

605th TEST AND EVALUATION SQUADRON



MISSION

The 605th Test and Evaluation Squadron at Hurlburt Field, Fla., is a part of the 505th Operations Group at Nellis Air Force Base, Nev., 505th Command and Control Wing at Hurlburt Field, Fla. The squadron began as the 605th Test Squadron at Eglin Air Force Base in 1993 and moved to Hurlburt Field in 1997 where it was renamed and structured under the 505 CCW in 2004.

The 605 TES is the Command and Control and Intelligence, Surveillance and Reconnaissance (C2ISR) test manager for the 505 CCW. The 605 TES is responsible for conducting operational testing and tactics development and evaluation C2ISR collection, processing and exploitation systems as well as managing and providing resources to support operational testing, development testing, and various MAJCOM and joint special projects. The unit also supports C2 weapons system development and modernization.

The mission of the 605 TES is to Conduct C2ISR operational test of AWACS, Joint STARS, AOC, TACP, CRC and ISR Weapons Systems, develop and evaluate tactics that optimize the combat capability of these weapon systems, and familiarize operational units with test results.

Evaluates operational effectiveness, suitability, interoperability, information assurance, and TTP of C2ISR systems

- Responsible for the planning, execution, and reporting of operational test and evaluation of C2ISR systems supporting Air Force and Joint C2ISR programs
- Supports development of C2ISR weapons system test events
- Ensures that operational test plans and reports meet DoD, Air Force, and Air Combat Command test and evaluation guidance

- Provides test engineering expertise during test project planning, execution, and reporting as an integral part of C2ISR test teams

To execute this mission, the 605 TES oversees operations at Hurlburt Field, Fla; Det. 1 at Seattle, Wash.; Det. 2 at Melbourne, Fla.; and operating locations at Nellis AFB, Nev., Langley AFB, Va., and Fort Dodge, Iowa.

605 TES Units

Detachment 1

Provides operational testing for the AWACS E-3 aircraft. Test programs include radar subsystem, electronic support measures subsystem, IFF, navigation and computers (data processing). Consoles display computer-processed data in graphic and tabular format on video screens, communications: UHF/VHF/HF/SATCOM radios, Link-16, Link-11, console operators perform surveillance, identification, weapons control, battle management and communications functions.

Detachment 2

Provides operational testing on the Joint Surveillance and Target Attack Radar System (JSTARS) E-8C aircraft to ensure it provides joint Air Force/Army Battle Management, Surveillance and Targeting system designed to provide air/land component CCs with: near-real time, wide-area surveillance and targeting information on moving and stationary terrestrial and maritime targets, enhanced theater battlespace management in support of operations directed at delaying, disrupting, or destroying enemy forces.

Air Operations Center (AOC) Flight

The AOC Flight (DOA) conducts operational testing on key joint-, combined-, and unit-level Theater Air Control Systems (TACS) that exercise command and control of theater-wide aerospace forces in support of the Joint Force Commander's campaign plan and enable the Joint/Combined Forces Air Component Commander to accomplish the mission. In addition, the DOA Flight performs OT on a Global Command and Control System-Air Force key sub-system that provides HQ USAF, Major Command, Numbered Air Force/Air Component, Warfighting Headquarters, Field Operating Agency, Direct Reporting Unit, Air Force Reserve, Air National Guard, and wing/base planners support to plan, present, source, mobilize, deploy, account for, sustain, redeploy, and reconstitute forces supporting contingency and crisis operations inside joint and warfighting commanders' projected decision cycles. DOA flight harnesses the knowledge of military, civilian and contractor C2 experts to OT new C2 Systems and C2 systems in sustainment for Air Force OTs, MAJCOM led OTs initiatives or Multi-Service OTs on TACS or associated programs to leverage C2 capabilities for the joint warfighter. Operating Location-B reports to the DOA Flight and is located at the Ryan Center at Langley AFB, Virginia.

Control & Reporting Center (CRC) Flight

The AOC Flight (DOA) conducts operation. The CRC Flight (DOC) conducts OT, user acceptance testing (UAT) and other testing for theater air control systems as required for the joint warfighter. DOCs focus is on the CRC and other tactical elements of the theater air-ground system (TAGS)

and their interface with other systems. CRC Flight melds the experience of C2 operators, maintainers, suitability analysts, and communicators to ensure that new systems and modifications to fielded systems meet the requirements of the CAF and other joint users. OL-C reports to DOC flight and is co-located with the 133 TS at Ft Dodge IA.

Intelligence, Surveillance & Reconnaissance (ISR) Flight

The ISR Systems Flight (DOI) conducts operational tests and evaluations of systems used to integrate Command and Control, Intelligence, Surveillance and Reconnaissance (C2ISR) based capabilities into; the Distributed Common Ground System (DCGS), Cryptographic Modernization (CM) Systems and Counter Improvised Explosive Devices (C-IED) Systems. DOI also provides tactics development and evaluation expertise.

Tactical Air Control Party (TAC-P) Flight

The TAC-P Flight (DOT) conducts OT and TD&E for TAC-P systems required for joint coalition warfighters. These include TAC-P command and control systems, datalink systems, and training systems aimed at improving speed, range, accuracy, and expertise in requesting, approving, and directing close air support (CAS). DOT's primary focus is on TAC-P Modernization, which brings digitally aided CAS to the battlefield using the TACP Close Air Support System (TACP CASS), the Air Support Operations Center Gateway (ASOC GW), and the Vehicular Communications System (VCS). Additionally, DOT leads testing for the Joint Terminal Control Training and Rehearsal System - a virtual training simulator for TAC-Ps. Members of DOT have over 80 years of combined TAC-P expertise and close ties with the TACP community. As new capabilities are introduced, DOT ensures warfighter needs are met through early test involvement, superior subject matter expertise, and comprehensive testing in robust, realistic operational environments.

Analysis Flight

The Analysis Flight (DTA) provides test and analysis expertise and support as well as tech support for all tests in the other flights. The flight also provides data collection support and analysis for the squadron as well as web site design and maintenance.

Test Management Flight

The Test Management Flight (DTM) enhances the Air Forces theater air and missile defense capabilities through the integration of existing and emerging technologies, evaluates fieldable prototype systems, ensures compatibility with other systems/services, and ensures DoD combat capability. OL-A reports to DTM flight and is located in CAOC-N at Nellis AFB, NV.

LINEAGE

605th Tactical Control Squadron constituted, 5 Dec 1945

Activated, 15 Dec 1945

Discontinued and inactivated, 1 Oct 1961

Activated, 10 Dec 1963

Organized, 8 Apr 1964

Inactivated, 31 Dec 1971

Redesignated 605th Test Squadron, 9 Apr 1993

Activated, 15 Apr 1993

Redesignated 605th Test and Evaluation Squadron, 12 Mar 2004

STATIONS

Biggs Field, TX, 15 Dec 1945

Greenville AAB, SC, 13 Jan 1947

Pope AFB, NC, 27 Jun 1949-27 Aug 1950

Pusan AB, South Korea, 24 Sep 1950

Taegu AB, South Korea, c. 1 Oct 1950

Seoul, South Korea, 14 Oct 1950

Taegu AB, South Korea, 16 Dec 1950

Seoul, South Korea, 10 Jun 1951

Osan-ni (later, Osan) AB, South Korea, 25 Jan 1954

Kadena AB, Okinawa, 15 Apr 1959

Clark AB, Philippines, 21 Oct 1959-1 Oct 1961

Clark AB, Philippines, 8 Apr 1964-31 Dec 1971

Eglin AFB, FL, 15 Apr 1993

Hurlburt Field, FL, 30 Sep 1997

ASSIGNMENTS

502nd Tactical Control Group, 15 Dec 1945

314th Air Division, 1 Oct 1957

5th Communications and Control Group, 15 Apr 1959-1 Oct 1961

5th Tactical Control Group, 8 Apr 1964-31 Dec 1971

505th Command and Control Evaluation Group (later, Air Force Command and Control Training and Innovation Center, Air Force Command and Control Training and Innovation Group), 15 Apr 1993

505th Operations Group, 12 Mar 2004

COMMANDERS

Maj Buckley

HONORS

Service Streamers

None

Campaign Streamers

Korea

UN Offensive

CCF Intervention

First UN Counteroffensive

CCF Spring Offensive

UN Summer-Fall Offensive

Second Korean Winter

Korea, Summer-Fall 1952;
Third Korean Winter
Korea, Summer 1953

Armed Forces Expeditionary Streamers

None

Decorations

Distinguished Unit Citations
Korea, 3 Nov 1950-21 Apr 1951
Korea, 1 May 1952-30 Nov 1952

Air Force Outstanding Unit Award with Combat "V"
10 Aug 1966-10 Aug 1968

Air Force Outstanding Unit Awards

1 Sep 1959-1 Jun 1961
8 Apr 1964-14 Jul 1965
15 Jul 1965-30 Apr 1967
2 May 1970-31 Dec 1971
[15 Apr 1993]-30 Jun 1993
1 Jul 1993-30 Jun 1994
1 Jul 1994-30 Jun 1995
1 Jun 1996-31 May 1998

Republic of Korea Presidential Unit Citations

16 Sep 1950-25 Jan 1951
25 Jan 1951-31 Mar 1953
1 Oct 1952-27 Jul 1953

Republic of Vietnam Gallantry Cross with Palm
10 Aug 1966-10 Aug 1968

EMBLEM



Approved on 27 Jul 1970



MOTTO

NICKNAME

OPERATIONS

Air Force Lineage and Honors

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Sources

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