Test Resource Management Center (TRMC) Overview



Regional Defense Partnership - 21

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May 2024



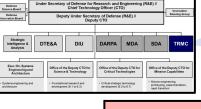


TRMC Organization



As of 09 MAY 2022

Under Secretary of Defense for Research and Engineering (R&E) // **Chief Technology Officer (CTO)**



Chief Operating Officer

Chief Financial Officer

Test Resource Management Center

Director

Principal Deputy Director

Chief Information Officer // Cyber Executive Agent

Chief Data Officer

Test Resource -**Governance (TR-G)**

- Test Ranges/Facilities/Capabilities Oversight
 - Major Range and Test Facility Base (MRTFB)
 - Chemical/Biological Test Facilities
 - Cyber Ranges and Software Testbeds
- Service/Agency T&E Budget Certification
- Range Sustainability
 - Environmental / Spectrum / Other Encroachment
 - Climate Change Impact Mitigation
- Test Range & Facility Workforce
- Test Range & Facility Policy
- Real Property / Infrastructure / MILCON
- T&E Master Plan (TEMP) Review (Resources)
- International Partnerships (for test capabilities)
- Other Federal Partnerships (DoE, DoT, DHS)

Test Resource -Modernization (TR-M)

- Strategic Plan for Test Resources
 - 30-year outlook
 - Updated annually
- Future Test Needs Forecast
 - Both capability and capacity needs
- Strategic Portfolios
 - Defense modernization acceleration
- Foundational Portfolios
 - Enterprise-wide test capabilities
- Test Resource Investment Roadmaps
- DoD Modernization Test Schedule **Deconfliction Clearinghouse**

Test Resource – Investments (TR-I)

- Test Technology Development
 - Test & Evaluation / Science & Technology
- Test Capability Development Central T&E Investment Program (CTEIP)
- Cvber Environments and Test Tools

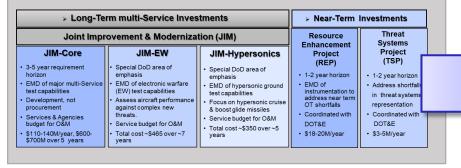
 - National Cyber Range Complex (NCRC)
- Joint Mission Environ. Test Cap. (JMETC)
 - JMETC Secret Network (JSN)
 - JMETC MILS Network (JMN)
 - Test & Training Enabling Arch. (TENA)
- Multi-Domain Operations Testing
- Mission-level // Digital Engineering
- Cloud T&E Services // DevSecOps
- Knowledge Management // Big Data



TRMC Investment Portfolios



Legacy Investment Structure



Strategic Portfolios cover <u>both</u> Offensive & Defensive

Portfolios support testing across all paths of the acquisition framework (Major Capability, MTA, Software, etc.)

Portfolios support all types of testing (Demos, Experiments, DT, OT, etc.)

Portfolios consist of investments across all test resource categories (M&S, Test Facilities, HWILs, SILs, Test Ranges, STBs, Workforce, etc.)

Portfolio Investment Structure

Strategic Portfolios

- Hypersonics
- Directed Energy
- Cyber
- Nuclear
- Electronic Warfare
- Space
- Autonomous Systems (and Artificial Intelligence)
- Multi-Domain Integration

Foundational Portfolios

- Common Range Instrumentation
- Target/Threat Systems
- Knowledge Management (and Big Data Analytics)

Major Projects

- Joint Improvement Modernization
- Quick Reaction Test Capability

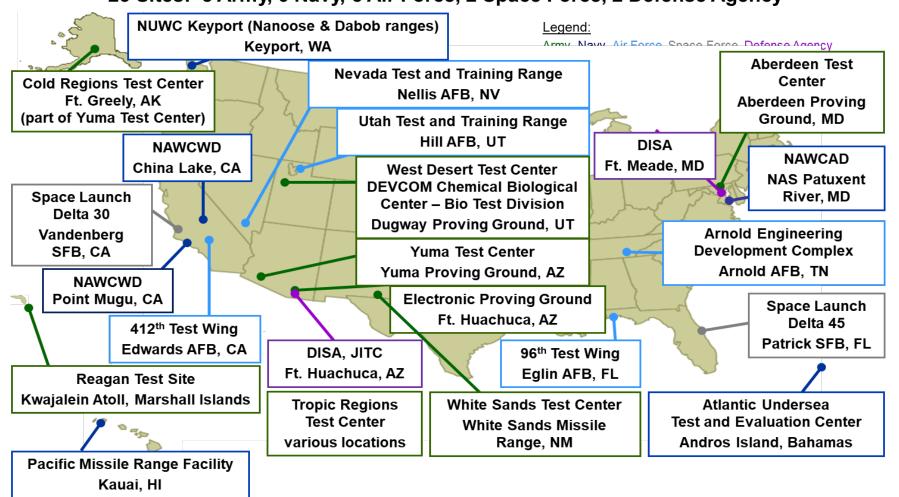


Major Range and Test Facility Base



As of 26 AUG 2022

Major Range and Test Facility Base: The "Critical Core" 23 Sites: 8 Army, 6 Navy, 5 Air Force, 2 Space Force, 2 Defense Agency





T&E Workforce Accelerator (TEWA) Intern Program



- A pipeline of STEM T&E professionals aligned to T&E Strategic Portfolios (Hypersonics, Directed Energy, Nuclear Survivability, etc.)
- For 2024: Increase in intern flow, expand to additional T&E ranges and labs, align to universities participating in T&E focus area projects
- For 2025:
 - Expand to selected labs (Ex: Directed Energy at Point Mugu)
 - Pilot of Artisan program with NAWCWD-Point Mugu
 - Electronics/Mechatronics Technician Certification with Moorpark College
 - Pipeline for NAWCWD Point Mugu, widely applicable certifications
 - Intern program for student and Point Mugu to "test drive" each other
 - Engage with Kern County Community College District to develop similar relationship for NAWCWD China Lake and 412th Test Wing
 - Additional pilot opportunities in SOCAL



Hiring Retired Military



- Original: 180-day waiting period
- Recent Legislation: Hiring within 180-day waiting period required a waiver
- Current Guidance: DoD removed 180-day waiting period when using MRTFB Direct Hire Authority



Questions and Answers



Thank you for your time today.

Questions?



TRMC Test Modernization Priorities



- Hypersonics
- Directed Energy
- Cyber
- Nuclear
- Electronic Warfare
- Space
- Autonomous Systems
- Multi Domain Integration
- Common Range Instrumentation
- Target/Threat Systems
- Knowledge Management