

68 ELECTRONIC WARFARE SQUADRON



MISSION

The 68 Electronic Warfare Squadron improves EW effectiveness and directly supports the CAF and Allied nations through test and evaluation, mission data reprogramming, exercise support, EW reach-back, and emergency reprogramming.

The EW Operations Support Flight provides EW support to the warfighter and assures combat EW reprogramming to over 2,100 CAF users globally. They oversee the development of web-based EW reachback tools and EW Help Desk operations providing 24/7 EW assistance to the CAF and Allied nations. The flight also evaluates contingency plans and the Multi-Service Data Distribution System network connectivity to assure off-site support for 24/7 EW reprogramming, and provides baseline threat emitter mode simulation to support all EWG US and FMS MD reprogramming testing. Additionally, the flight coordinates EW outreach programs providing aircrew training and support at RED FLAG, organizes EW agenda items for CAF tacticians and weapons officers at the CAF SEAD and EW / Weapons and Tactics Conferences, and educates USAF general officers during the Senior Leader EW Course. The squadron's Intelligence Flight provides the wing commander and subordinate organizations with specialized information support to include intelligence reporting on enemy doctrine, weapons development, tactics, and adversarial capabilities. The Intelligence Flight also produces command and control warfare products for the CAF, supports fighter and bomber electronic warfare reprogramming, assists wing test and weapons systems evaluation programs, and provides access to intelligence databases and systems to host and tenant units at Eglin.

The Conventional Systems Flight provides missionized software, ensuring aircraft survivability, for Foreign Military Sales and allied partner F-16, F-15, and E-3 EW equipment; and provides missionized software for FMS and allied partner EW training pods to simulate enemy threat

electronic countermeasures for aircrew training and weapons evaluation. The flight also generates EW reprogramming mission data support, maintains emitter data files, develops integration and implementation documentation, and provides expert system training for all conventional EW FMS cases.

The Advanced Systems Flight provides FMS allied partners with advanced system program EW software development and reprogramming. It generates EW reprogramming mission data support, maintains emitter data files, develops integration and implementation documentation, and provides expert system training for all advanced EW FMS cases. The flight also conducts operational tests of modified EW systems, makes fielding recommendations, and exploits foreign threat systems to ensure continued mission effectiveness in a dynamic threat environment.

LINEAGE

68 Station Complement Squadron constituted, 15 May 1943

Activated, 20 May 1943

Disbanded, 15 Apr 1945

Reconstituted and redesignated 68 Test Support Squadron, 9 Apr 1993

Activated, 15 Apr 1993

Redesignated 68 Electronic Warfare Squadron, 13 Sep 1999

STATIONS

Walterboro AAFld, SC, 20 May-25 Oct 1943

Goxhill, England, 18 Nov 1943

Honington, England, by May 1944-15 Apr 1945

Eglin AFB, FL, 15 Apr 1993

ASSIGNMENTS

Third Air Force, 20 May 1943

Eighth Air Force, 18 Nov 1943

VIII Fighter Command, 19 Nov 1943-15 Apr 1945

68 Electronic Combat (later, 53 Electronic Warfare) Group, 15 Apr 1993

COMMANDERS

HONORS

Service Streamers

World War II EAME Theater

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

Air Force Outstanding Unit Award

1 Jun 1998-31 May 2000
1 Jun 2002-31 May 2004
1 Jun 2004-31 May 2006
1 Jun 2006-31 May 2008
1 Jun 2018-31 May 2020

Air Force Organizational Excellence Award
[15 Apr 1993]- 31 Dec 1993

EMBLEM



68 Test Support Squadron emblem. Approved, 16 Jun 1994.

68 Electronic Warfare Squadron emblem: On a disc Celeste, a raven Sable eyed and langued Gules, beaked and clawed Or, disclosed around a gridlined globe Azure and of the field with three lightning bolts issuing from the claw foot of the third, fimbriated of the fourth, all within a narrow border Blue. Attached below the disc, a Yellow scroll edged with a narrow Blue border and inscribed "68 ELECTRONIC WARFARE SQ" in Blue 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 raven has become the most common heraldic representation of electronic warfare and the symbol of this Squadron throughout its history. The gridlined world map represents the scope of the unit's evolving mission in support of multinational partners and the global reach of Air Force operations. The raven's wings are disclosed around the globe representing the unit's support of electronic warfare for the protection of the United States and its allies. Individually, the three lightning bolts represent knowledge, speed of response, and the effect electronic warfare offers to the warfighter. Overall, the elements symbolize the irresistible combat power provided to our forces and those of its allies by ensuring the systems maintain the edge over enemies as well as potential adversaries. (Approved, 26 Feb 2008)

MOTTO

OPERATIONS

DEPARTMENT OF THE AIR FORCE ORGANIZATIONAL HISTORIES

Created: 10 May 2025

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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.