

## 45 RANGE MANAGEMENT SQUADRON



### **MISSION**

Provide operations and maintenance services for all range instrumentation and critical launch facilities and quality assurance support to wing and delegated contractual efforts essential to the success of the 45th Space Wing and its customers.

### **LINEAGE**

45 Range Management Squadron  
Activated, 1 Oct 2002

### **STATIONS**

Patrick AFB, FL

### **ASSIGNMENTS**

45 Maintenance Group  
45 Operations Group

### **COMMANDERS**

Lt Col Thomas R. Rock

### **HONORS**

**Service Streamers**

**Campaign Streamers**

**Armed Forces Expeditionary Streamers**

## Decorations

### EMBLEM

On a disc Sable, a globe entoured by a gear wheel of eight cogs Or, divided per pale Azure and Celeste gridlined of the field, surmounted by a sine wave fesswise Argent, issuing from dexter base a contrail Gules, arcing to dexter chief and terminating at a deltoid Argent, all beneath four pole stars in bendwise sinister Yellow, all within a narrow border Silver Gray. Attached below the disc, a Black scroll edged with a narrow Silver Gray border and inscribed "45TH RANGE MANAGEMENT SQUADRON" in Silver Gray letters. **SIGNIFICANCE:** Ultramarine blue and Air Force yellow are the Air Force colors. Blue alludes to the sky, the primary theater of Air Force operations. Yellow refers to the sun and the excellence required of Air Force personnel. The globe represents the long heritage of the Eastern Launch and Test Range for which the Squadron is responsible. The sine wave represents the electrical signals of the widespread range instrumentation. The gear surrounding the globe represents the engineering and maintenance responsibilities of the unit and skilled technical Squadron personnel. The eight teeth on the gear represent the eight major tracking stations: Ascension, Antigua, Jonathan Dickinson, Patrick, Cape Canaveral, Kennedy Space Center, Wallops Island and Argentina. The deltoid represents the launch vehicles and satellites lofted from the range on an eastward trajectory into space, the basis for the Squadron's mission. The trail from the gear represents the Squadron's technical abilities as the basis for the spacelift mission as well as the effort and passion of the Squadron for accomplishing the mission. The deltoid and contrail also borrow from the heritage of the Long Range Proving Ground emblem, the original predecessor to the 45th Space Wing. The four stars in the heavens represent the four elements of the unit's mission: range operations and maintenance, range modernization and sustainment interface, critical launch facilities operations, and maintenance and quality assurance.

### MOTTO

### OPERATIONS

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DEPARTMENT OF THE AIR FORCE ORGANIZATIONAL HISTORIES

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#### Sources

Air Force Historical Research Agency, U.S. Air Force, Maxwell AFB, Alabama.

The Institute of Heraldry. U.S. Army. Fort Belvoir, Virginia.