

THE AIRCRAFT

Contractor: Boeing Aerospace Co.
Initial Operating Capability: April 1978
Power Plant: Four Pratt and Whitney TF33-PW-100A turbofan engines
Thrust: 21,000 pounds each engine
Rotodome: 30 feet in diameter, 6 feet thick
Wingspan: 145 feet, 9 inches
Length: 152 feet, 11 inches
Height: 41 feet, 9 inches
Weight: 335,000 pounds
Maximum Takeoff Weight: 347,000 pounds
Cruise Speed: 360 mph (Mach 0.48)
Range: More than 5,000 nautical miles
Ceiling: Above 29,000 feet
Crew: Flight crew of four plus mission crew of 13-19 specialists (crew size varies according to mission)

MAJOR MISSIONS

- Operation Inherent Resolve
- Operation New Dawn
- Operation Enduring Freedom
- Operation Iraqi Freedom
- Operation Noble Eagle
- Operation Northern Watch
- Operation Southern Watch
- Counter-drug Operations
- Air Defense of the Arabian Gulf
- Presidential Travel Support



THE 513TH AIR CONTROL GROUP'S MISSION:

TO PROVIDE COMBAT-READY AWACS CITIZEN AIRMEN TO FLY, FIGHT & WIN

CONTACT US:



1(888)292-2765



7435 Reserve Road
Tinker AFB, OK 73145

@ 513acg.publicaffairs@us.af.mil



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513TH AIR CONTROL GROUP



Colonel David W. Robertson
Commander

Tinker Air Force Base, Okla.

MEET THE BEST AIRBORNE COMMAND AND CONTROL UNIT IN THE WORLD.

The 513th Air Control Group is the only Air Force Reserve unit to fly and maintain the E-3 Sentry, an Airborne Warning and Control System aircraft that provides surveillance, warning and tactical control of U.S. and allied military aircraft.

The more than 375 Airmen in the 513th work hand-in-hand as an associate unit with the active-duty 552nd Air Control Wing,

which is responsible for the E-3 Sentry aircraft assigned to Tinker.

Activated at Tinker Air Force Base, Oklahoma, in 1996, the 513th trains aircrew and maintenance Airmen to provide world-class command and control capability to combatant commanders around the globe.

Under the Air Force's associate unit program, Reserve and active-duty units share

joint use of active-duty aircraft and equipment. Reserve aircrew and maintenance Airmen perform the same missions and maintain the same professional standards as their active-duty counterparts.

Since the associate unit program was established in 1968, Reserve associate units have existed for nearly every mission and airframe in the Air Force.



The 513th's subordinate units include the 970th Airborne Air Control Squadron, the 513th Operations Support Squadron, the 513th Aircraft Maintenance Squadron and the 513th Maintenance Squadron.

The 970th Airborne Air Control Squadron is the flying organization of the 513th. It performs aircrew training and traditional air operations functions.

The 513th Operations Support Squadron consolidates and performs traditional operations staff functions, such as intelligence, aircrew life support, computers, flight records maintenance and military training.

The 513th Aircraft Maintenance Squadron consists primarily of aircraft maintenance Airmen who launch and recover aircraft and perform flight line aircraft maintenance.

The 513th Maintenance Squadron consists of aircraft maintenance personnel who perform intermediate shop and support equipment maintenance.



BY THE NUMBERS:

- 1** Reserve AWACS units in the Air Force. The 513th is one of a kind.
- 6** Major operations that the 513th has supported.
- 8** Hours that the E-3 Sentry can stay in flight without in-air refueling.
- 30** The diameter (in feet) of the dome on top of the aircraft.

