

Range Support Capabilities

- Current and future manned and unmanned aircraft, weapons, and weapons systems testing and evaluation.
- High-speed science and technology flying test bed for cost-efficient support to the Navy's research community.
- Successful inland search and rescue operations throughout the high desert.

What We Do

- Land or sea asset calibration
- Missile simulation
- Photo/safety chase
- Airborne target presentation
- Accurate Time-Space-Position Information (TSPI) recording and transmitting

Support Aircraft

VX-31 aircraft include

F/A-18F Super Hornet
T-39D Sabreliner
SH-60F Seahawk

How to Contact Us

VX-31 Commanding Officer
760.939.5405 DSN 437.5405

VX-31 Website
www.navair.navy.mil/nawc wd/vx31/index.html

Naval Air Warfare Center
Weapons Division Website
www.navair.navy.mil/nawc wd/



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VX-31

RANGE SUPPORT



“ Working to Support
Today's and Tomorrow's
USN and USMC Combat Aviation ”



DUST DEVILS

Air Test Evaluation Squadron THREE ONE (VX-31)
Naval Air Warfare Center Weapons Division
China Lake, CA



VX-31 RANGE SUPPORT AIRCRAFT

“ Meeting Unique Requirements at an Affordable Cost ”



**T-39D
SABRELINER**



**F/A-18F
SUPER HORNET**



**SH-60F
SEAHAWK**



Range support includes

- TSPI recording transmitting and reading for range/instrumentation calibration
- Speed up to 350 Knots True Airspeed (KTAS)
- 40,000-ft ceiling
- Onboard internal Radio Frequency (RF) Jammers
- Airborne target/chase aircraft
- Concept exploration test bed
- Internal rack hardware installation
- Seeker/emitter installation capable
- FY10 DoD cost per flight hour less than \$1,000

Range support includes

- TSPI transmitting and reading for range/instrumentation calibration
- Speed up to 1.5 Mach
- 45,00-ft ceiling
- 4+ hours on station with air refueling
- Photo/safety chase and airborne target aircraft
- Identification Friend or Foe (IFF) Mode C
- Multifunctional Information Distribution System (MIDS)
- APG-73 Radar
- FY10 DoD cost per flight hour less than \$3,500

Range support includes

- Vertical flight capable
- Altitude up to 14,000-ft density altitude
- Internal bay for cargo equipment
- Airspeed from zero to 160 KTAS
- IFF Mode C
- FY10 DoD cost per flight hour less than \$450