

Naval Information
Warfare Center



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Naval Information Warfare Center Atlantic
Expeditionary Warfare
(ExW) Department

CDCA's 71st Strategic Business Industry Outreach
Initiative (SBIOI)

15 July 2025

Ashlee Landreth, SSTM
NIWC Atlantic
ExW Department Head



Expeditionary Warfare Department

Enabling Commanders in Faster Decision-making



Divisions
Expeditionary Intelligence & Command & Control

Expeditionary Enterprise Systems & Services

Expeditionary Platform Integration

Expeditionary Communications and System Innovation

Expeditionary Warfare *FY25: 668 FTEs — 115 Projects — 19 IPTs*
Rapidly delivering C4ISR, Cyber and IT systems and engineering services to meet the IW needs of the Marine Corps and Special Operations Command.

- Deliver IW capabilities to the USMC and SOCOM
- Provide full spectrum C4ISR systems and services to Marines and Special Forces
- Supporting Wargaming & Experimentation
- Deliver Capabilities that Enable Successful Stand In Forces
- Enable Joint All Domain Integration

Actualizing Marine Corps and SOCOM doctrine to experiment and increase capability in operationally relevant systems

Lightening the load for Marine Units

Helping Marines achieve Space Force Certification for next-generation GPS

Creating compact, removable, on the move technology for the Marine Corps and SOCOM

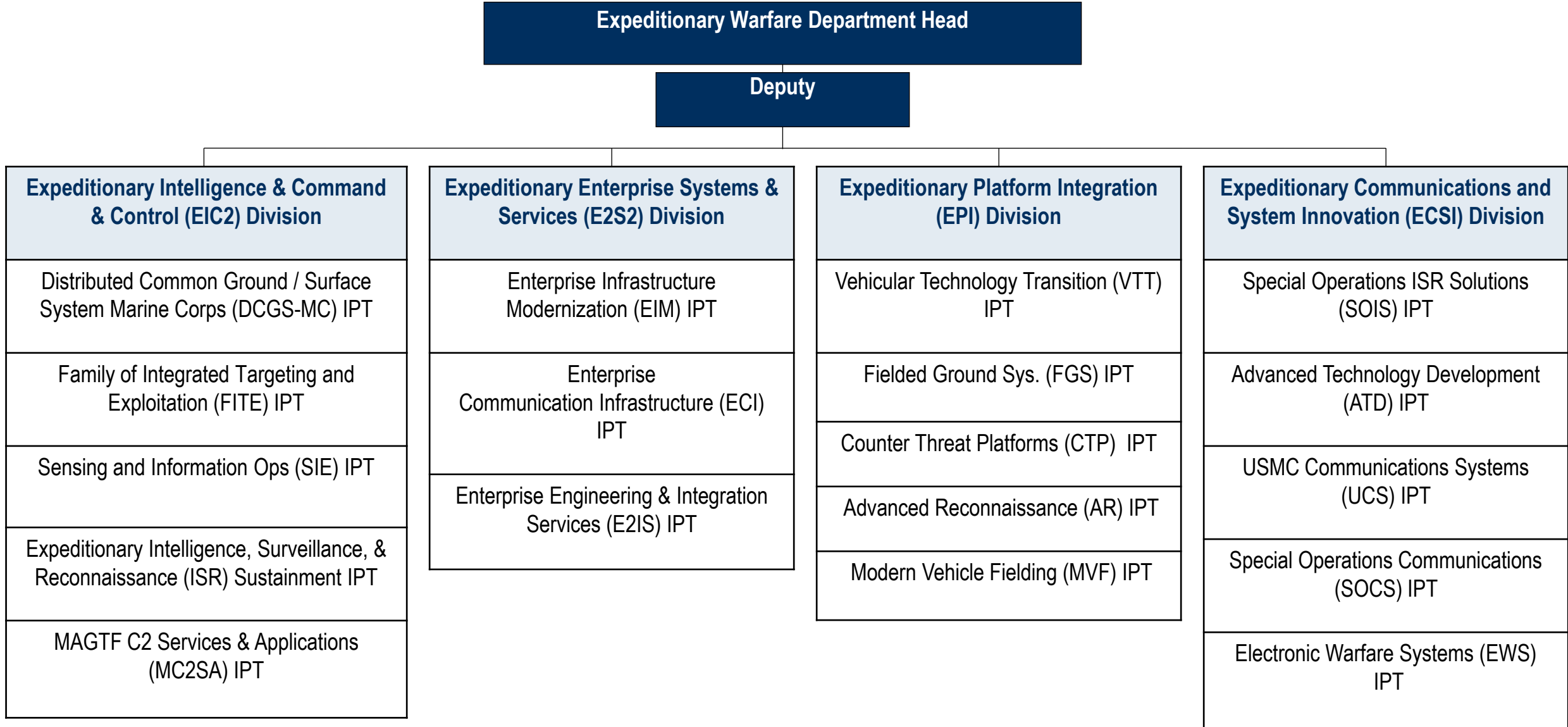
Bringing DevSecOps to Marine Corps (MCBOSS)

Major Sponsors

- Marine Corps Systems Command
- PEO Land Systems
- PEO MLB & DES (USMC)
- Special Operations Command
- Navy Expeditionary Combat Command



Organizational Structure



NIWC Atlantic's Command Strategy to drive innovation and deliver warfighter information advantage to *Win the Information War.*

Executing National and Naval Strategies



NIWC Atlantic Lines of Effort and Objectives

Ensure Information Readiness

Deliver Naval Information Advantage and Warfighter Readiness

- Be the technical leader in warfighter information advantage
- I. Meet Customer Needs Delivering Products and Services
 - II. Drive Work Towards Warfighter Priorities
 - III. Drive Future and Emerging Capabilities

Lead Naval Digitalization

Optimize Our Operations

- Effective internal operations that drive value through increasing speed and agility.
- I. Ensure Competitive Edge via Managed Costs
 - II. Quality Acquisition at the Speed of Need
 - III. Process Co-Ownership and End-User Focus

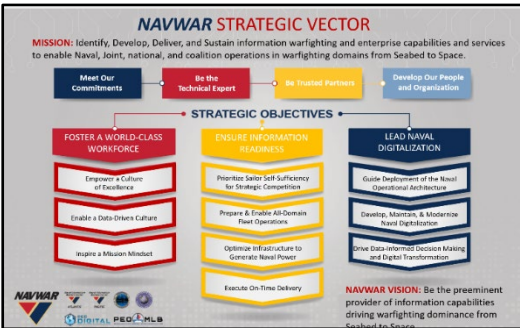
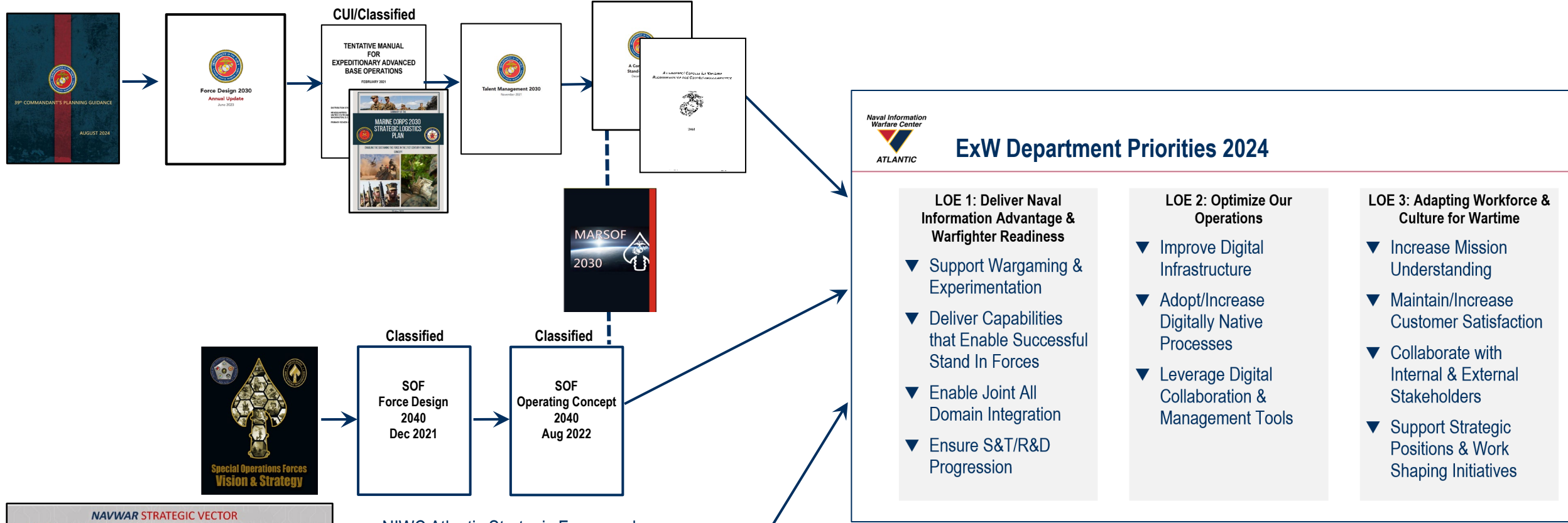
Foster a World-class Workforce

Adapting Workforce and Culture

- Engaged, skilled workforce, with a warfighter focused and ready culture
- I. Engaged Workforce
 - II. Skilled and Adaptable Workforce
 - III. Warfighter Focused

ExW's Strategic Framework

Aligns to NIWC Atlantic/MC/SOCOM Guidance



NIWC Atlantic Strategic Framework





Mission:

Conduct research, development, prototyping, engineering, test and evaluation, installation, and sustainment of integrated information warfare capabilities and services across all warfighting domains with an emphasis on Expeditionary Tactical Capabilities & Enterprise IT and Business Systems in order to drive innovation and warfighter information advantage.

Vision:

WIN THE INFORMATION WAR.

Follow us on Social Media
Search "NAVWAR"



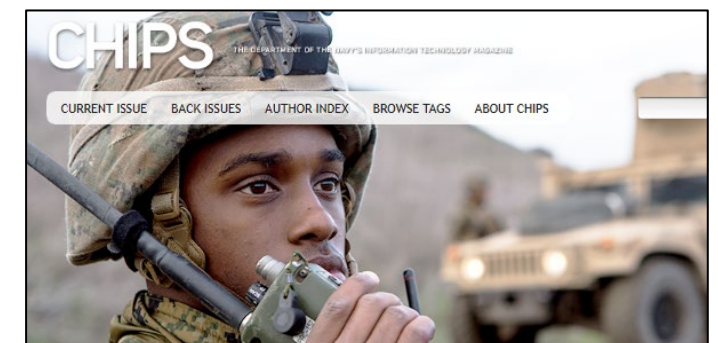
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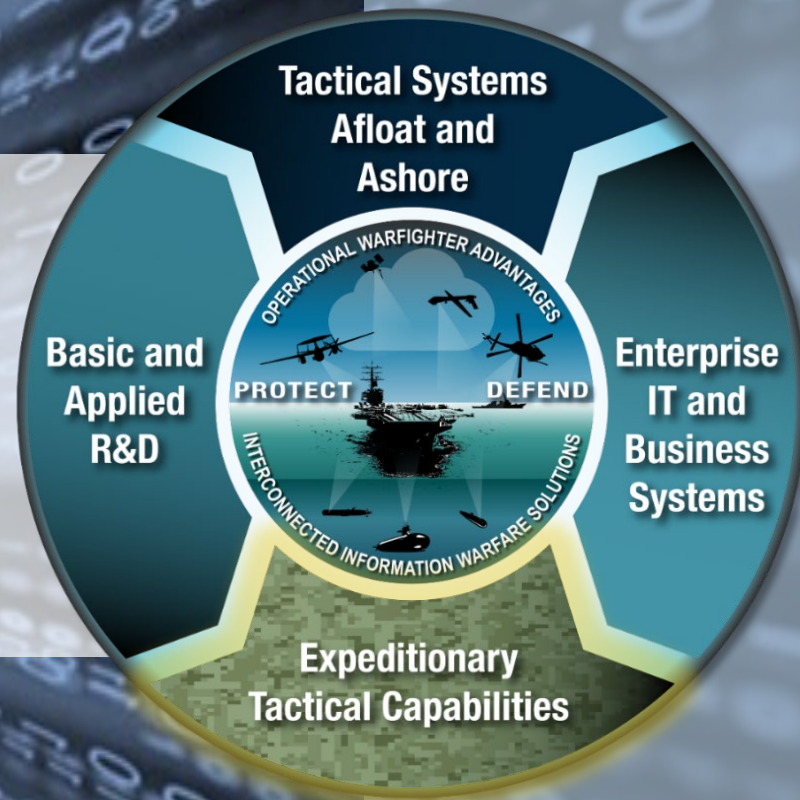
Expeditionary Intelligence & Command & Control Division

Toby Straight

NIWC Atlantic

Expeditionary Intelligence & Command & Control

Division Head



Expeditionary Intelligence & Command & Control (EIC2) Division Overview

Primary Partners:

- PEO LS (PM ICO)
- PEO LS (MAGTF C2)
- SOF AT&L (PEOs Tactical Information Systems)
- NSA
- TECOM
- FMF

Focus Areas

Information and Data
Architecture / Enterprise
Services

Sense, Make Sense, Act

Naval Integration

Fleet Engagement

Talent Management-

Invest in People (USMC
101, SIF, Recon/Counter
Recon)

What We Do

- Develop, integrate and equip Expeditionary Forces with C4ISR capabilities that provide fused situational awareness, facilitates information sharing and increases the military decision and action process faster than our adversaries..

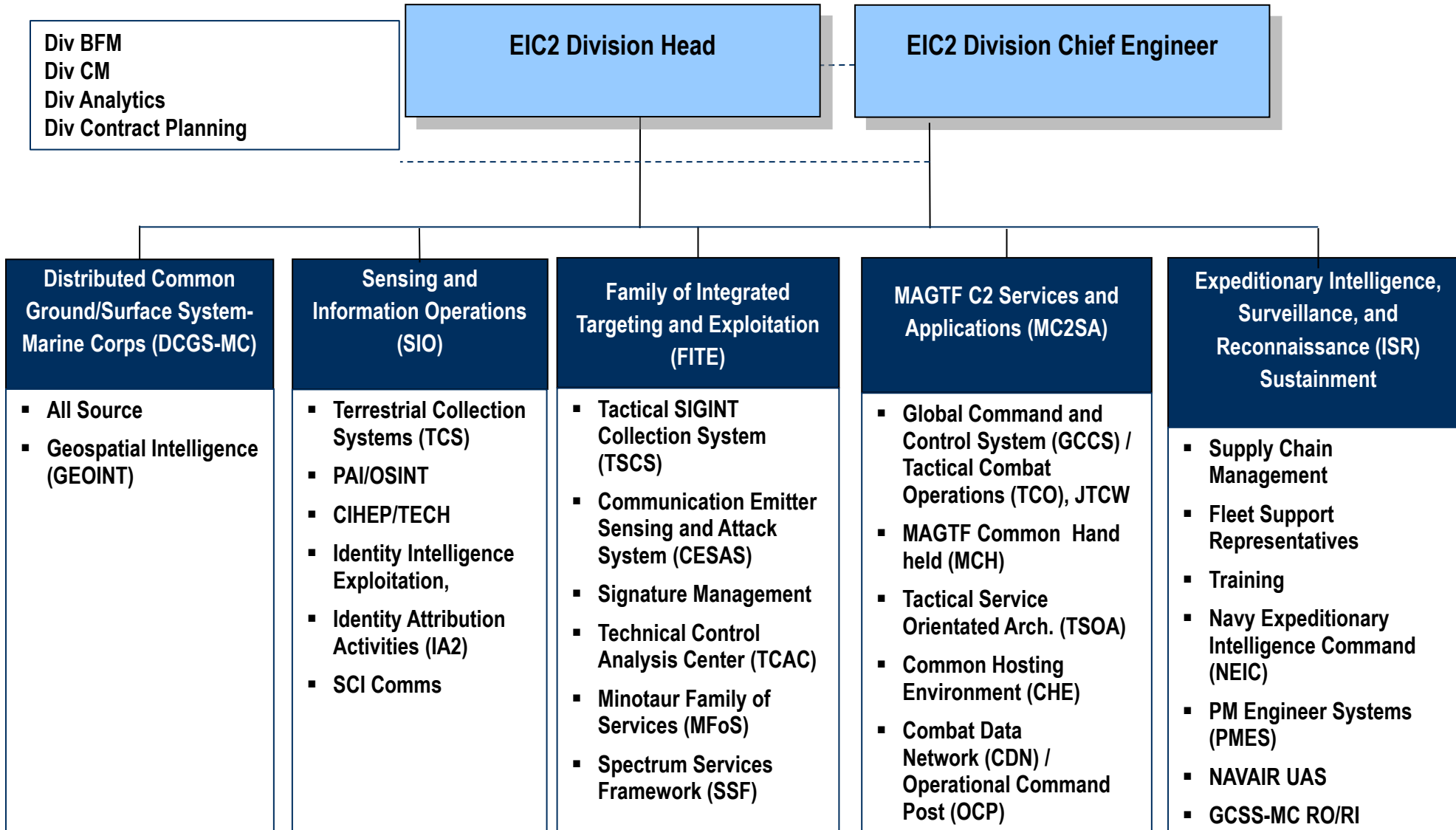
Solution Areas (Horizontal/Vertical Integration)

- Measurement and Signature Intelligence
- Signals Intelligence
- Electronic Warfare
- Geospatial Intelligence
- Counter Intelligence
- Open Source and Social Media Intelligence
- Identity Operations
- Command and Control (GCE, ACE, CE)



MCISRE 2030 must align service intelligence, surveillance and reconnaissance effort to achieve decision advantage for the Fleet Marine Force commanders and intelligence leaders with all domain ISR battlespace awareness, predictive analysis, and assessment necessary for increased lethality and expeditionary force dominance of actively contested littoral spaces.

EIC2 Expeditionary Intelligence & Command & Control Division Organization



Embeds:

- PEO LS PM ICO, PM Eng Systems, MAGTF C2
- MARSOC
- Bahrain
- MCLB Albany
- I, II, III MEF
- 29 Palms
- MCB Kaneohe Bay
- MCTSSA
- Regional Intel Trng Centers, Marine Corps Intel Schools

Infrastructure Investments (Gov Site):

- 4 Secret labs; 3 SVTC (2 on MCEN-S)
- 1 Unclass lab (MCEN-N Wired/WiFi)
- Complete Legacy COC Tent with Gen, HVAC
- Ranges - SAUSR, Poseidon Park, Sullivan's Island
- SDREN

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Questions?

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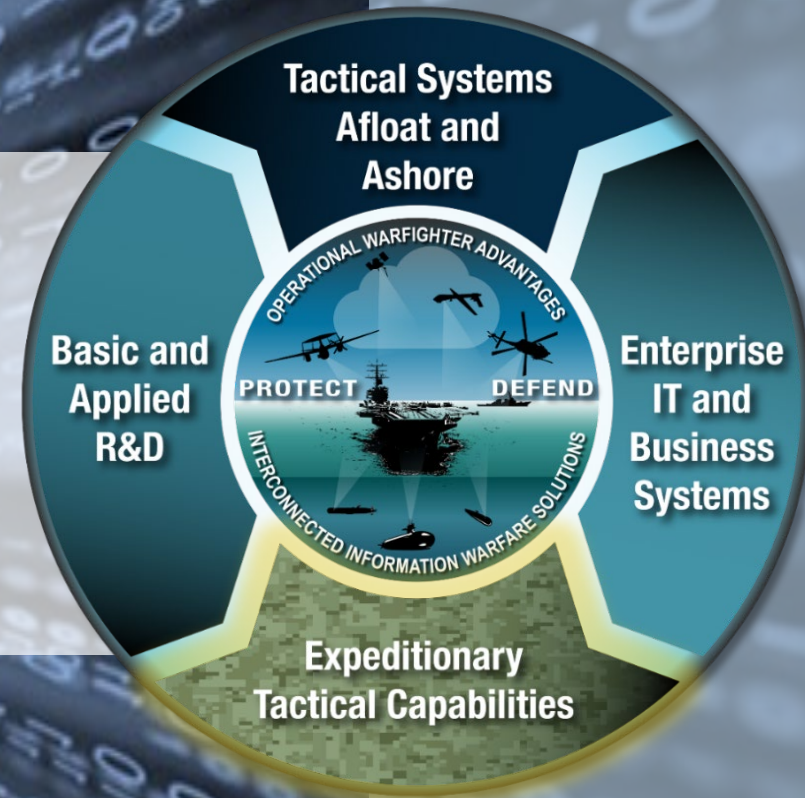
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Expeditionary Enterprise Systems and Services Division

Steve Clinton

NIWC Atlantic

Expeditionary Enterprise Systems and Services
Division Head



Expeditionary Enterprise Systems and Services (E2S2) Division

IPTs

Enterprise Infrastructure
Modernization

Enterprise Communications
Infrastructure

Enterprise Engineering &
Integration Services

Chartered to conceive, develop, implement, operate, and modernize enterprise network services and infrastructure for the Department of the Navy, through the USMC.

- **Enterprise network services**

- Marine Corps Business Operations Support Services (MCBOSS; Marine Corps DevSecOps Platform Services)
- Enterprise Staging & Delivery (ES&D)
- Direct support for sponsors (PEO DES/MLB)

- **Enterprise network infrastructure**

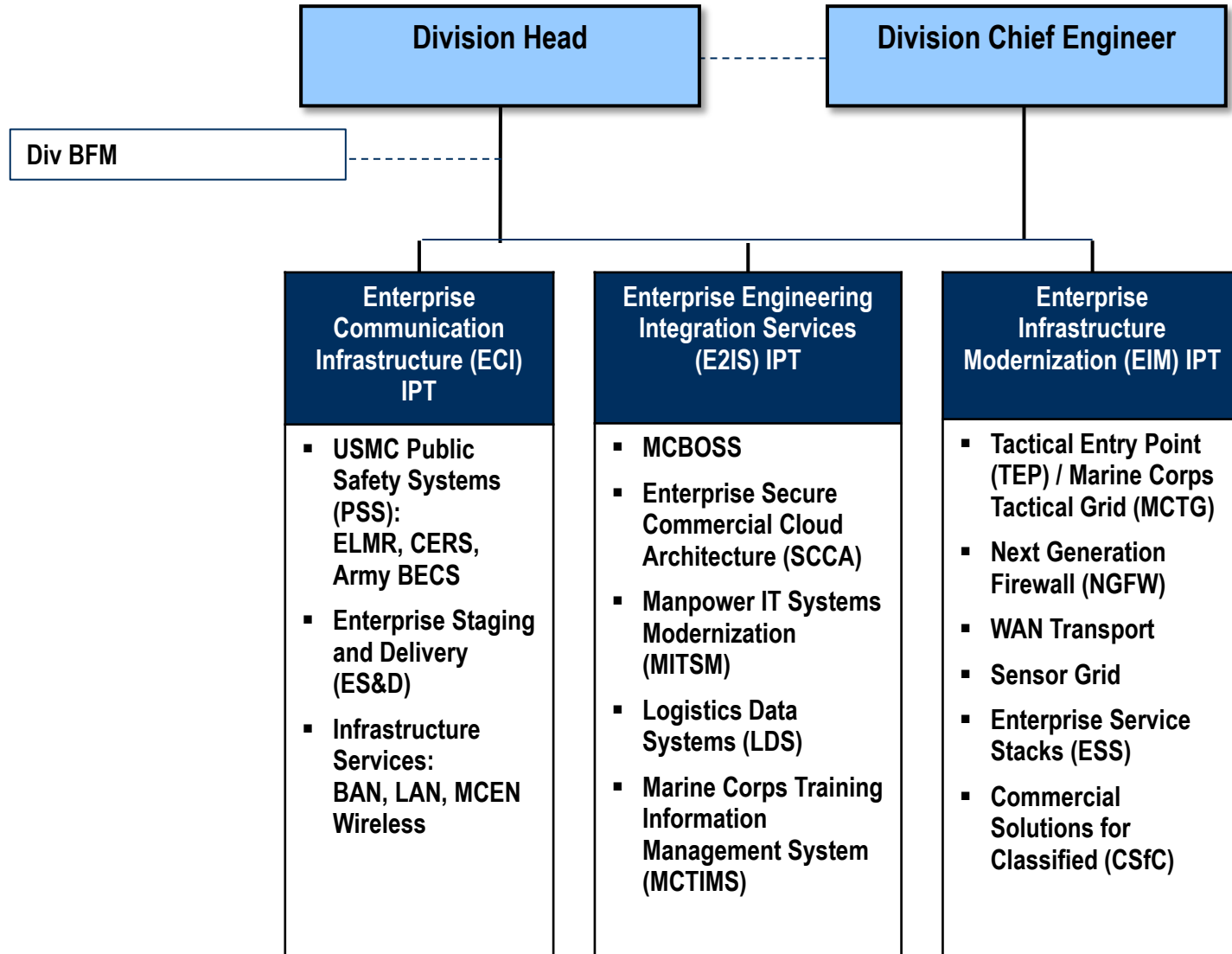
- Enterprise Infrastructure Modernization (EIM)
- Commercial Solutions for Classified (CSfC)
- Marine Corps and Army Public Safety Systems (PSS)
- Infrastructure Services, Transport & Communications (ISTC)

Engineering Solutions Supporting the Warfighter in Garrison and Forward-Deployed

Partners



E2S2 Division Organization / IPT Efforts



Embeds:

- PEO Digital Enterprise Services (DES)
 - MCEN
 - LACE
 - PfM CaOS
 - PfM DWS
- PEO Manpower, Logistics, & Business Solutions (MLB)
 - MITSM
 - LI2S
 - SMDS

Infrastructure Investments (Gov Site):

- 2 SECRET labs; 1 MCEN-S SVTC
- 2 UNCLASS labs
 - EIM / IPOC
 - PSS

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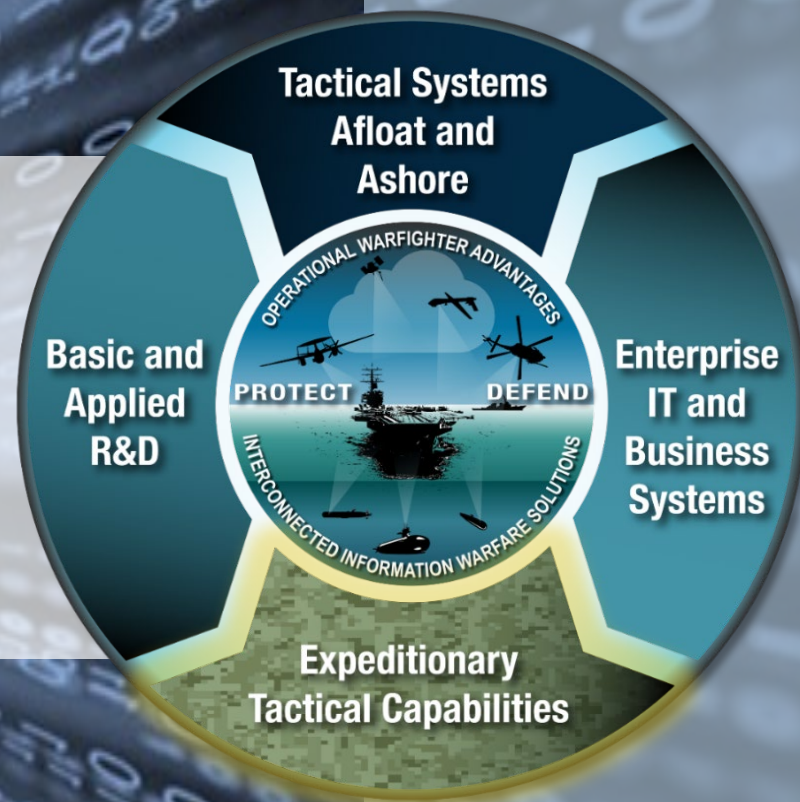
Expeditionary Platform Integration Division

Jeffrey Sims

NIWC Atlantic

Expeditionary Platform Integration

Division Head



Expeditionary Platform Integration (EPI) Division Overview

Primary Partners:

- **PEO Land Systems**
 - PM Advanced Amphibious Assault
 - PM Ground Based Air Defense
 - PM Light Armored Vehicles
 - PM Motor Transportation
 - PM MAGTF C2 – (NOTM & EXCOMM)
- **MARCORSYSCOM**
 - PFM GWS – PM Fires
 - PM Tactical Communications
 - Electromagnetic Warfare Systems – PdM EWS
- **USN - Naval Expeditionary PO**
- **USA**
 - PEO CS & CSS – PdD Light Tactical Vehicle
 - Army FMS
- **USAF - AFCENT/MRAP PO/JLTV PO**
- **SOCOM PEO SW**
 - FOSOV - NSCV

IPTs

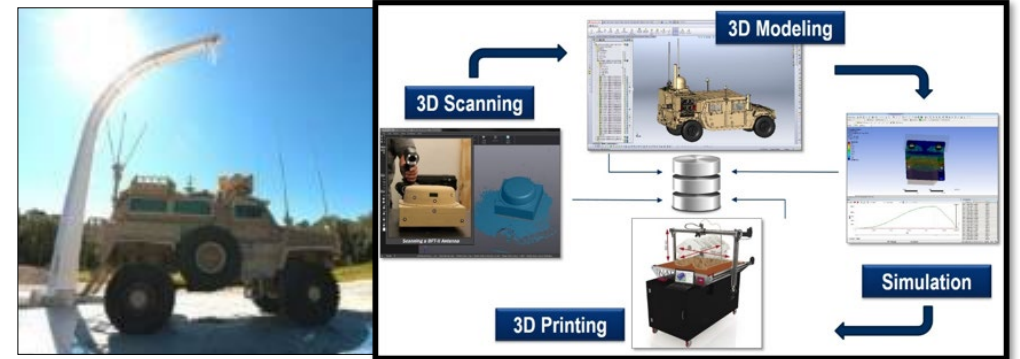
Vehicular Technology Transition
Modern Vehicle Fielding
Counter Threat Platforms
Fielded Ground Systems

What We Do:

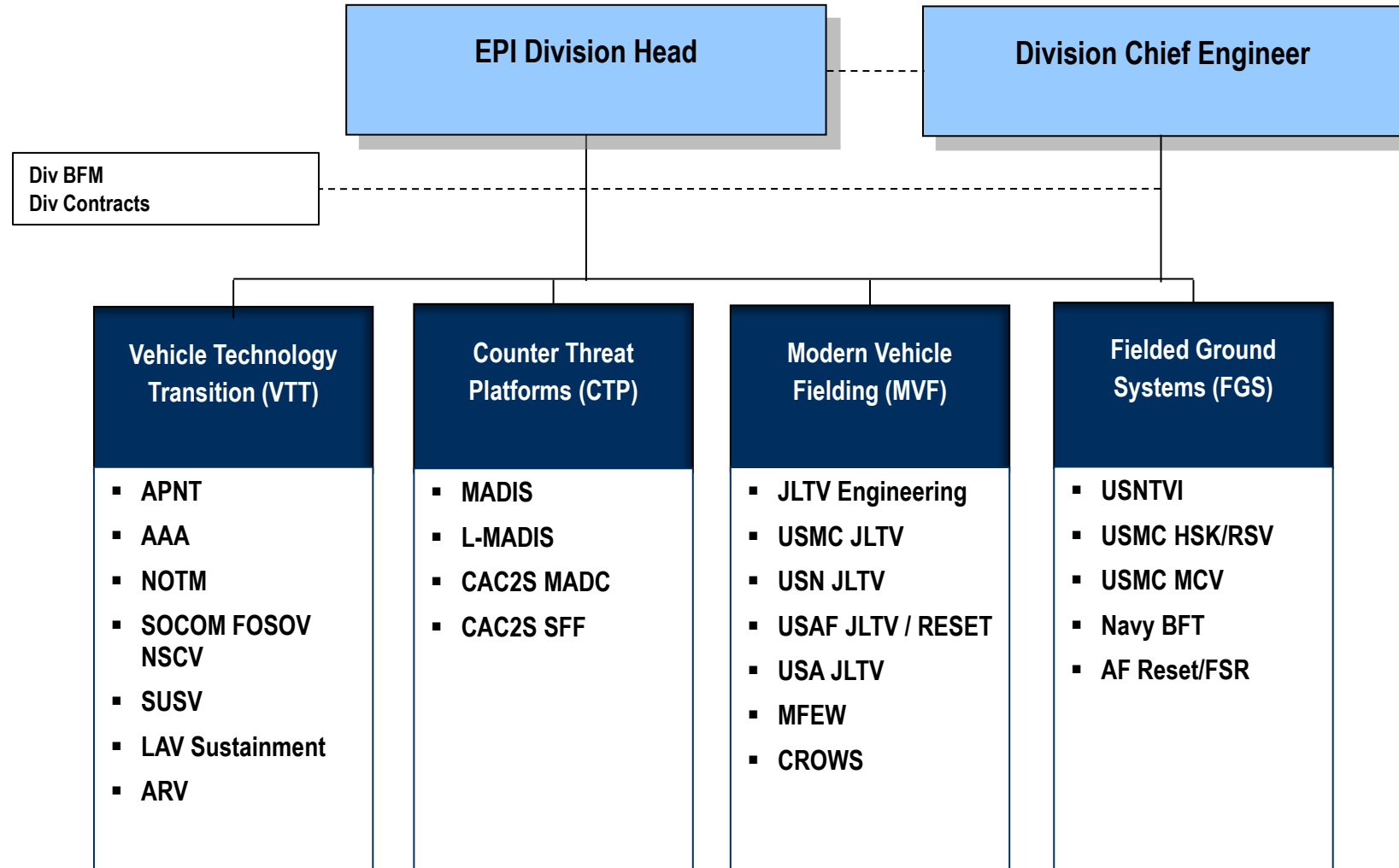
Provide **design, engineering and full scale integration** of C5ISR capabilities into tactical platforms. **Improve efficiency and effectiveness of integrated capabilities on platforms for specific mission activities.**
Provide **lifecycle sustainment support.**

Major Systems / Solutions

- C5ISR system integration (USMC, SOCOM, USN, USA, USAF)
- Platforms:
 - JLTV, ACV FoV, ARV FoV, LAV FoV, ULTV, MTRV, LVSR, P-19R, and NSCV
- Networking on the Move (NOTM)
- Assured Position Navigation and Timing (A-PNT)
- Marine Air Defense Integrated System (MADIS)
- Digital Engineering Environment
- GPS Simulation Capabilities



EPI Expeditionary Platform Integration Division Organization



Embeds:

- PM TCE
 - PdM EWS
- PEO LS
 - PM AAA

Infrastructure Investments (Gov Site):

- Vehicle Integration Facility
- 1 Secure Lab (APNT)
 - JIOR / SDREN
- ESIIIC Bay - GSILs
- Ranges
 - SAUSR
 - Poseidon Park
- ODM Lab

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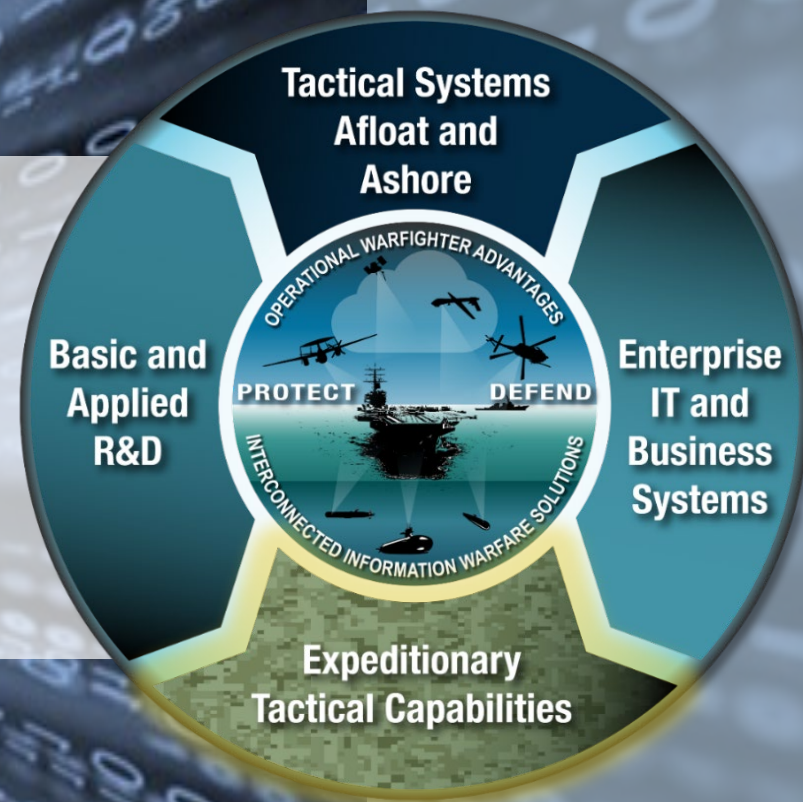
Expeditionary Communications & Systems Innovation Division

Eric Gustafson

NIWC Atlantic

Expeditionary Communications & System Innovation

Division Head



Expeditionary Communication & Systems Innovation (ECSI) Division Overview

Primary Partners:

- **MARCORSYSCOM**
 - Program Mgr Tactical Communications & Electromagnetic Warfare Systems (PM TCE)
 - Prog. Mgr Combat Support Sys. (PM CSS)
- **Program Executive Office Land Systems (PEO LS)**
 - Program Mgr Expeditionary Radars (PM ER)
- **US SOCOM**
 - Program Executive Office Tactical Information Systems (PEO TIS)
 - Program Executive Office Enterprise Information Systems (PEO EIS)
 - Program Executive Office SOF Digital Applications (PEO SDA)
- **MCWL**
 - S&T Div
 - Ex Div
- **ONR**

IPTs

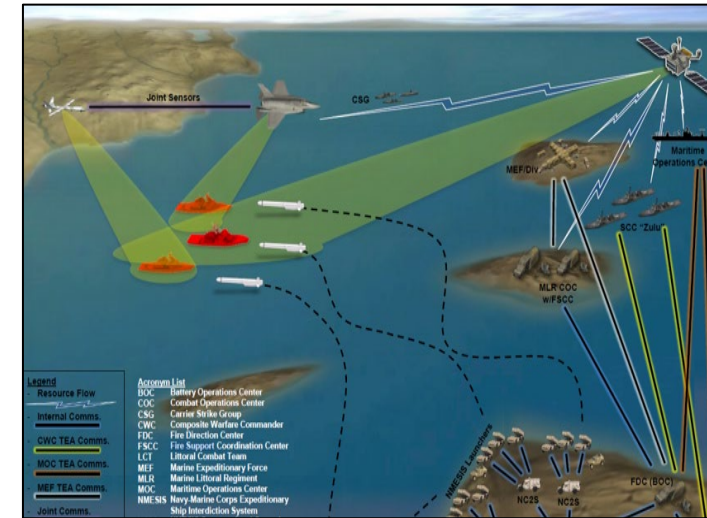
- Advanced Technology Development (ATD)
- USMC Communications Systems (UCS)
- Special Operations Comms Systems (SOCS)
- Special Operations Intelligence Systems (SOIS)
- Electromagnetic Warfare Systems (EWS)

What We Do

- Develop, integrate and equip Expeditionary Forces, to include both USMC and SOCOM forces, with advanced, secure communication and systems solutions to ensure rapid deployment and operational effectiveness for expeditionary forces in challenging environments

Major Systems / Solutions

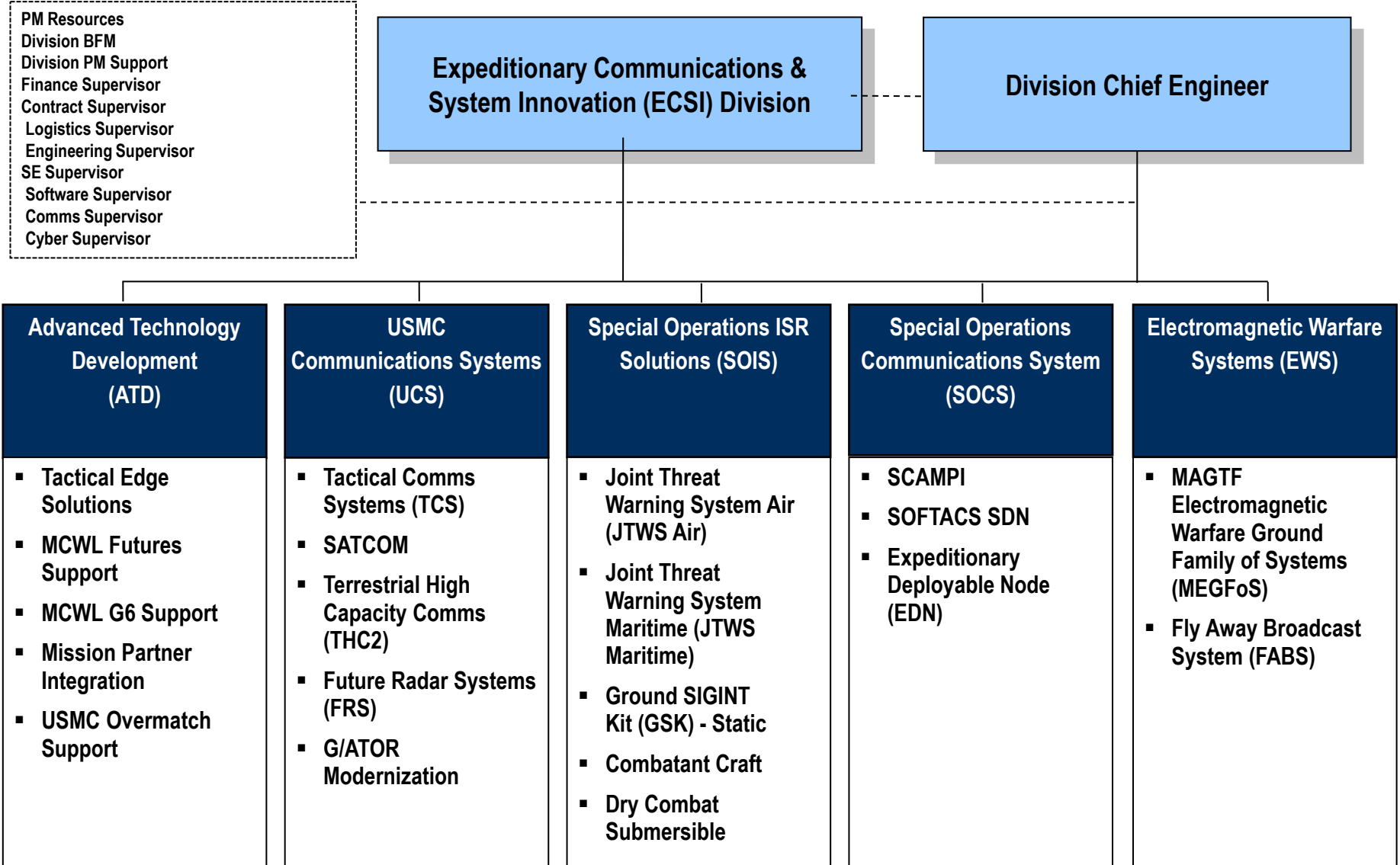
- Tactical Edge Node Expeditionary (TEN-X)
- Virtual Stand-In Force (VSIF)
- Multi-Band/Channel Radio, High Frequency Radio, Handheld Link-16 Radio
- Handheld Radio Test Set (HHRTS)
- Medium Range Air Defense Radar (MRADR)
- Marine Corps Wideband Satellite Communications (MCWS) Family of Systems (FoS)
- Ground / Air Task Oriented Radar (G/ATOR)
- Next Generation Troposcatter
- Line of Sight Radio Systems (LRS)
- Tactical Elevated Antenna Mast System II (TEAMS II)



- Free Space Optics
 - Expeditionary Advanced Ground Link (EAGL)
- Satellite Deployable Node (SDN) and SCAMPI Network
- Joint Threat Warning System (JTWS)
- Combatant Craft
- MAGTF Electromagnetic Warfare Ground Family of Systems (MEGFoS)
- Fly Away Broadcast System (FABS)

Provide and Sustain Tactical Communications Capabilities and System Solutions to Expeditionary Forces

ECSI Expeditionary Communications and System Innovation Division Organization



Embeds:

- USSOCOM SOF AT&L
 - PEO Maritime
 - PEO SDA
 - PEO TIS
- MCWL
 - ISSM
 - Future Division Operations
- Naval Integration (MCSC)
 - USMC Assistant Chief
 - Engineer
 - Data Scientist
- Marine Corps Systems Command

Infrastructure Investments (Gov Site):

- NSA Net VTC
- Secret lab
- Ranges – SAUSR, Poseidon Park, Sullivan's Island
- JICD 4.2 Test / Dev network
- FITC Experimentation Node
 - SECRET Lab (SVTC)
 - ESIIC Bay
 - Ranges
 - SAUSR
 - Poseidon Park

Equipping the Force





Mission:

Conduct research, development, prototyping, engineering, test and evaluation, installation, and sustainment of integrated information warfare capabilities and services across all warfighting domains with an emphasis on Expeditionary Tactical Capabilities & Enterprise IT and Business Systems in order to drive innovation and warfighter information advantage.

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