

NUWC DIVISION, KEYPORT

CODE 50 UNMANNED AND THEATER UNDERSEA

WARFARE SYSTEMS DEPARTMENT

Industry Day Brief, John Kenney, Department Head

14 March 2023



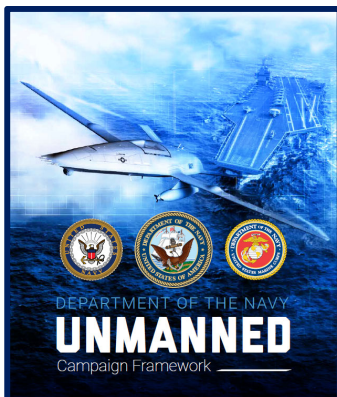
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Department Mission and Vision

Mission: “We drive the product realization of systems, platforms, and operations throughout the Unmanned enterprise and across the Theater USW spectrum.”

Vision: “Accelerate unmanned and theater undersea warfare capabilities to advance maritime dominance.”

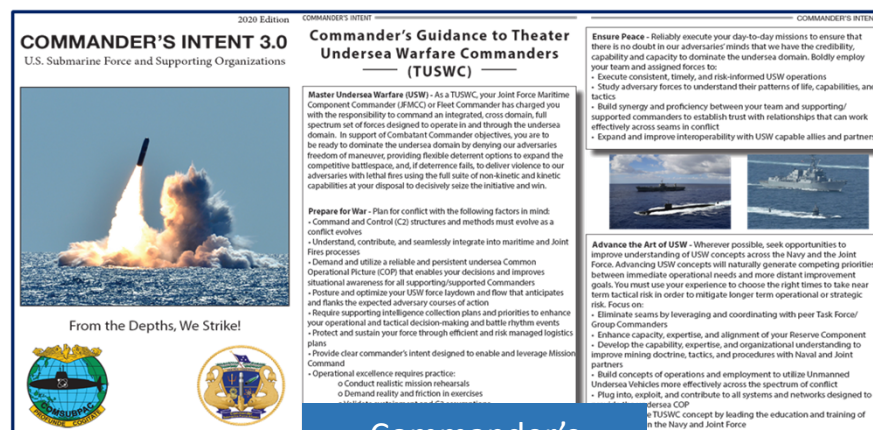
SHAPING OUR ORGANIZATION



Unmanned Campaign Framework



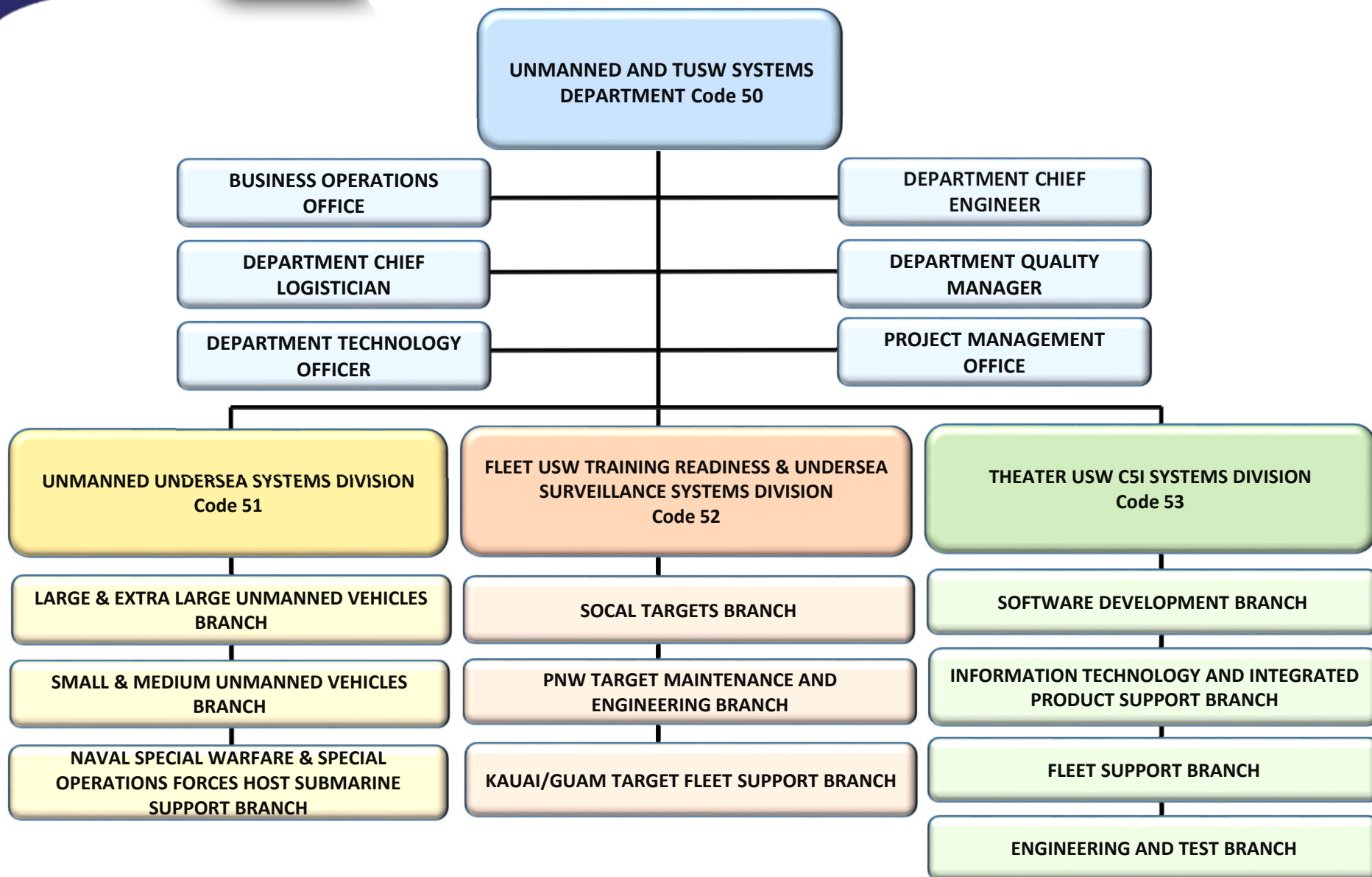
PMS 406 Strategic Plan



Commander's Intent 3.0



Code 50 Organization Chart



What We Do

Systems:

- Undersea Warfare Command and Control Systems
- Unmanned Undersea Vehicles
- Undersea Targets
- Subsea/Seabed Warfare Systems
- Special Operations Forces
- Science & Technology Projects



Functions:

- Systems Engineering
- Software Engineering
- Integrated Product Support
- Fleet Support
- Maintenance
- Engineering, Academia, and Fleet Partnerships

Code 51 Competitive Contracts Projections

Projects	Type	Description	ROM	Anticipated Need
Medium UUVs	Parts	Various parts necessary to maintain Medium UUVs	\$500K - \$1M	FY23-FY29
SOF COH	Material & Services	ALS Off-Gas Kits - Various Test Tubes – Gas Sample Analyses Reports	\$50K	Q2FY24
SOF COH	Services	Oxygen Booster Pump Refurbishment – services required to convert existing Haskell 15/30 into the HS-121055M2 with a pelican case	\$24K	Q3FY24
NISE	Equipment	Vacuum Oven – accelerate curing of non-metallic material	\$250K	Q2FY24

Code 52 Competitive Contracts Projections

Projects	Type	Description	ROM	Anticipated Need
RDAS Ballast Point Lab	Material & Services	Stainless Steel water-tight corrosions resistant enclosure, mounting assembly (design and fabrication)	\$20K	Q4FY23
NISE	Material	Electrical Testing Equip.	\$200K	Q2FY24
NISE	Material	UUV Communication Components and Fabrication	\$50K	Q2FY24
NISE	Material	Fabrication equipment, 3D Printers, Mill/Drill, etc.	\$100K	Q2FY24
NISE	Material	Wave Propagation project – Electronic Components	\$40K	FY23-FY24
SURTASS-E	Material	Fabrication of SURTASS-E components and COTs Items (Per Van)	\$75K	FY23-FY26
USW-DSS	Material	Fabrication of USW-DSS components and COTS Items (DSS Slocum Gliders Refurb)	\$3M	FY23-FY26

Code 52 Competitive Contracts Projections (Cont.)

Projects	Type	Description	ROM	Anticipated Need
MK30 ISEA	Material	Life-Cycle Support Components for MK30 Targets	\$1.5M	FY23 ~ (annually)
MK30 ISEA	Services	Support Services (SeaPort) – Various	\$320K	FY23 ~ (annually)
MK30 SLEP	Material	Fabrication of new redesign/reverse engineered parts for MK30	\$100K	FY23~ (annually)

Code 53 Competitive Contracts Projections

Projects	Type	Description	ROM	Anticipated Need
USW-DSS	Material	Mini-PCs, Shipboard Computers, Server Rack Enclosures (Quantities are TBD)	TBD	Q3FY24
USW-DSS/CV-TSC	Services	IT Specialist – OSR San Diego Tech Rep – USW/Combat Systems Installation/Repair Experience	\$150K	Q1FY24
USW-DSS	Material	Cables	TBD	FY23/FY24
CV-TSC	Material	Medium-sized business class servers to serve as commercial equivalent for training – Furnish TI-16 Training Sites	TBD	Q1FY25
CV-TSC	Material	Keyboard Video Mouse (HMI) drawers – Furnish TI-16 Training Sites	TBD	Q1FY25
CV-TSC	Service	Shipboard equipment nameplates & labels for labelling Gen2 IPS, new printers	TBD	FY23
CV-TSC	Material	Sheet metal retail/distributors; looking for small quantities of steel in support of Common Processing Systems Tech Refresh	TBD	FY23
CV-TSC	Service	Small quantity sheet metal manufacturing capabilities – Gen 2 IPS	TBD	FY23
NISE	Material	Servers and Switches	TBD	FY23/FY24

Code 53 Competitive Contracts Projections (Cont.)

Projects	Type	Description	ROM	Anticipated Need
UOC	Material	Iridium Assembly Materials	TBD	Q4FY23
UOC	Material	NE Storage Solution – Hard Drives and other appropriate materials	TBD	Q4FY23, FY25
UOC	Material	Video Distribution System – monitors and control equipment	TBD	Q3FY23
UOC	Material	Mirror Rack NE/SE/HSE – Servers, switches, and other materials	TBD	FY24
UOC	Material	VxRails Tech Refresh	TBD	FY26/FY27

QUESTIONS?



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