

ARCHIVED REPORT

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NAVAIRWARCENWPNDIV – Archived 12/2006

Outlook

- The U.S. Naval Air Warfare Center Weapons Division provides operation and maintenance support of the division's weapons systems test ranges
- Barring any major developments, this report will be archived in December 2006

Forecast Funding Levels 2005 - 2014

Values (In millions of U.S. FY05 dollars)

NO FUNDING FORECAST

| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|------|------|------|------|------|------|------|------|------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Orientation

Description. The U.S. Naval Air Warfare Center Weapons Division (NAVAIRWARCENWPNDIV) provides operation and maintenance support of the division's weapons systems test ranges. The NAVAIRWARCENWPNDIV ranges include the San Nicolas Island Sea Range, the Point Mugu Range, and the China Lake Land Ranges.

Sponsor

U.S. Navy

Naval Air Warfare Center Weapons Division
Point Mugu and China Lake, California (CA)

Status. Operational, with ongoing maintenance, research and development efforts.

Total Produced. Not applicable.

Application. To provide operation and maintenance support of the NAVAIRWARCENWPNDIV weapons systems test ranges.

Price Range. Not applicable.

Contractors

NOTE(S): Contractors for the U.S. Naval Air Warfare Center Weapons Division have not been disclosed.

Technical Data

Design Features. The U.S. Navy's Naval Air Warfare Center Weapons Division (NAVAIRWARCENWPNDIV) at Point Mugu, California, uses 125,000 square miles of instrumented sea range and 36,000 square miles of controlled overlying airspace. The center at China Lake, California, consists of 1.1 million acres of land and 17,000 square miles of military restricted airspace.

support for launching, tracking, and collecting data in support of the testing and evaluation (T&E) of airborne

The two facilities provide the U.S. Department of Defense and various government agencies with range

weapon systems, aircraft and weapon integration, guided and ballistic missiles, and various development and fleet training programs. The following services are provided at the ranges: metric tracking of test objects; command, control, and destruct for safety purposes; communications; frequency interference control and analysis; collection processing; and display of telemetered data.

Laboratory capabilities at the U.S. NAVAIRWARCENWPNDIV include weapon simulation, system integration, and environmental, anechoic, electronic countermeasure, and software support. The air and

surface tracking range is supported by the FPS-16, FPQ-10, FPQ-12, MPS-75, and ARSR-1 radar; theodolites; sine sextants; and receive, record, and display equipment using B-, D-, and E/F-band telemetry. Other facilities include missile and target launch platforms and facilities and parachute/weapon recovery system test facilities.

Variants/Upgrades

The NAVAIRWARCENWPNDIV is constantly being upgraded to keep its capabilities current with the weapon systems it tests.

Program Review

Background. Project 0653 within Program Element #0605864N provides ongoing maintenance and operational services in support of NAVAIRWARCENWPNDIV testing and evaluation (T&E). Activities

under this project include maintenance and operation of barges, personnel/equipment, and mission-essential capabilities.

Funding

Operation and maintenance funding of the U.S. Naval Air Warfare Center Weapons Division is provided by the United States Navy.

Recent Contracts

No recent contracts have been identified.

Timetable

| <u>Year</u> | <u>Major Development</u> |
|-------------|---|
| 1984 | Computer Centralization Program completed |
| 1985 | Missile/satellite tracking stations and underwater ranges engage in ASW exercises |
| 1986 | T&E of AMRAAM, Trident, and Sidewinder missiles |
| 1987 | AMRAAM successfully tested against drones |
| 1988 | Operational Security (OPSEC) communications systems procured |
| 1989 | Contract awarded and initial funding provided for Telemetry Processing System |
| 1991 | Procurement and modernization activities continued |
| 1992 | Maintenance and repair of the physical plant conducted |
| 1993 | Underwater fiber-optics link for San Nicolas Island completed |
| 1994 | Radar upgrades for RCS measurement facility completed; ACDS console procured |
| 1995 | FPS-16 metric tracking radar upgrades completed; GPS integration initiated |
| 1996 | Start of installation of mobile radar on San Nicolas Island |
| 1997 | Upgrade of four Kineto tracking mounts with video track capability completed |
| 1998 | Upgrades to Land Range Control Center Integration and Processing System completed |
| 1999 | Land Range radar upgrades completed |
| 2000 | Data presentation and display systems of Weapons Division ranges upgraded |
| 2001 | Project 0653 operates mission essential capabilities to meet customer test workload |
| 2002 | Project 0653 maintains core MRTFB capabilities |

| <u>Year</u> | <u>Major Development</u> |
|-------------|---|
| 2003 | Project 0653 provides equipment and supplies required to sustain MRTFB operations |
| 2004 | Project 0653 provides communications necessary to sustain MRTFB operations |
| 2005 | Project 0653 conducts U.S. Naval Air Warfare Center Weapons Division operation and maintenance activities |

Worldwide Distribution

This is a **United States Navy** program, though the facilities are shared with other U.S. armed services and agencies as well as selected allied nations.

Forecast Rationale

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Ten-Year Outlook

With the archiving of this report in December 2006, Forecast International has **omitted** the Ten-Year Outlook chart.

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