NAVY MANTECH
Program Overview
"ManTech 101"

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Manufacturing Technology (ManTech) Program
Code 332
Advanced Naval Materials & Systems Division

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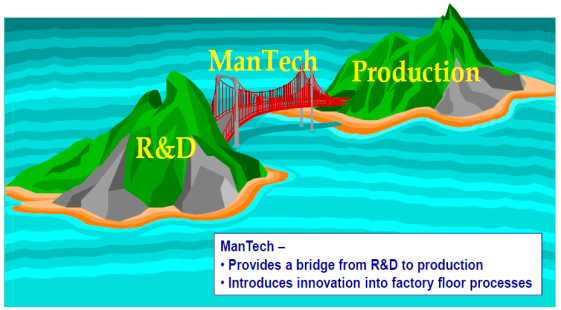
NAVY MANTECH
Program Overview

- **PE 0603680N – Manufacturing Technology (ManTech)**
- **Established USC Title 10, Section 4841**
- **Mission:** Industrial Preparedness
  - Development of enabling manufacturing technology – new processes and equipment – for implementation on DOW weapon system production lines
  - DOW 4200.15 states investments should:
    - Transition emerging S&T results to acquisition programs
    - Improve industrial capabilities in production, maintenance, repair and industrial base responsiveness
    - Advance manufacturing technology to reduce cost, improve performance, and responsiveness
- **Execution:**
  - ManTech Centers of Excellence (COEs)
- **POCs:**
  - ONR Program Officers / COEs
    - Navy ManTech POC Directory provided at event registration



NAVY MANTECH
Requirements

Requirements (DOW 4200.15, E2.1.3)

- Well-defined DOW requirement for the technology (“Tech Pull”)
- Technology demonstrated in lab environment
- Can be delivered in time to meet the requirement
- Results applicable to more than one weapon system, component, or end item
- Specific plan to transition, implement, and insert results
- Potential for multiple Component-sponsored investments investigated
- Investment not duplicative of other activities, both within and outside ManTech

Restrictions (DOW 4200.15 E.2.2 / Other Sources)

- Routine application of existing technology
- Investments specifically intended to change an end item's design
- Purchase of off-the-shelf equipment (unless a minor portion of the investment and required to establish the first-case application of the ManTech deliverable)
- Purchase of capital facilities
- Implementation of manufacturing technology beyond the first-case application
- A technology application unique to a single weapon system
- General Technology Development (Tech Pull/No Specific Requirement)
- Materials Development
- Component/system certification or qualification testing
- Technology proprietary to one company

NAVY MANTECH
Project Types

- **Standard Projects (majority of funding)**
  - 12 - 36 months duration
  - $500K - $3M range

Defined through annual Planning Cycles (initiation after 1 Oct each FY)

- **Rapid Response (RR) Projects - urgent requirement**
  - Typically, 4 - 9-month duration
  - $50K - $250K range

Could be through annual Planning Cycle or off-cycle for quicker starts

NAVY MANTECH
FY27 Investment Strategy

Transitioning Advanced Manufacturing Technology to the Fleet

NAVY MANTECH
FY27 Investment Strategy

Objectives

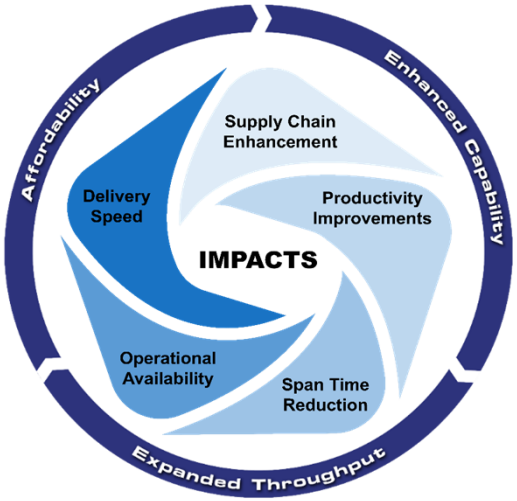
- **Develop enabling manufacturing technology** – new processes and equipment – for implementation on DOW weapon system production lines
- **Deliver highest impact manufacturing technology** for implementation to benefit the fleet
- **Focus on expanded throughput, affordability, and enhanced capability** – enabling the ability to expand production at scale throughout the life-cycle
- **Operate synergistically with other industrial base programs** (i.e., Submarine Industrial Base (SIB), National Shipbuilding Research Program (NSRP), and others.
- **Comply with USC Title 10, Section 4841** and **DOW 4200.15**

Primary Platforms

Partner with PAEs, PEOs, Program Offices, and industry for **successful transition and implementation**

Impacts

Deliver **expanded throughput, affordability, and enhanced capability** to improve the Navy's industrial base



NAVY MANTECH
Execution Through COEs

- **Centers of Excellence (COEs)**
  - Execute projects and manage project teams
  - Collaborate with acquisition program offices / industry to identify and resolve manufacturing issues
  - Develop and demonstrate manufacturing technology solutions for identified Navy requirements
  - Facilitate transfer of developed technologies

- **Composites (CMTC)**
  - Polymer and Ceramic Matrix Composite Processes
  - Nonmetallic Material and Processes
  - Automated / Robotic Manufacturing and Inspection
  - Polymer-based Additive Manufacturing
- **Program Officer: Neil Graf**

- **Shipbuilding and Advanced Manufacturing (NSAM)**
  - Digital Enterprise: Model-based Tools
  - Design for Producibility / Manufacturability
  - Process Improvement Technologies for Sustainment
  - Intelligent Manufacturing Planning / Factory Execution
- **Program Officer: Paul Huang**

- **Metalworking (CNM)**
  - Joining Technologies
  - Metals Manufacturing Processes
  - Robotics and Automation
  - Inspection Technologies
- **Program Officer: Dr. Jeff Farren**

- **Electronics (EMC)**
  - Focal Plane Array and EOIR Sensor Technologies
  - Optics, Coatings, Fiber and Photonics Technologies
  - Image Processing and Inspection Systems
  - Lasers and Laser Weapon Systems
- **Program Officer: Will Crespo**

- **Manufacturing & Sustainment (iMAST / REPTECH)**
  - Advanced Manufacturing / Repair Process Development
  - Digital Manufacturing Integration and Advance Data Analytics
  - Complex System Health Monitoring for Sustainment
  - Novel Surface Treatment Processes
- **Program Officer: Paul Huang**

- **Electro-Optics (EOC)**
  - Advanced and Automated Packaging
  - RF and Microwave Technologies
  - Compound and Wide-Band Semiconductor Material Technologies
  - High Power and Energy Storage Technologies
- **Program Officer: Will Crespo**

- **Energetics (EMTC)**
  - Munitions Manufacturing
  - Synthesis of Energetic Ingredients
  - Propellant, Explosive, and Pyrotechnic Processing and Loading
  - Digitization and Modernization of Manufacturing Processes
- **Program Officer: Neil Graf**

NAVY MANTECH
Focus On Implementation

- **ManTech, alone, cannot ensure implementation …**
  - Need ONR / COEs / industry / Program Office all working together
- **Technology Transition Plans (TTPs) for each project**
  - Upfront agreement by all parties as to required actions / responsibilities from technology development through implementation (includes required resources for implementation)
  - Signed by Navy ManTech, COE Director, Industrial Facility Management, Program Office, and, if appropriate, the government technical authority
- **Implementation Risk Assessment / Management Process**
  - Recognize risks to implementation upfront and assess / manage through project execution
  - Risks discussed during Program Reviews to ensure ManTech on same page as acquisition / industry stakeholders
- **Primary Focus on Speed and Throughput**

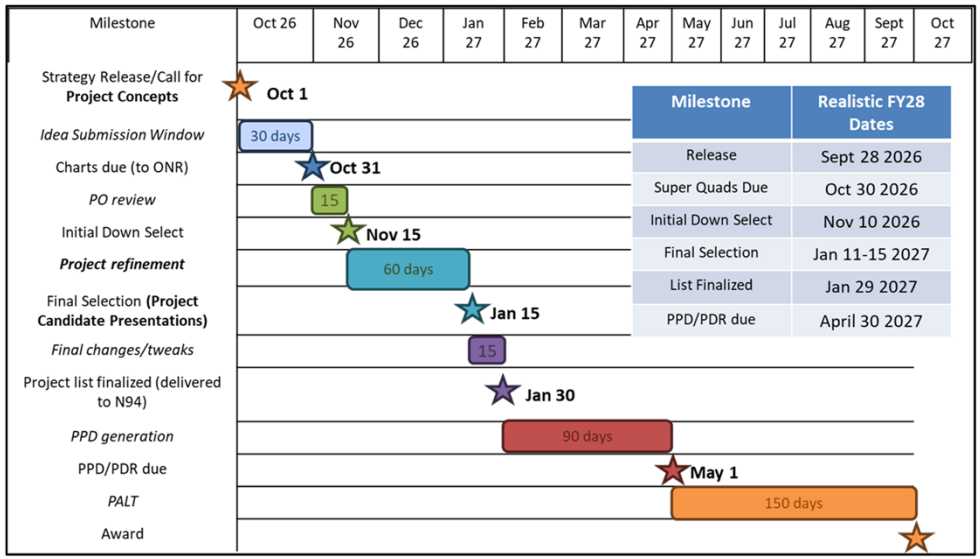
ManTech goal is technology implementation

NAVY MANTECH
Program Updates

- **Navy ManTech responding to latest Navy priorities:**
  - Updated FY28 Investment Strategy expected to be released in Summer 2026
    - Continue to focus on FY27 thrust areas:
      - Expanded Throughput
      - Affordability
      - Enhanced Capability
    - Primary focus on “Speed-to-Fleet” and “Throughput”
      - Shift from long-standing primary focus on platform affordability
      - Affordability is still a valuable metric but not anticipated to be primary objective
    - Alignment to PAE structure
    - Additional emphasis on Navy sustainment enterprise
  - **Enhanced Program Metrics**
    - Focusing on measuring impact by outcomes that enhance:
      - Expanded Throughput
      - Affordability
      - Enhanced Capability
  - **Reduced Project Execution Cycle Timeframe for Faster Delivery of Impacts:**
    - Project development cycle reduced to 1 year
    - Typical execution cycle of 2 years or less
    - Anticipated implementation cycle of 1 year

NAVY MANTECH
FY28 Planning Cycle

- **12-month Planning Cycle**
  - Reducing planning cycle from 18 months to 12 months
  - 12-month planning schedule (right)
    - Continuous project ideation cycle
    - Release project call in Oct
    - COEs take lead on identifying and maturing project ideas from government, shipyards, industry, etc.
    - Project Selection Meeting in Jan
    - Project development authorization ~ May 1 – Will be “Drop Dead” Date
    - 150-day contracting action schedule for new project award by Oct



- Continuous development cycle throughout year
- Ready to go efforts upon approval
- Focus on speed

NAVY MANTECH
Industry Role

Active industry participation also critical for success

- **Participate in annual planning effort with COEs**
  - Identify manufacturing issues COEs can help address
  - Scope out / refine candidate projects
  - Provide input to ManTech planning deliverables
  - Provide input to Project Plan
  - Ensure commitment to implement - identify implementation requirements and identify resources
  - Help develop project Technology Transition Plan (TTP)

- **Obtain management signature on Technology Transition Plan (TTP)**

- **Execute project with COE**
  - Execute per Project Plan
  - Participate in project meetings / discussions as required

- **Participate in semi-annual Program Reviews**
  - With COE, brief project

NAVY MANTECH
Program Office Role

*For FY28, investigating alignment with PAE structure

Active Program Office participation critical for success.
ManTech, alone, cannot ensure implementation.
Need ONR / COEs / Industry / Program Office all working together

- **Participate in annual planning effort**
  - Motivate relevant platform PAE, PEO, Program Offices, and industry partners to participate
  - Participate in planning process - pre-screen candidate projects for applicability, implementation potential, impact, and outcomes (Oct - Jan timeframe)
  - Provide Program Office ranking/approval of candidate projects (Jan timeframe)
- **Review and sign project Technology Transition Plans (TTPs)**
- **Participate in portfolio Affordability Assessment process and provide PO concurrence twice annually**
- **Participate in semi-annual Program Reviews**
  - Help coordinate and review portfolio
  - Provide Program Office Implementation Risk Assessment info real-time after each project is reviewed
  - Hosted approx. 50% at COEs / 50% industry
- **PO technical representatives participate in project meetings / discussions as required**

NAVY MANTECH
FY28 Planning Cycle

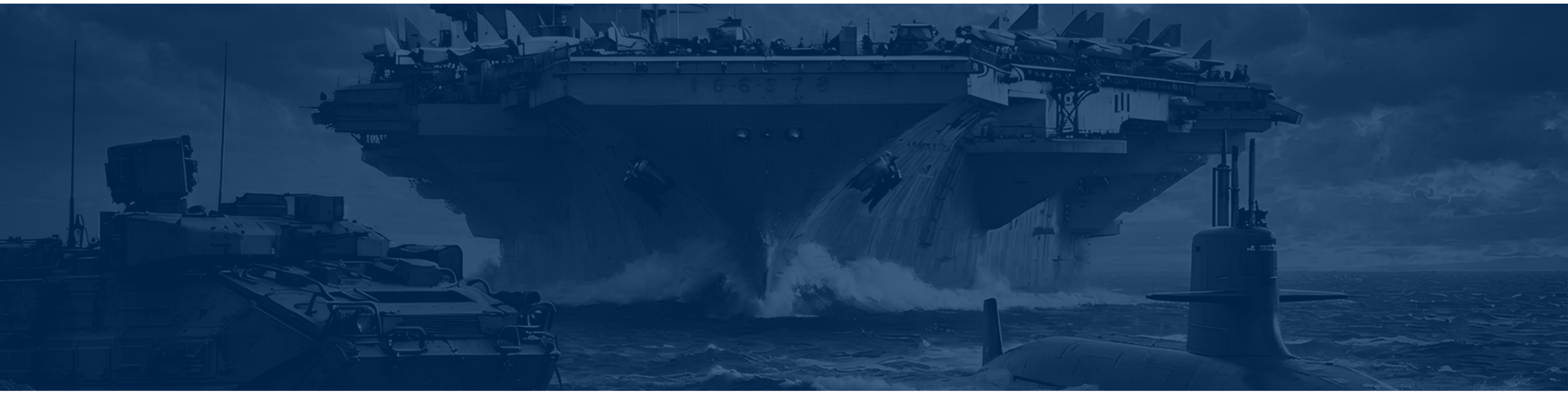
* Industry Input
** PAE / PEO / Program Office Input

1. Release of FY28 Strategy	June 2026
2. Strategy Release / Call for Project Concepts (30 days)	Oct 2026
3. Concept Submission Due to ONR *	Oct 2026
4. Program Officer Review (15 Days)	Nov 2026
5. Initial Downselection for Concept Development	Nov 2026
6. Project Concept Refinement (60 Days)	Jan 2027
7. FY28 Project Portfolio Selection **	Jan 2027
8. Complete Selection Meeting Actions and Updates (15 Days) *	Jan 2027
9. Final FY28 Project List Submission	Jan 2027
10.Project Planning Document Generation (90 Days) *	Apr 2027
11.Project Development Request Due	Apr 2027
12.Project Proposal Phase (150 Days) *	Sep 2027
13.Project Award	Oct 2027

NAVY MANTECH
Special Broad Area Announcement

- **ONR SPECIAL BROAD AGENCY ANNOUNCEMENT (sBAA)**
  - N00014-26-S-B002, “Accelerating Maritime Modernization: Innovation in Naval Manufacturing, Sustainment, and Logistics”
  - Primary focus is on “Golden Fleet Initiative,” which aims to increase the speed, throughput, and availability of naval platforms by modernizing the industrial base
  - BAA solicits proposals across two funding categories:
    - **6.2 Applied Research** - foundational work in areas like AI/ML concepts and novel materials
    - **6.3 Advanced Technology Development** - maturing prototypes in areas such as digital planning tools, automation, autonomous inspection, and advanced electronics
  - Currently in development with official release planned in late-Q3 FY26

CONTACT US



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WASSP
Wartime Acquisition & Sustainment Support Plan

WASSP LEAD
CAPT Pete Maculan
ASNRDAWASSP@us.navy.mil

WASSP IS A STRATEGIC ASN (RD&A) INITIATIVE

REAL REQUIREMENTS.
REAL RECOMMENDATIONS.
REAL CHANGE.

Wartime Acquisition & Sustainment Support Plan (WASSP) follows the Acquisition Transformation Strategy, leading the transformation of antiquated acquisition and sustainment processes by prioritizing speed, flexibility and execution across Navy leadership, industry partners, and academia.

WASSP & WARPs

WASSP creates the WARP framework that fully aligns with the Global Maritime Response Plan (GMRP) - orienting acquisition and sustainment recommendations with Force Response Condition (RESCON) implementation considerations.

WASSP analyzes and integrates WARPs, testing them via tabletop exercises (TTXs), Fleet exercises, and lessons learned from real-world engagements, applying our subject matter expertise and historical context where needed.

WASSP identifies how to **increase** the speed of wartime acquisition and **reduce** sustainment chokepoints through leveraging our WASSP ecosystem.

Industry

INTEGRATE INDUSTRY CAPABILITY

WASSP continuously explores industry strategies to improve the speed of acquisition and sustainment to prepare for wartime.

Leadership

INCREASE NAVY CAPACITY

WASSP brings integrated, validated recommendations that meet warfighter requirements to the Secretariat's table, pushing for action at the right level.

WASSP works with academia to accelerate innovation and research in acquisition and sustainment.

LEVERAGE ACADEMIA KNOWLEDGE

Academia

WASSP Lead for ONR

[Name of your specific WASSP Lead]

[Contact Info for your specific WASSP Lead]

UNCLASSIFIED