**Report Documentation Page**

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5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

5d. PROJECT NUMBER

5e. TASK NUMBER

5f. WORK UNIT NUMBER

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Standard Form 298 (Rev. 8-98)  
Prescribed by ANSI Std Z39-18
Providing our Warfighters the Decisive Advantage

Our Vision
To be the leader providing innovative, integrated, and dominant warfighting effects for our Naval, joint, and coalition forces

Our Mission
To execute full-spectrum weapons and warfare systems Research, Development, Acquisition, Test, and Evaluation (RDAT&E)

Through:
- Recruiting, developing, and retaining a relevant, qualified workforce
- Developing, maintaining, and operating our unique cross-domain space, land, air and sea range, and laboratory capabilities
- Partnering with industry, academia, DoD, and international communities
- Stewardship of our natural resources and environment
Weapons Division Full-Spectrum RDAT&E

Our Foundation

People

Organization

Mission Capabilities
Our People

As of 31 December 2010
NAWCWD Statistical Summary

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>Civilians</td>
<td>4,545</td>
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<tr>
<td>Military</td>
<td>213</td>
</tr>
<tr>
<td>Contractors work years</td>
<td>1,706</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6,464</strong></td>
</tr>
</tbody>
</table>
Our People by Occupation

- **S&E Professionals**: 47% (2,129)
- **Business Professionals / Technical Specialists**: 30% (1,365)
- **S&E Technicians / Support**: 15% (660)
- **Wage System**: 1% (47)
- **Clerical / Administrative Support**: 7% (310)
- **Students**: <1% (34)

Total - 4,545

As of 31 December 2010
Civilian / Military Team

- Air Test & Evaluation Squadron THREE ZERO (VX-30)
- Air Test & Evaluation Squadron THREE ONE (VX-31)
- Air Test & Evaluation Squadron NINE (VX-9)
- Marine Aviation Detachment (MAD)
- Naval Test Wing Pacific
# Weapons Division Organization

<table>
<thead>
<tr>
<th>Division</th>
<th>Code</th>
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<tbody>
<tr>
<td>Commander, Weapons Division</td>
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<tr>
<td>Vice Commander</td>
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<td>Executive Director</td>
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<td>Logistics</td>
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<tr>
<td>Corporate Operations</td>
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<td>Comptroller</td>
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<tr>
<td>Counsel</td>
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</table>
NAWCWD Command Operations

**NAWCWD Key Attributes**

- **Major Programs FY11:**
  - F/A-18 & E/A-18G
  - Tomahawk
  - Standard Missile
  - JSOW
  - JSF
  - ESSM / Sparrow
  - AV-8B
  - SLAM-ER / Harpoon
  - AMRAAM
  - Counter-IED

- **S&T Innovation FY09:**
  - 33 Patents Issued
  - 49 Patent Disclosures
  - 41 Patents Pending
  - 9 CRADAs

- **Rapid Warfighter Response**
  - F/A-18E/F/G Civilian ILS in H6+
  - DPSS in-flight retargeting of Tomahawk Land Attack Missile
  - Intrepid Tiger V2 + AN/ALQ-228 (V)2 IT
  - SH-60S ROVER (FLIR downlink capability) in USN Helicopters
  - SURFR – JUON for SPECWAR
  - CORPORAL JCTD
  - Harvest Hawk test support for Armed KC-130
  - SABRE Focus - CNO demonstration
  - Jammer Effectiveness Device (JED)
  - Person - & Vehicle Borne IED Detect and Defeat
  - Tactical Wheeled Vehicle Secondary Fire Suppression
  - RTTO wrt Biometrics (two projects in work):
    - Next Generation Fingerprint Powder
    - Battlefield Multi-Test Kit

**Workforce by Discipline**

- **NAVAIR**
  - 2,129 S&Es (47%)
  - 1,365 S&E Techs (30%)
  - 660 Bus Profs/ Techs (15%)
  - 1,706 Contractors (28%)
  - 1,316 Civilians (69%)

- **Other**
  - 7% Military

As of 31 December 2010

**Customer Base**

- 55% NAVAIR
- 28% Non Navy
- 17% Other Navy

**New Orders (Then Year $) $M**

- FY10: $1,245
- FY11: $1,271
- FY12: $1,295

<table>
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</table>

NAWCWD Workforce 6,464

55% NAVAIR

28% Non Navy

17% Other Navy

Civilians 69% (4,545)

Contractors 28% (1,706)

Military 3% (213)

As of 31 December 2010
What We Do

Modeling, Simulation, and Analysis

Test and Evaluation

Research and Engineering

Energetics

Weapons and Weapon Systems

Weapons / Platform Integration

Survivability / Vulnerability / Lethality

Electronic Warfare

System of Systems Integration

Support

Life Cycle
Weapons / Platform Integration

F/A-18  EA-18G  F-35  AV-8B  EA-6B

H-1  AH-1Z  AH-1W  UH-1Y

Ships  Submarines  Unmanned Systems

UGV  ScanEagle  Firescout
Systems of Systems and Horizontal Integration

- Communications
- Platforms
- Weapons
- Tactics
- Techniques
- Procedures
- Command & Control
- Joint & Coalition
Direct Fleet Support

- Interface with Fleet personnel and TYCOMs
- Support Air Launched Weapons Team (ALWT)
- Conduct Weapons Readiness Reviews
- Respond to Conventional Ordnance Deficiency Reports (CODRs)
- Conduct Engineering Investigations
- Ensure deployment-ready systems
- Install Mission Planning Systems onboard CVNs
- Depot-level Weapons Support
Point Mugu Sea Range

R-2520 Airspace
36,000 sq mi

IR200 Airspace

Sea Range
36,000 sq mi

Point Mugu

San Nicolas Island

Sea Range expansion
(almost unlimited)
via coordination with Navy / FAA
China Lake Land Ranges

R-2508 Airspace
20,000 sq mi

Land Ranges
1,777 sq mi

Electronic Combat Range

Armitage Field

Main site

North Range

South Range

Edwards AFB