

NAWCWD

Division Overview

Naval Air Warfare Center Weapons Division
China Lake – Point Mugu, California



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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

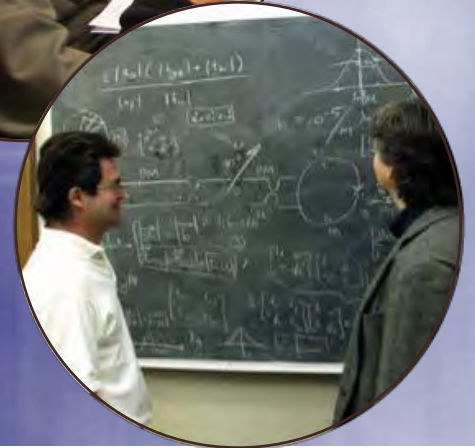


Mission Capabilities



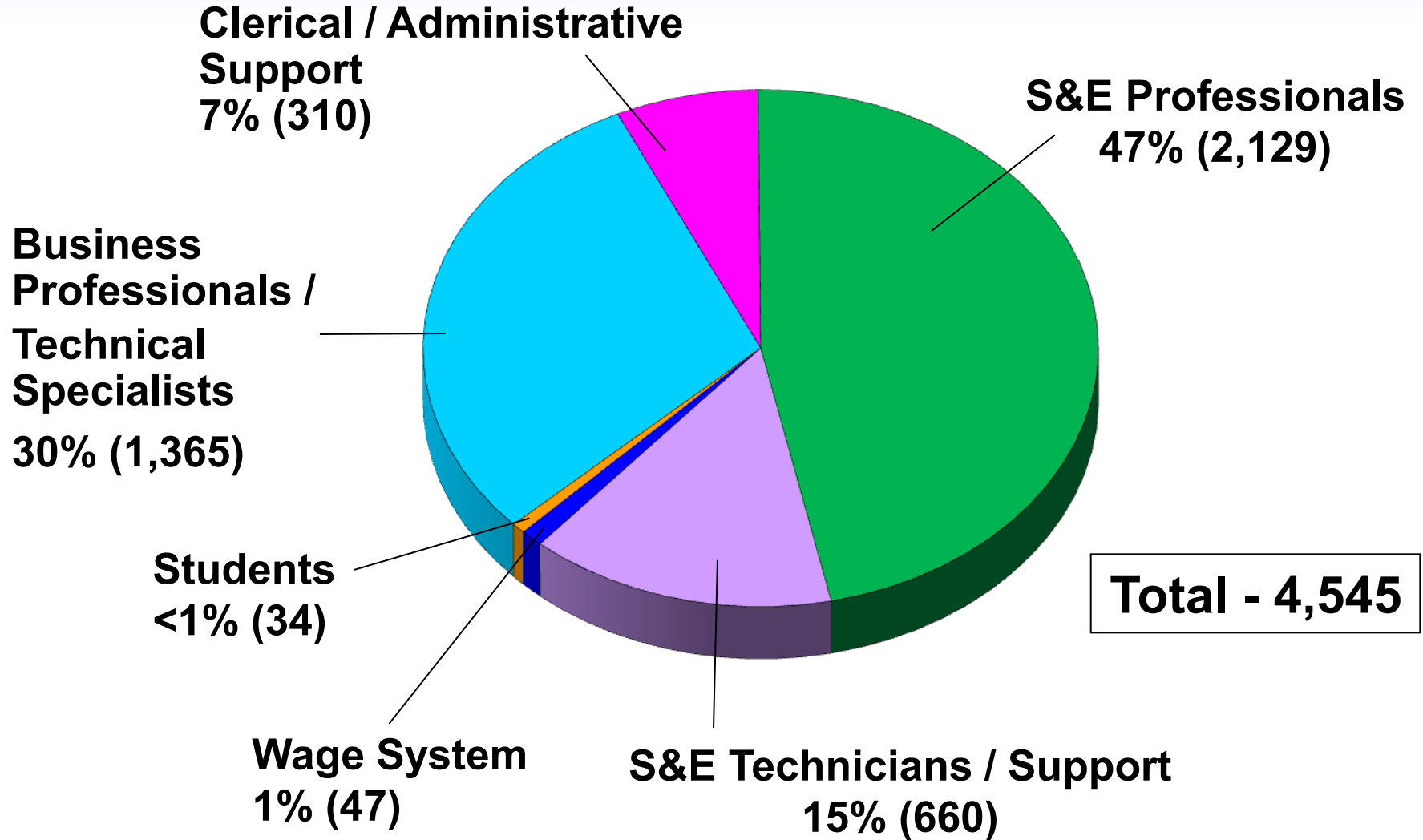
Our People

Civilians	4,545
Military	213
Contractors work years	1,706
Total	6,464



As of 31 December 2010
NAWCWD Statistical Summary

Our People by Occupation



As of 31 December 2010

Civilian / Military Team



**Naval
Test Wing
Pacific**

**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)**

Navy Organization

Secretary of the Navy

**Chief of Naval Operations
(CNO)**

**Assistant Secretary of the Navy
Research, Development, & Acquisition (ASN RDA)**

**Naval Air
Systems
Command
(NAVAIR)**

**Naval Sea
Systems
Command
(NAVSEA)**

**Space and
Naval Warfare
Systems Command
(SPAWAR)**

**Program
Executive Offices
(PEOs)**

**Chief of
Naval Research
(CNR)**

Aircraft Division ▲

Weapons Division ■

Depots ●

Fleet Readiness Centers



NAVAIR

■ China Lake

■ Point Mugu

● North Island

▲ Lakehurst

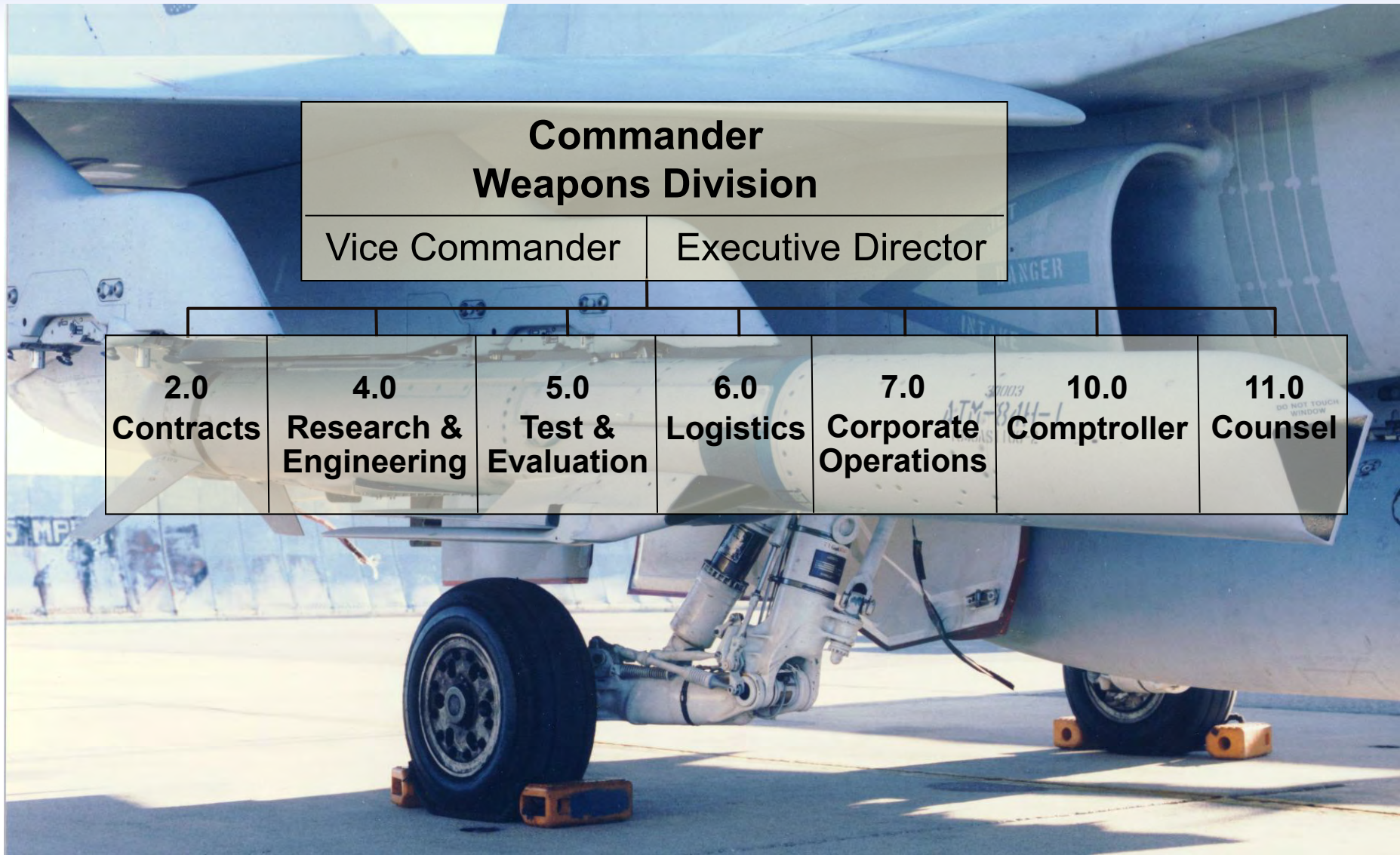
▲ Patuxent River

● Cherry Point

● Jacksonville

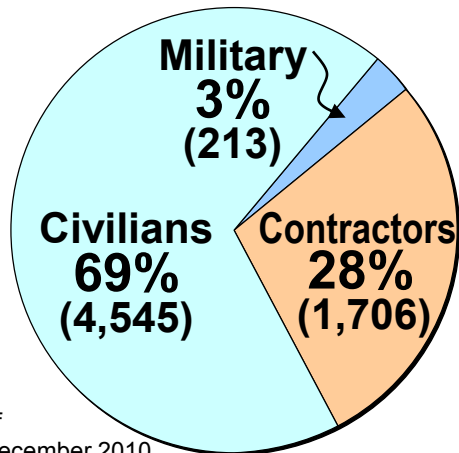
▲ Orlando

Weapons Division Organization



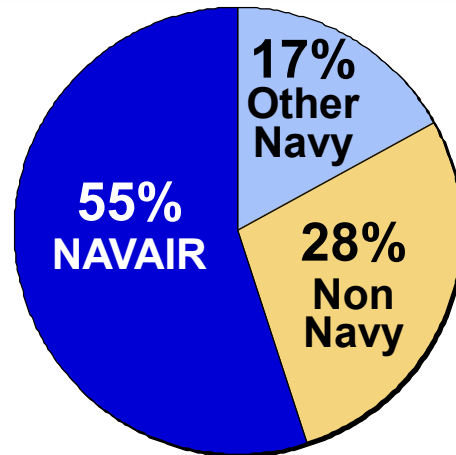
NAWCWD Command Operations

Workforce 6,464

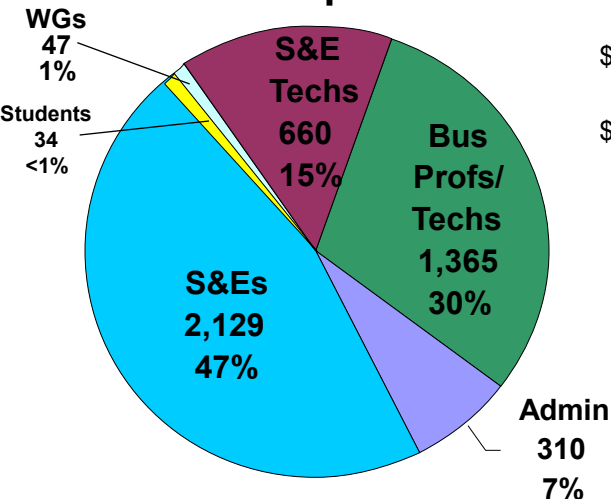


As of
31 December 2010

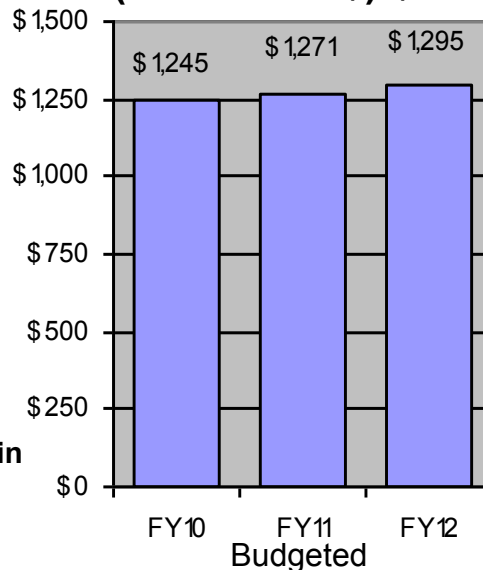
Customer Base



Workforce by Discipline



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



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

NAVAIR

Navy

Non-Navy

What We Do

**Test and
Evaluation**



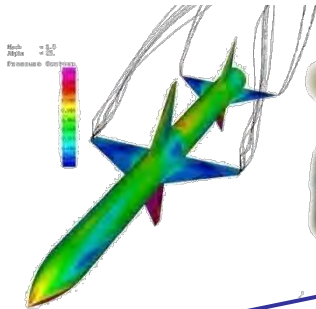
**Research
and
Engineering**



**Weapons and
Weapon Systems**



**Modeling,
Simulation,
and Analysis**



Life Cycle

**What
We
Do ...**

Support

**Weapons /
Platform
Integration**



**System of Systems
Integration**



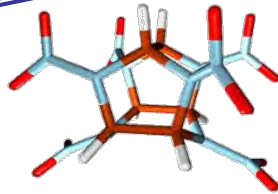
**Survivability /
Vulnerability / Lethality**



Electronic Warfare



Energetics



Weapons / Platform Integration



F/A-18



EA-18G



F-35



AV-8B



EA-6B

H-1



AH-1Z



AH-1W



UH-1Y



Ships

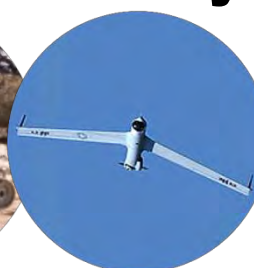


Submarines

Unmanned Systems



UGV



ScanEagle



Fire Scout

Systems of Systems and Horizontal Integration

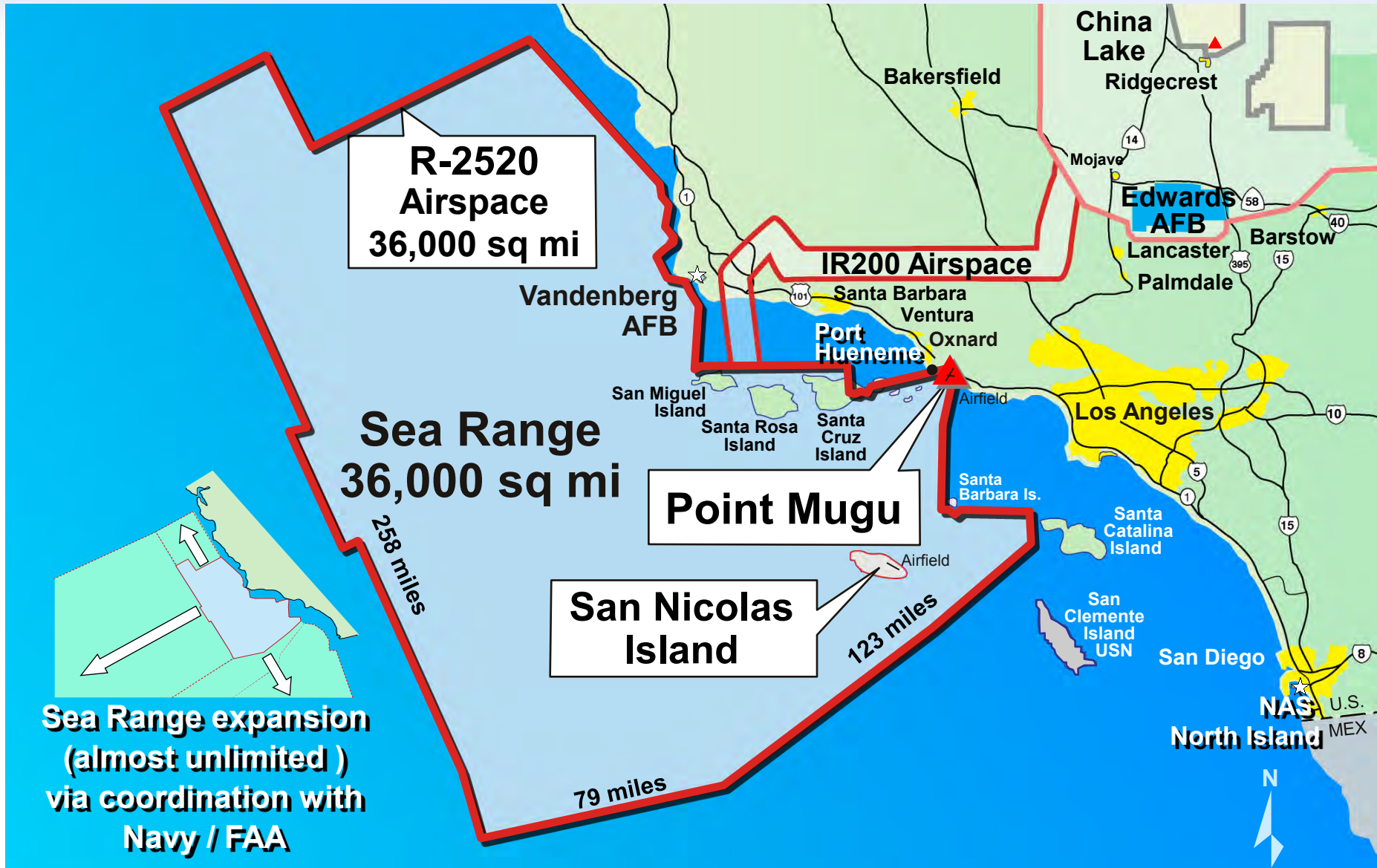


Direct Fleet Support

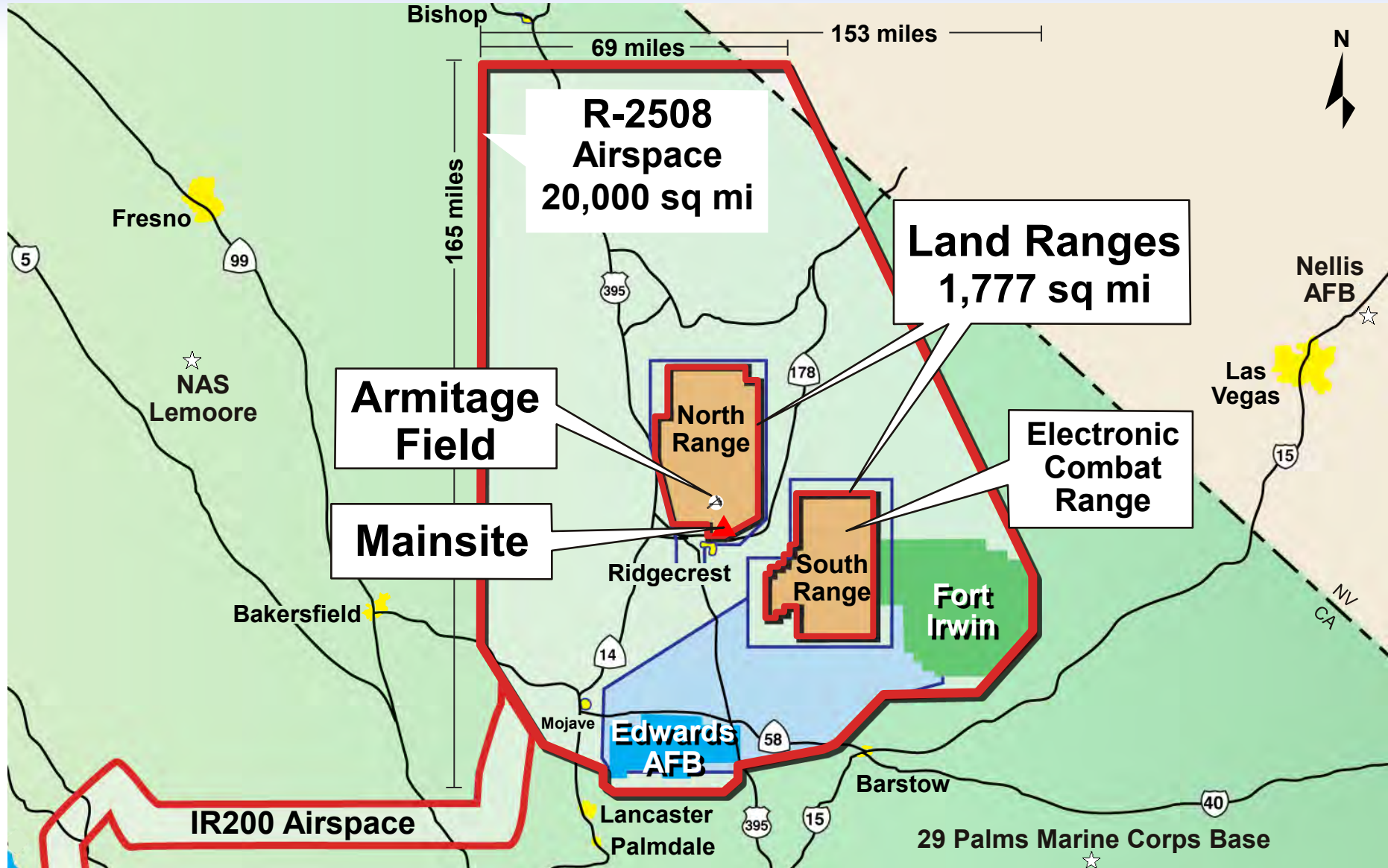
- Interface with Fleet personnel and TYCOMs
- Support Air Launched Weapons Team (ALWT)
- Conduct Weapons Readiness Reviews
- Respond to Conventional Ordnance Deficiency Reports (CODRs)
- Conduct Engineering Investigations
- Ensure deployment-ready systems
- Install Mission Planning Systems onboard CVNs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



Point Mugu Sea Range



China Lake Land Ranges



DoD, Academia, Industry, and Coalition Networking



