

## 36 MAINTENANCE SQUADRON



### MISSION

Provide overwhelming firepower support, world-class maintenance and technical expertise for peace and war.

The 36 Maintenance Squadron includes these flights:

The Aerospace Ground Equipment Flight operates 3 Elements to perform its mission on Andersen Air Force Base. The Production Support Element incorporates a supply liaison and a full time scheduler as well as operating the bench stock and special tools area. The Servicing, Pick-up, and Delivery Element performs all minor maintenance, service inspections, re-fueling, and dispatching of equipment to all locations. The Inspection and Repair Element performs all periodic and special inspections, time compliance technical orders, as well as all major maintenance.

The Fabrication Flight operates 3 Elements to perform its mission on Andersen Air Force Base. First there is the Non-Destructive Inspection Element (NDI). They perform several processes to include Oil Analysis, X-Ray processes and penetrant inspections. The Metals Technology Element performs machining of aircraft and support equipment parts and welds utilizing several types of welders. The Structural Maintenance Element performs sheet metal and tubing repairs, fabricates cables and maintains corrosion control facilities for aircraft washes and painting of support equipment.

Test Measuring and Diagnostic Equipment: The PMEL is a Type IIB calibration facility that certifies the accuracy of TMDE and repairs equipment to component level. The laboratory has an electronics section that supports signal generation and reception systems, spectrum analysis and

oscilloscope systems, AC/DC voltage, current, resistance, inductance and capacitance measuring TMDE. A physical/dimensional section is available to support torque, rotational, pressure (nitrogen, oxygen and hydraulic), flow (air only), vacuum, temperature, humidity, various weighting, linear and optical measuring TMDE.

The Accessories Flight consists of four sections: Electrical and Environmental (E/E), Fuel Systems Repair, Egress, and Hydraulics Maintenance Sections. E/E is manned by permanent party while the other sections are manned by deployed personnel. E/E maintains Liquid Oxygen (LOX) carts, Gaseous Oxygen (GOX) carts, and various Transient Aircraft batteries by performing scheduled and unscheduled maintenance. Fuel Systems performs aircraft in-tank fuel system inspections and maintenance to ensure constant proper fuel flow is achieved. Egress performs inspections and maintenance that ensure emergency second-hand exit strategies in aircraft for pilots and crew members. When deployed-in, the hydraulics section manufactures and tests pressure line assemblies, as well as maintains and repairs all flight control, landing gear, and hydraulic power system components.

The Maintenance Flight encompasses oversight of the Transient Alert contract, Global Hawk wheel and tire, and deployed fighter wheel and tire operations. They are responsible for the Bomber Aerospace Repair & Reclamation missions which are performed primarily by deployed personnel. Additionally, they are the OPR for all Crashed, Disabled, or Damaged Aircraft Recovery (CDDAR) operations on and off base as well as for all flight-line crane operations.

The Armament Flight's mission focus is the preservation of War Reserve Material for B-52, B-2, and B-1 aircraft. The flight schedules and maintains well over 1,800 pieces of Armament equipment. They ensure the maintenance support equipment and weapon loading adapters for Weapons Load Crews are on ready-use status and serviceable. Additionally, they conduct training and provide technical expertise on the installation and removal of the Common Strategic Rotary Launcher from the MHU-110 trailer to enhance user proficiency.

#### **LINEAGE**

36 Maintenance Squadron, Fighter, Jet  
36 Maintenance Squadron  
36 Field Maintenance Squadron  
36 Consolidated Aircraft Maintenance Squadron  
36 Field Maintenance Squadron  
36 Equipment Maintenance Squadron

#### **STATIONS**

Howard, Panama, 2 Jul 1948-13 Aug 1948  
Fürstentfeldbruck AB, Germany  
Bitburg AB, Germany, 3 Mar 1953  
Andersen AFB, Guam

#### **ASSIGNMENTS**

## COMMANDERS

Maj. David A Boles

Maj Vince W. Fandrich

Maj Robert Smith

## HONORS

Service Streamers

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

## EMBLEM



36 Field Maintenance Squadron patches



## 36 Equipment Maintenance Squadron

### **MOTTO**

### **OPERATIONS**

---

DEPARTMENT OF THE AIR FORCE ORGANIZATIONAL HISTORIES

Created: 13 December 2024

Updated:

#### Sources

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

Unit yearbook. *36 Fighter Bomber Wing*. @1952

Unit yearbook. *36 Fighter Bomber Wing, Germany, 1954*.