system that enables Navy, Joint warfighters, DoD agencies, and military commands to support deliberate and crisis action planning.
Multi Domain Solution - world renowned Cross Domain Solution	Joint Cross Domain eXchange (JCDEX)	MLS supporting both Common Operation Picture (COP) and the Common Intelligence Picture (CIP) providing real-time military & commercial sea and air traffic data
Cutting Edge Engineering	Naval Enterprise System Analysis (NESA)	supports the DON SAP CIO operational requirements.
Future Looking	Forward looking initiatives	MSS hardware integrated into PDAS network

Providing C2 engineering expertise for critical sponsor mission areas. Full IT System Development for Multi-Level Security and Multi-Compartment Security (MLS/MCS)

- High-End capability to protect high-end capabilities
- Cross-Domain Mastery
- Strong relationships with end users
- Deep Domain Expertise and Credibility and strong Acquisition Knowledge

Supporting PEO Digital, N9SP, J39

C2 Maritime System Lifecycle Engineering

Pillar	Key Programs	Mission Impact
Enterprise – The backbone of fleet Ops	GCCS-M, MTC2, NAOC2	Primary COP and planning tools C2 maritime operations.
Innovation – The cutting edge of warfare	CIPP, C2X	Pioneering the future of IAMD integration and C2 exploration.
Multi-Domain	Avalanche, CCS	Enabling command and control for next-gen unmanned undersea vehicles
International and Joint – Expanding the horizon	FMS (GCCS-M), Seavision, GCCS-J	Strengthened allied interoperability through COP sharing.

Applying Agile principles to the full lifecycle of C2 software systems, combining C2 domain knowledge with modern software expertise for innovative design, development, testing, integration, maintenance, and deployment.

Domain-Driven Engineering: We don't just write code; we understand the warfighter's mission.

Agile at Scale: Modern DevOps applied to massive, complex government systems.

Cross-Domain Mastery: One partner for Undersea, IAMD, and International FMS.

Full Lifecycle Ownership: From "Exploration Lab" concept to global sustainment.

Supporting PAE MS (PMW 150\120\790, IWS) and PAE RAS (PMS406)

Navy Digital Ecosystem

Pillar	Key Programs	Mission Impact
Software Factories – The Development Pipeline	OSA, UNACORN	Primary software Development Pipeline with CI/CD and RAISE Approval chain (OSA)
Automated Testing	TAF	Continuous Testing
Cloud Offering – state of the art, zero trust	GALATEA, OPE, NR&DE IL6	Enabling C2 by providing the tools to deliver capability at record speed.
Edge to Prod	Application Arsenal, MAGIC	Delivering capabilities to the fleet and beyond

Delivering a cohesive infrastructure, scalable platforms, and agile software factories to enable and enhance the Navy's mission capabilities.

Unified Software Factory: A seamless pipeline from the first line of code to final validation, accelerating the "speed of relevance" for the warfighter.

Zero-Trust Sovereignty: Security woven into the fabric of the cloud, ensuring absolute integrity from the developer's desk to the production environment.

Distributed Edge Deployment: The ability to push containerized applications from core cloud environments to on-shore nodes and shipboard systems.

Integrated Digital Ecosystem: A single-pane-of-glass offering that bridges the gap between toolchains, security protocols, and operational deployment.

Supporting Navy projects, NAVWAR, PEO Digital, NAVSEA

**BRINGING THE POWER OF
INFORMATION TO THE FIGHT!**

