

## 84 RADAR EVALUATION SQUADRON



### MISSION

The 84 Radar Evaluation Squadron evaluates, optimizes, and integrates fixed and mobile sensors for both the operational and federal communities. Additionally, the 84 RADES sets the standard for coverage prediction and depiction, as well as provides data analysis and unique radar forensics supporting search and rescue and aircraft mishap investigations. Squadron members ensure that controllers have reliable and accurate sensor information for day-to-day operations, contingencies and specialized activities such as counter-narcotics and search and rescue. Armed with technical experts, actual controllers, communicators, radar maintainers, specially trained surveyors, and with operating locations at three NORAD Air Defense Sectors, the 84 RADES is a major contributor to all facets of air detection, air sovereignty and command and control.

**Performance Monitoring:** Execute near real-time performance monitoring of 218+ radar systems in the NORTHCOM, ALCOM, PACOM, and CENTCOM areas of responsibility, to ensure optimum operation

**Radar Survey and Placement:** Provide war planners with placement analysis to architect and maximize the theater radar picture, as well as meet warfighters need to recognize limitations and vulnerabilities

**Sensor Evaluation/Optimization:** Conduct required baseline and special evaluations for 242+ sensors, to optimize system performance, determine operational capabilities and limitations, and assess impacts of external factors and/or upgrades, supporting non-cooperative target detection, air sovereignty and C2

**C2 System Test & Validation:** Evaluate multi-sensor connectivity and integration into DoD C2 systems to ensure accurate processing of radar inputs, assess latency and also provide exercise

support.

Event Analysis: Conduct post-event sensor data recovery and investigation for aerial mishaps; provide assistance to the Air Force Rescue Coordination Center, the U.S. Air Force and U.S. Navy Safety Centers, and the National Transportation Safety Board

Software Engineering: Provide/sustain the unique tools that support the other five mission tasks

To execute this mission, the 84 RADES operates primarily in and from Hill AFB, Utah. Additionally, the squadron has three operating locations, embedded within the NORAD Air Defense Sectors, at Elmendorf AFB, Alaska, McChord AFB Wash., and Rome (formerly Griffiss AFB) N.Y.

### **LINEAGE**

84 Radar Evaluation Squadron  
Activated, 1 Jul 1987

### **STATIONS**

Hill AFB, UT

### **ASSIGNMENTS**

USAF Air Warfare Center, 1 Jul 1987  
505 Command and Control Evaluation Group, 15 Apr 1993  
Air Combat Command Communications Group, 15 Sep 1998  
505 Operations Group, 1 Oct 2005

### **COMMANDERS**

#### **HONORS**

**Service Streamers**

**Campaign Streamers**

**Armed Forces Expeditionary Streamers**

**Decorations**

#### **EMBLEM**

#### **MOTTO**

#### **OPERATIONS**

1954 Radar Evaluation Squadron assigned to the Air Force Communications Command was inactivated on 1 October 1987, and simultaneously, the 84th Radar Evaluation Squadron, assigned to the Tactical Air Command, was activated. There were no changes in personnel,

equipment or mission.

The 84 Radar Evaluation Squadron (84 RADES) at Hill Air Force Base, Utah, reports directly to the 505 Operations Group, at Nellis Air Force Base, Nev. In October 2005, the unit joined the 505th Command and Control Wing at Hurlburt Field, Fla.

84 Radar Evaluation Squadron conducted baseline evaluations of the An/Fps-117 Long Range Radar At Murphy Dome, Cold Bay, King Salmon And Sparrevohn.

---

USAF Unit Histories  
Created: 19 Nov 2010  
Updated:

Sources  
Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.