

## 16th INTELLIGENCE SQUADRON



### MISSION

16th Intelligence Squadron had a classic association partnership with the 94th Intelligence Squadron.

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

2016th Airways and Air Communications Service Squadron designated and organized, 1 Nov 1954

Redesignated 2016th Communications Squadron, 1 Jul 1961

Redesignated 2016th Information Systems Squadron, 1 Dec 1984

Redesignated 2016th Communications Squadron, 1 Nov 1986

Inactivated, 30 Apr 1991

Redesignated 16th Intelligence Squadron, 19 Mar 2014

Activated, 17 Apr 2014

### STATIONS

Dover AFB, Delaware, 1 Nov 1954-30 Apr 1991

Fort George G. Meade, Maryland, 17 Apr 2014

### ASSIGNMENTS

1802d Airways and Air Communications Service Group (later, Northeastern Airways and Air Communications Service Region), 1 Nov 1954

North Atlantic Airways and Air Communications Service (later, North Atlantic Communications) Region, 21 Apr 1961

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

Eastern Communications Region, 1 Jul 1963  
Northern Communications Area, 1 May 1970  
Airlift Communications (later, Airlift Information Systems; Airlift Communications) Division, 1  
Jun 1981  
436th Military Airlift Wing, 1 Oct 1990-30 Apr 1991  
655th Intelligence, Surveillance, and Reconnaissance Group, 17 Apr 2014

## **COMMANDERS**

Maj Barnes, 1954  
Capt Harold Poling, 22 Mar 1956  
Capt John C. Morton, 20 Mar 1956  
Maj Edward F. Grant, @1957  
Maj Frank S. Miller, 1961  
Lt Col Samuel Lynn, 1963  
Maj Lester M. Burton  
Capt Howard Lenowsky (Interim), 6 Sep 1967  
Capt Edwain P. Woods, Jr., 16 Oct 1967  
Maj Kenneth Bush, 10 Nov 1968  
Capt William B. Marriott, 1970  
Maj Carl E. Williams, 1973  
Capt Douglas D. C. Smith, 1975  
Maj Richard G. McGarvey, 30 Sep 1980  
Lt Col William S. Goodwin, 4 May 1982  
Maj Ronald L. Collins, 24 Jan 1984  
Maj Samuel Peoples,  
Lt Col Neil A. Youngman, 22 Jul 1987  
Lt Col Leroy A. Block, 4 Jul 1989  
Lt Col John D. McKaye  
Lt Col Joshua C. Redden, 21 May 2016  
Lt Col Jeffrey A. Derr, 21 Jan 2018  
Lt Col Barbara Given

## **HONORS**

### **Service Streamers**

### **Campaign Streamers**

### **Armed Forces Expeditionary Streamers**

### **Decorations**

Air Force Outstanding Unit Awards  
1 Jan-31 Dec 1978  
1 Jan 1983-31 Dec 1984

## EMBLEM



Emblem approved, 10 Dec 1981



2016th Communications Squadron emblem: On a light blue disc, a green demisphere issuing from base, outlined and grid lines blue fimbriated yellow encircle by three concentric green arcs; overall a stylized red, blue, and yellow eagle's head with black eye, emitting from the eagle's beak two red lightning flashes, within a semicircle of five yellow stars and all within a narrow black border. **SIGNIFICANCE:** Blue and 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 eagle represents the "Eagle Wing," our primary cause and purpose. The lightning represent communications. The five yellow stars represent the five major subdivisions of the squadron; communications center, maintenance, air traffic control, telephone communications, data automation. The earth below shows the importance to the American people, and that we are military and country oriented. (Approved, 30 Jul 1986)



The unit's emblem depicts an eagle grasping in its talons two bolts of lightning flying towards a globe. The eagle symbolizes air and space platforms vital to the unit's mission and harkens back to the days of its assignment to the 436 Airlift Wing which was known as the "Eagle Wing." The three lightning bolts, which are firmly in the grasp of the eagle's talons, signify domination and superiority in intelligence and cyberspace operations. The globe represents the worldwide mission of the unit and reminds us that no place is out of reach.

On a disc Celeste issuant from dexter base a demi-sphere Vert gridlined and edged Azure, below issuant from sinister chief an eagle volant Or detailed and edged Sable eyed Gules, grasping in its talons a sheaf of lightning bolts, points towards dexter, base of the last, all within a narrow border Black. Attached below the disc, a Red scroll edged with a narrow Black border and inscribed "16TH INTELLIGENCE SQUADRON" in Black letters. Attached above the disc, a Red scroll edged with a narrow Black border and inscribed "ORBIS DOMINATIUM SUBSIDIARII" in Black 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 eagle symbolizes air and space platforms vital to the unit's mission. It is also a reference to the unit's heritage under the 436th Airlift Wing, or "Eagle Wing" to which the unit was subordinate when it was known as the 2016th Communications Squadron at Dover Air Force Base in Delaware. The three lightning bolts signify intelligence and cyberspace operations. The lightning bolts are firmly in the grasp of the eagles' talons, denoting domination and superiority in both operational arenas. The globe represents the worldwide mission of the unit, signifying that no place is out of reach. (Approved, 31 Aug 2015)

#### **MOTTO**

IN TOUCH WITH THE WORLD

ORBIS DOMINATIUM SUBSIDIARII--Global Reserve Domination

## **OPERATIONS<sup>2</sup>**

At the end of the year, the 16 IS was under the command of Lt Col Barbara Given an Air Guard Reserve (AGR). She assumed command in September 2020 from Lt. Col. Jeffrey Derr in a local ceremony officiated by Lt. Gen. Richard Scobee, Chief of the Air Force Reserve and Commander, Air Force Reserve Command. Lt. Gen. Scobee also used the opportunity to recognize several squadron members who had demonstrated outstanding performance during the year.

The 16 IS continued to support their active duty partner the 94th Intelligence Squadron at Fort Meade, Maryland as well as the 70th Intelligence, Surveillance and Reconnaissance Wing, at Fort George G. Meade, Maryland. The specialties of the 16 IS was Signals Intelligence (SIGINT) and Cyber Intelligence, Surveillance and Reconnaissance. In 2020 the 16 IS provided highly trained and engaged cryptologic subject matter expertise in support of the 94 IS and executed 6,887 Military Personnel Appropriation (MPA) and 1,212 Reserve Personnel Appropriations (RPA) days in support of National and Air Force collection requirements. Additionally, five squadron members deployed in support of OPERATION JUNIPER MICRON and OPERATION ENDURING FREEDOM

The integration of the 16 IS into the 91 IS was so significant that a 16 IS officer was asked to serve as the Assistant Director of Operations for the 94 IS for a month. This required him to coordinate and compile weekly activity reports as well as operations and intelligence updates for the 70 ISRG and 70 ISRW weekly briefs and represent the 94 IS/CC at the Wing briefings as the DO. He also hosted visits to DCGS-4 by arranging operations floor tours and mission briefings, as well as teleconferences with Combined Air Operations Center (CAOC), U. S. Central Command (USCENTCOM), and numerous down-range deployers. Another member aided in the creation of a report detailing insurgent activity, as well as territorial disputes involving two adversarial nations. One of his 16 IS associates created profiles for several targets, confirming 100 target movements by adding 172 sources and labeling 376 items to the target database. This effort led to the creation of two new targetable speaker models. So valued was this NCO at the 94 IS, they later allocated desk space specifically for her work center. One of her associates conducted historical analysis on 197 target nation sorties and providing developmental data for 22 fighter pilots surveillance operations. Several geolocation operators provided advisories on geolocations and verified the activity and geolocation of 82 emitters in two Area of Responsibility (AORs) while simultaneously monitoring assets and providing detailed enemy movements and pattern of life that ultimately contributed to more than 30 reports distributed across the Intelligence Community (IC).

As part of the 16 IS intent to provide the 94 IS with surge capability, they rapidly stepped in to provide assistance during personnel shortages. One NCO assisted another shop that was experiencing low staffing with translation quality control efforts. She maintained the operations flight tracker and ensuring that it was updated through the low staffing month and revised the

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<sup>2</sup> Unit history. A Salute to Air Force Communications Command Leaders and Lineage. Office of Air Force Communications Command History. Scott AFB, IL. 1 Oct 1990; Air Force News. Air Force Public Affairs Agency.

scheduling system to guarantee coverage during core mission hours accounting for member absences. In another case, a 16 IS member assigned to the 94 IS Analysis & Reporting cell stepped in during minimal staffing and contributed to five products detailing target nation anti-coalition militant activity and high priority near-peer flight capabilities. Squadron members routinely used unit training assembly to “sit mission” in their never-ending quest to gain, regain or maintain mission qualification and currency.

The unit developed a comprehensive online, unclassified, three-phased analytic training plan, which was executed over nine virtual unit training assembly periods. The training plan focused on nine regional areas of interest and allowed members to advance their knowledge and hone analytic skill sets on lines of effort in support of Combatant Commanders (COCOMs). The training culminated during two capstone events that simulated real-world operations and tested analysts’ target knowledge and analytic skills. Additionally, the squadron developed a linguist mentoring program for 55 cryptologic language analysts and identified eight language-specific mentors, who consolidated language-specific training materials to enhance linguist skills and readiness. The 16 IS continued to support the 70 ISRW by Training Capstone Event.

It was the first-ever, full-day capstone training event encompassing intelligence fundamentals and analytical production. Several 16 IS members used time off to build, an interactive Russian ground force scenario during which participants were provided five hours of scenario and mission training prior to building and presenting enemy courses of action in a Presidential Daily Brief. Another member while serving as a National System for Geospatial Intelligence (NSG) Partner Engagement officer with their Future Capabilities Modeling and Analysis office, led coordination with the senior advisor to the NGA’s Analysis Directorate and presented trade study update and modeling and simulation efforts for future exquisite capabilities. He later received an internal

National Geospatial-Intelligence Agency (NGA) GEOINT award for ensuring progress toward the major orbit trade study during COVID-19 and his innovative approaches to future needs. Assigned 16 IS members also supported the 70 ISRW working as a cyber analyst at Defense Information Systems Agency (DISA) worked on monitoring, researching, and discovering common network vulnerabilities and exposures that has been precipitated by use of communication and media platforms at Department of Defense facilities. This squadron member published reports detailing over 50 exploited cyber vulnerabilities, threat actors, and dark web chatter which was shared with partners across five agencies.