

## 413 FLIGHT TEST SQUADRON



### MISSION

#### LINEAGE<sup>1</sup>

23 Reconnaissance Squadron (Heavy) constituted, 28 Jan 1942  
Redesignated 413 Bombardment Squadron (Heavy), 22 Apr 1942  
Activated, 15 Jul 1942  
Redesignated 413 Bombardment Squadron, Heavy, 20 Aug 1943  
Inactivated, 19 Dec 1945  
Redesignated 413 Bombardment Squadron, Very Heavy, 3 Jul 1947  
Activated in the Reserve, 17 Jul 1947  
Inactivated, 27 Jun 1949  
Redesignated 413 Bombardment Squadron, Medium, 20 Aug 1958  
Activated, 1 Nov 1958  
Discontinued and inactivated, 1 Jan 1962

6513 Test Squadron designated and activated, 1 Dec 1977

413 Bombardment Squadron, Medium consolidated with 6513<sup>th</sup> Test Squadron, 1 Oct 1992  
Redesignated 413 Test Squadron, 2 Oct 1992  
Redesignated 413 Flight Test Squadron, 1 Mar 1994  
Inactivated, 6 May 2004

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<sup>1</sup> Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.

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

Air Force News. Air Force Public Affairs Agency.

Unit History. *Air Force Flight Test Center, Edwards Air Force Base, CA, 50<sup>th</sup> Anniversary. 1951-2001.*

Activated, 25 Feb 2005

### **STATIONS**

Salt Lake City AAB, UT, 15 Jul 1942  
Gowen Field, ID, 6 Aug 1942  
Walla Walla, WA, 16 Aug 1942  
Rapid City AAB, SD, 29 Sep 1942  
Pocatello, ID, 1 Nov 1942  
Pyote AAB, TX, 3 Jan-16 Apr 1943  
Great Saling, England, 12 May 1943  
Snetterton Heath, England, 12 Jun 1943-11 Dec 1945  
Camp Kilmer, NJ, 17-19 Dec 1945  
Keesler Field (later, AFB), MS, 17 Jul 1947-27 Jun 1949  
Dyess AFB, TX, 1 Nov 1958-1 Jan 1962  
Edwards AFB, CA, 1 Dec 1977-6 May 2004  
Eglin AF Aux Fld #9 (Hurlburt Fld), FL, 25 Feb 2005

### **ASSIGNMENTS**

96 Bombardment Group, 15 Jul 1942-19 Dec 1945  
96 Bombardment Group, 17 Jul 1947-27 Jun 1949  
96 Bombardment Wing, 1 Nov 1958-1 Jan 1962  
Air Force Flight Test Center, 1 Dec 1977  
6510 (later, 412) Test Wing, 1 Mar 1978  
412 Operations Group, 1 Oct 1993-6 May 2004  
46 Operations Group, 25 Feb 2005

### **WEAPON SYSTEMS**

B-17, 1942-1945  
Unkn, 1947-1949  
B-47, 1958-1961

### **COMMANDERS**

Unkn, 15 Jul-Aug 1942  
Lt Col Stanley I. Hand, By Sep 1942  
Maj Joseph W. Turner, 15 May 1944  
Lt Col Herbert O. Schulze, 26 Jul 1944  
Capt Robert S. Maloney Jr., 8 Jan 1945  
Maj Richard M. Jerger, 10 Feb 1945  
Capt Ira F. Wilson, 26 Sep 1945  
Lt Richard Oakley, 24 Oct  
Unkn, Nov-19 Dec 1945  
Maj John C. Frazier Jr., 1 Nov 1958  
Unkn, 1 Sep 1961-1 Jan 1962  
Lt David L. Ferguson, 1 Dec 1977

Maj John H. Casper, 1 Oct 1979  
Lt Col George K. Muellner, 1 Apr 1981  
Lt Col James W. Tilley II, 18 Jul 1982  
Maj John A. Taylor Jr., 3 Jul 1984  
Maj Robert S. Frank, 28 May 1985  
Maj John J. Barnoski, 30 May 1988  
Maj Kevin P. Burns, Jul 1991  
Lt Col Thomas C. Horne, 1 Jul 1993  
Lt Col Walter K. Everly, 29 Sep 1995  
Lt Col Harry V. Dutchyshyn, 10 Oct 1996  
Lt Col Arthur F. Huber II, 6 Aug 1998  
Lt Col Stephen J. Niemantsverdriet, 13 Jul 2000  
Lt Col Gerald A. Swift, 8 Jul 2002-6 May 2004  
Lt Col Thomas E. Goodnough, 25 May 2006  
Lt Col Don Grove

## **HONORS**

### **Service Streamers**

#### **Campaign Streamers**

World War II  
Air Offensive, Europe  
Normandy  
Northern France  
Rhineland  
Ardennes-Alsace  
Central Europe  
Air Combat, EAME Theater

#### **Armed Forces Expeditionary Streamers**

#### **Decorations**

Distinguished Unit Citations  
Germany, 17 Aug 1943  
Poznan, Poland, 9 Apr 1944

#### **Air Force Outstanding Unit Awards**

1 Jan 1959-31 Dec 1960  
1 Jan 1979-31 Dec 1980  
1 Jan 1983-31 Dec 1984  
1 Jan 1997-31 Dec 1998  
1 Jan-31 Dec 2005  
1 Jan-31 Dec 2006

## EMBLEM



413 Bombardment Squadron Approved, 1 Sep 1942



6513 Test Squadron

## MOTTO

### OPERATIONS

Combat in ETO, 13 May 1943-21 Apr 1945. Earned DUC for a bombing raid on Regensburg, Germany, on 17 Aug 1943. Earned a second DUC for a raid on Poznan, Poland, on 9 Apr 1944.

4 February 1944, B-17F 42-30188, "Temptation", with nose art of a black cat considering dropping a bomb, previously "Kats Sass II", 'MZ S' of the 413 Bomb Squadron, 96th Bomb Group, during takeoff for a Frankfurt mission, suffers runaways on Nos. 1 and 2 propellers. Lt. Joseph Meacham attempts landing at near-by as yet unfinished base, but crash lands at East Shropham, Norfolk, NNW of RAF Snetterton Heath. All eleven crew survive but the aircraft is damaged beyond repair and is written off, fit only for parts salvage.

Planned, provided for, and conducted tests of electronic warfare and avionics systems and equipment, on aircraft assigned to the Air Force Flight Test Center, 1977-2004.

3/2/2012 - With blades spinning and dust flying, the 46th Test Wing's UH-1N Hueys took off from Eglin's main ramp on Feb. 27, to join the 413 Flight Test Squadron's operating location eight miles north at Eglin's Duke Field.

While still under the 46th Test Wing, the helicopters will operate from Duke Field rather than from Eglin to allow the test wing to support a 250 percent increase in helicopter developmental test programs beginning in June. The move will centralize all Air Force helicopter developmental test and evaluation in one squadron, according to Capt. Garrett Knowlan, a flight commander and major architect of the helicopter bed-down.

"The helicopters will integrate with the 413's HC/MC-130J test operation in an efficiency effort that maximizes use of existing facilities, while making room for increased mission activity on Eglin's main ramp" said Knowlan. "We'll be responsible for DT and E for the recapitalization of HC/MC-130s and for DT and E of all new U.S. Air Force helicopters."

The organization will operate out of a facility originally refurbished for the Combat Search and Rescue-X helicopter program. The 46th Wing Commander, Col. Colin Miller, directed this consolidation at the end of 2011 and sees great potential in this centralization of assets and expertise. "This unit and its mission are critical to the future of special mission C-130s and helicopter operations across the Air Force," said Miller. "This team will conduct warfighter-focused test and evaluation to ensure programs are setup for success from source selection to aircraft fielding and follow-on development."

The newly-focused rotary mission will involve the modernization of TH-1H and UH-1N helicopters, the HH-60G Ops Loss Replacement program, and the acquisition of the new Combat Rescue Helicopter. "The move allows the Test Wing to support two and a half times as many programs with virtually the same size work force by leveraging the ability of test aircrew and engineers to work on multiple programs at the same time," said Miller. As the program progresses, C-130 aircraft will be tested at multiple locations, but most rotary wing aircraft will be stationed at Duke Field during the developmental test and evaluation process. After tests are complete, helicopters will move on to operational units. The new test team at Duke has their work cut out for them in coming months as they begin work on four new programs simultaneously. "In the current budget environment we have to find smarter ways to test with our limited resources," said Knowlan, "we are excited to start testing a new portfolio of programs from our new home at Duke Field."

