



## 2018 Highlights

#### **Mission**

Provide for America; protection of the homeland, effective combat power and defense support to civil authorities, while developing Airmen, supporting their families and serving in the community.

#### Vision

To defend freedom as the most lethal, innovative and efficient Fighter Wing in the Total Force.

#### **Priorities**

- 1. Execute the mission
- 2. Manage resources
- 3. Continuous organizational growth



hroughout 2018, the men and women of the 180th Fighter Wing continued to demonstrate their commitment and dedication to our mission, providing protection of the American homeland, effective combat power and defense support to civil authorities. Always mission focused and equipped, their efforts ensure the 180FW remains the best-valued fighter wing in the military and at the forefront of our nation's defense.

#### 2018 Highlights

The Mission

Flying more than 2,928 missions, totaling over 3,881 flying hours, our Airmen honed their readiness skills to guarantee we continue to bring effective combat power to the fight.

This year, we also deployed more than 500 Airmen and 200 tons of equipment to 14 locations throughout the world to include: Estonia, Germany, Qatar, Afghanistan, Kuwait, Serbia, Jordan, Hungary, Israel and Antarctica. Proving the 180FW remains the first choice for the fight, our Stingers remained dedicated to enhancing their skills by conducting realistic training in realistic environments, guaranteeing the wing is always ready when called.

The wing deployed more than 150 Airmen to Tyndall Air Force Base, Florida, for Combat Archer, a two-week air-to-air Weapons System Evaluation Program, to prepare and evaluate fighter squadrons' readiness for combat operations. The exercise evaluated the performance of the whole weapon system, from the Airmen who load missiles to the pilots who fire them, determining the reliability and capability of the 180FW to engage targets in combat by firing live missiles at subscale drones which take on the role of enemy aircraft. The 180FW fired more than 20 missiles during the exercise, but gaining firsthand experience firing live missiles is not the only benefit of the training at Combat Archer. The pilots also gain experience training with dissimilar aircraft and different branches of the military, enhancing the pilots' abilities to integrate with other airframes and services, in joint operations, and providing increased capability to combatant commanders.











Nearly 300 Airmen and 12 F-16 Fighting Falcons from the 180FW deployed to Amari Air Base, Estonia as part of a Theater Security Package, in support of Operation Atlantic Resolve. Flying as many as 60 missions per week, the Airmen of the 180FW helped build readiness, increase interoperability and enhance the bonds between ally and partner militaries with multinational training events, allowing for a faster response in the event of any aggression by a regional adversary against NATO sovereign territory.

As part of the National Guard's State Partnership Program, representatives from the Hungarian Defence Forces visited the 180FW to celebrate the 25th anniversary of a partnership between Hungary and Ohio. The partnership promotes military cooperation and establishes regional stability. The partnership between Ohio and Hungary is one of the oldest in the nation since the program's creation in 1993.

#### 2018 Highlights

The Homefront

Dedicated to those who support us, our Airmen remained committed to giving back by serving in our communities.

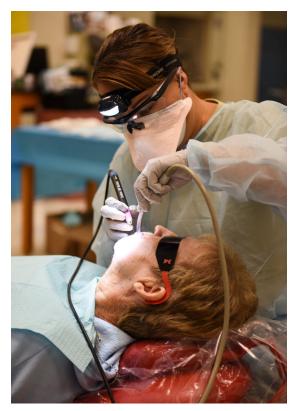
During 2018, more than 100 Stinger Airmen participated in 70 community and educational events, engaging with nearly 12,000 community members throughout Northwest Ohio and Southeast Michigan. From marching in parades, speaking at civic events, reading to students, and advocating drug-free lifestyles in our schools to hosting job shadow opportunities and tours for school and scouting groups, our Airmen take pride in instilling patriotism in youth, visiting with our veterans and showcasing the capabilities of the 180FW.

The 180FW Medical Group supported Operation Bobcat in Kentucky and Operation Healing Wave of Hope in Puerto Rico, both Innovative Readiness Training exercises allow military medical personnel to gain priceless experience while providing no-cost medical care for an underserved community. Over the course of both operations, Airmen provided more than \$2 million worth of health care service to more than 6,000 residents of Eastern Kentucky and Puerto Rico.

As a part of a bi-weekly fundraiser, the men and women of the 180FW raised \$5,727 and provided 464 pounds of food for the Toledo Seagate Food Bank, providing a sense of security for our most vulnerable neighbors.

The 180FW launched a mentorship program in 2018, giving young Airmen the opportunity to learn from senior leaders from across the wing. The program focused on connecting senior leaders with greater experience and wisdom with another junior Airmen to help guide and develop them both personally and professionally. The relationships they established contributed to mission success and motivated Airmen to achieve their career goals, both in their military and in their civilian professions.

The National Guard Bureau selected the 180FW occupational health and safety superintendent for the Air National Guard Outstanding Individual Occupational Safety Award for exceptional performance. Of the 105,000 Airmen in the Air National Guard, the award is given to a select few Airmen each year who make unparalleled contributions to their unit and the Air Force as a whole.













Thank You

These accomplishments highlight just a few of the efforts and innovations made possible by our Airmen and our partnerships within the community.

The success of the 180FW is founded on the steadfast support, trust and generosity of our local communities. We thank you for your continued trust and understanding, and we remain committed to preserving your respect.



#### **Mission Impact**

#### Strategic Location

Located at the Toledo Express Airport in Northwest Ohio, the 180FW is positioned for future endeavors to include Total Force and joint-basing initiatives. As the U.S. transitions from more than 25 years of war into a world with an uncertain and changing future, the need for a joint, integrated military force will continue to be essential for success.

With nearly 60 percent of the U.S. population residing within a 600-mile radius of Toledo, including vital infrastructure, key centers of gravity and international airports, Northwest Ohio offers convenient access to a multi-modal transportation hub including an extensive interstate highway system, one of the most active railroad centers in the country and one of the largest seaports on the Great Lakes.

The Port of Toledo is an important industrial, commercial and transportation center for the north-central U.S.



# **Mission Impact**

Infrastructure





Situated on 135 acres, the 180FW base and infrastructure has been designed and constructed to support the current and future fighter aircraft needed for America's security and defense. The base is fully capable of supporting fighter aircraft operations and maintenance with little or no expansion.

The installation development plan has incorporated potential and future missions, while accommodating the current aircraft with minimal impact. In the event of future and joint missions, the base has the ability to accommodate additional functions within its existing footprint, but also has ample, suitable land available to expand.



#### **Mission Impact**

**Other Missions** 

The 180FW Fire and Emergency Services Flight provides 24-hour joint emergency response for the Toledo Express Airport alongside the Lucas County Port Authority Public Safety Department. The flight also provides Defense Support to Civil Authorities, providing mutual aid to local area fire and emergency services. In 2018, the team responded to more than 100 mutual aid requests including nine structural fires, 70 medical emergencies and more than 20 other support requests.

The 180FW Propulsion Element was the first to implement a Pratt and Whitney 229 and 220 engine contract field team, providing war ready engines to Combat Commanders by rebuilding and testing 96 engines since 2009 in support of the Air Force and Air National Guard. These engines have been delivered to coalition partners and U.S. Air Force installations around the world.









## **Energy & Environment**

#### Energy Independence

The 180FW currently maintains an operational 1.6 megawatt solar field that is planned to be expanded to approximately 1.9 Megawatts peak electrical capacity. Currently, the system produces nearly one-third of the installation's annual electrical requirements, in turn saving taxpayers an estimated \$200,000 each year. The solar field also reduces our dependence on coal by almost 600 tons in turn, avoiding 1,700 tons of carbon dioxide emissions annually. The most recent upgrades included the addition of 10 dual access tracking arrays, totaling approximately 35 kilo-watts.

In 2012, the 180FW became the first Air National Guard wing to fly routine training missions solely on bio-fuel as part of an Air Force testing plan to certify more than 40 aircraft models for bio-fuel use. Two 180FW aircraft were designated to test 100,000 gallons of bio-fuel as one of the final steps before taking the fuel mainstream and allowing the F-16 to use bio-fuel in unrestricted operations.

We have remained dedicated to the research, development and implementation of green energy programs at the base. Our sustainable energy projects have reduced our environmental footprint through a solar field, solar tracking arrays, roof mounted solar panels, bio-diesel and electric vehicles. Today, we are happy to report that it has achieved more than \$1.8 million in savings for the American taxpayer minimizing our overall environmental impact.



#### **Energy & Environment**

#### **Evironmental Responsibility**









The 180FW is committed to conducting its mission in a responsible manner to protect human health, natural resources and the environment.

This commitment goes beyond simply complying with the law; it encompasses the integration of sound environmental information and practices into our daily decisions and activities. Our wing strives for full compliance with voluntary industry standards including International Standards Organization 14001 Environmental Management Systems. We continue to provide training on the Air Force Enterprise Environmental, Safety and Occupational Health Management Information System, enhancing management, tracking and disposal of hazardous materials and waste, and universal wastes.

The Air Program Information Management System allows electronic record keeping for electrical generator usage, jet engine test cell usage, painting operations, above-ground storage tank inspections and storm water management inspections, further ensuring the wing's compliance with Air Force, state and federal laws and regulations.

Our wing is continuing an investigation of the impacts of perfluorinated compounds found in fire-extinguishing agents and will continue monitoring wells and testing soil samples to determine the presence or absence of these compounds at the installation.

A recent survey of natural resources found no federal or state endangered species on the installation. The survey was conducted to determine the presence or absence of threatened and endangered plants and animals, as well as, critical habitats and wetland resources on the installation. A small area on the installation contains a state-threatened plant, the dwarf dandelion, Krigia Virginica, and we will be taking measures to protect and preserve this plant.

The 180FW strives to be good stewards toward the environment by leaving a smaller ecological footprint, conserving natural resources and energy, and taking responsibility for our choices. Our goal is pollution prevention by working to reduce the use and production of hazardous substances and by operating more efficiently.

## **Deloyments**

Always Ready, Always There



500 Airmen 14 Locations

- Estonia
- Germany
- Qatar
- Afghanistan
- Kuwait

- Serbia
- Jordan
- Hungary
- Israel
- Antarctica
- Puerto Rico
- Florida
- California
- Indiana

#### **Community Partnerships**

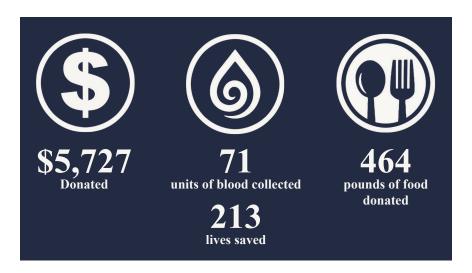
The Air National Guard is embedded in more than 3,000 communities across the country, the 180 FW is committed to investing in the safety and quality of life for our communities. Building sustainable partnerships with the Northwest Ohio region means working to strengthen the relationships between the 180FW and the community to enhance morale, public trust and support.

During 2018, more than 100 of our Airmen participated in 70 community and educational events, engaging with nearly 11,000 community members throughout Northwest Ohio and Southeast Michigan.

Continuing our longstanding partnerships with the American Red Cross and the Toledo SeaGate Foodbank, the wing hosted multiple blood drives, collecting 71 units of blood, donated \$5,727 and 464 pounds of food to the foodbank.

To date, our Airmen have donated more than 1,100 units of blood, 21,000 pounds of food and nearly \$73,000, to those in need, right here in our local community.

Our Airmen also partner with The Boy Scouts of America's Erie Shores Council and five local-area universities to create and enhance mutually beneficial relationships between the 180FW and our local communities.







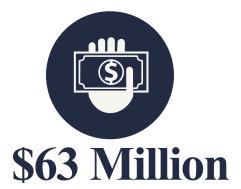




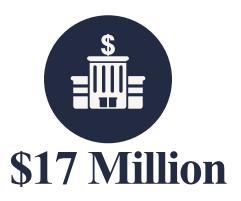


#### **Economic Impact**

Overview







During fiscal year 2018, the 180FW contributed more than \$111 million in both direct and indirect economic support to the overall economy.

More than \$94 million directly impacted the local region. The largest portion of this was more than \$63 million in payroll expenses for all civilian and military personnel. The remaining balance was spent on new construction projects, supplies, maintenance and repair of existing facilities, support contracts and general base operations. The purpose of the Economic Impact Statement is to provide a brief summary of the wing's organization and resources.

This statement will provide an account of the contributions to the local economy for Fiscal Year 2018, Oct. 1, 2017 through Sept. 30, 2018.

Only 1.4% of the Ohio National Guard budget comes from the State of Ohio, the rest comes from federal funding. This money is essential to the maintenance of our facilities and helps secure additional funds with a matching process from the federal government. The Ohio National Guard is a great deal, the annual state income tax revenue generated from the federal salaries of our traditional members and full-time employees offsets the amount of state funding we receive, meaning the ONG pays for itself!

The Department of Defense contributes billions of dollars to state economies through the operation of military installations.

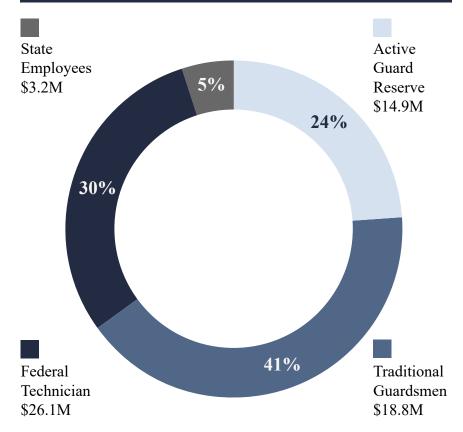
This spending helps sustain local communities by creating employment opportunities, both directly and indirectly. Military and civilian employees spend their military wages on goods and services produced locally, while pensions and other benefits provide retirees and dependents a reliable source of income.

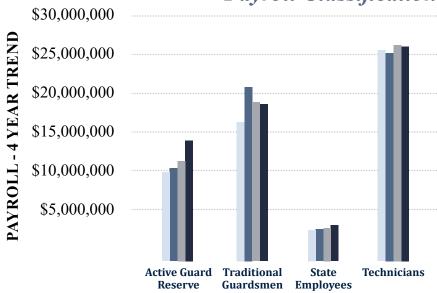
States and communities also benefit from defense con-tracts with private companies for equipment, supplies, construction and various services such as health care and information technology.

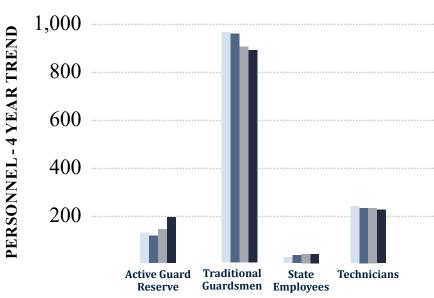
#### **Economic Impact**

<b>Payroll</b>	Classi	fication
<b>₽</b>	•/	

Personnel Classification	Number of Personnel	Payroll
Active Guard Reserve	199	\$14,932,000
Traditional Guardsmen	830	\$18,791,000
State Employees	46	\$3,242,000
Technicians	261	26,174,000
Total	1,336	\$63,139,000







#### **Economic Impact**

Capital Assets

The 180FW boasts a 10,600 foot primary runway, more than 52,400 square yards of aircraft parking and ramp space and a fully renovated aircraft maintenance hangar with more than 63,700 square feet available for aircraft parking and maintenance.

In 2018, the wing built a new Modular Small Arms Range, to help train Airmen for worldwide deployments in a timely and cost-effective manner. The MSAR provides the ability to conduct individual or mass weapons qualification, on site, in a single day, minimizing the need to travel to a different location. The high-tech facility is climate-controlled, has high efficiency air handlers, bullet traps and multiple simulation options promoting safety, while also providing scenario-based shooting situations for personnel to train and meet readiness requirements.

The wing also maintains a newly constructed, state-of-the-art Munitions Storage Area with more than 32,500 square feet of facility space located on 16 acres of land. The on-site MSA allows the 180FW to keep necessary munitions on-hand and easily accessible for modern fighter aircraft. The facility gives the wing the capability to deliver air superiority to combatant commanders directly from home-station without having to divert to another location. This critical capability enables the wing to respond rapidly to potential homeland defense requirements and maintain operational readiness as we continue to support overseas combat operations.

Not only does the 180FW maintain more than 384,000 square feet of facilities, the wing is also situated on 135 acres of land with more than 200 acres available should expansion be required.

In addition to the main, 63,700 square foot, aircraft hangar, the wing is seeking funding to construct four additional aircraft shelters capable of meeting current aircraft and future requirements for other aircraft. A portion of those funds will be used for minor maintenance and upgrades to the main hangar.

The base and infrastructure have been designed and constructed to support the current and future fighter aircraft needs for America's security and defense. The base is fully capable of supporting fighter aircraft operations with little or no expansion. Our master plan has incorporated potential and future missions, accommodating the current aircraft with minimal im-pact. In the event of future and joint missions, the base has the ability to accommodate a variety of functions on its existing footprint, but also has suitable land for expansion, if necessary



# Accomplishments

2010

- Air Force Outstanding Unit Award
- Aerospace Control Alert Unit of the Year
- Excellent Rating 9th Air Force Standardization & Evaluation Inspection
- Excellent Rating Operational Readiness Inspection
- O• Air National Guard Command Post of the Year
- Best Public Affairs Program | Ohio National Guard
- Best Wing News Publication | Ohio National Guard

• Retention Manager of the Year National Guard Bureau Region Five & Ohio National Guard

2013

2011

· Aerospace Control Alert Unit of the

Occupational Health Award

Air Force Reducing Energy

Appreciation Award

Chuck Smith Environmental, Safety &

- Mission Ready 1st Air Force Alert Force Evaluation | Best seento-date & Benchmark Operations Identified
- Mission Ready Alert Force Operational Assessment
- 99.6% Compliance Rating Air Combat Command Combined Unit Inspection
- Compliance Assessment Program

2014

- Mission Ready 1st Air Force Alert Force Evaluation | Best seen-to-date & Benchmark Operations Identified
- Mission Ready Alert Force Operational Assessment
- Safety Office of the Year | Air National
- First Sergeant of the Year | 1st Air Force
- •1st Place Photojournalism | National Guard Media Awards

2016

- Mission Support Group of the Year | National Guard Association of the U.S.
- Effective Rating | Air Combat Command Sortie Production Assessment
- 3rd Place Military Photographer of the Year | National Guard Media Awards
- 2nd Place Photo Story | National Guard Media Awards
- 1st Place Operational Documentation National Guard Media Awards
- 1st Place Long-Form Video Production | National Guard Media
- 1st Place Feature Article | National Guard Media Awards

2018

- Recruiting and Retention Manager of the Year | Ohio Air National Guard
- 1st Place Journalist of the Year National Guard Media Awards
- 1st Place Feature Story | National Guard Media Awards
- 2nd Place Photojournalist of the Year | National Guard Media Awards
- 2nd Place Videographer of the Year National Guard Media Awards
- 2nd Place Video Documentation National Guard Media Awards

2015

- Air Force Outstanding Unit Award Effective Rating | Air Combat Command Combined Unit Inspection | 29 Superior Performers & five Superior Performance Teams Identified
- Mission Ready 1st Air Force Alert Force Evaluation | Best seen-to-date & Benchmark Operations Identified
- 3rd Place Digital Publication | Air Force Media Awards
- 1st Place Digital Publication National Guard Media Awards
- 1st Place Layout & Design | National Guard Media Awards

- Air Force Outstanding Unit Award
- Excellent Mission Capable Rate | Air National Guard
- Mission Ready 1st Air Force Alert Force Evaluation | Template for all ACA units to follow
- Mission Ready Alert Force Operational Assessment
- Outstanding Individual Occupational Safety Award | Air National Guard
- 1st Place Journalist of the Year National Guard Media Awards
- 1st Place Training Video | National Guard Media Awards
- 2nd Place Digital Art | National Guard Media Awards
- 2nd Place Identity Design | National Guard Media Awards
- 3rd Place Digital Publication National Guard Media Awards
- 3rd Place Training Video | Air Force Media Awards

• Excellent Rating - Logistics

# **History** 1917-2019









The 180th Fighter Wing was formed in October 1995, but its origins stretch back to Aug. 18, 1917 when the 112th Aero Squadron was organized as a supply unit at Kelly Field in San Antonio, Texas. Later, in 1927, the 112th moved to the Cleveland Hopkins Airport, Ohio, where they became known as the 112th Observation Squadron, flying a wide range of aircraft throughout the late 1920s and 1930s including the PT-1, BT-1, the O-2 and the O-11.

In 1940, the unit was regrouped as the 112th Liaison Squadron. During that time, the 112th was activated in support of World War II and Lt. Col. Addison Baker, a B-24 Liberator pilot received the Congressional Medal of Honor for his actions during the raids on oil fields Ploesti, Romania. After the war, the unit was reorganized as the 112th Bombardment Squadron (Light), flying Douglas A-26 Invaders and activated at Lawson Field, Georgia, in support of the Korean Conflict in 1950. After the conflict ended, the unit returned to Ohio as an Air National Guard Fighter Bomber Squadron flying F-51 Mustangs at the Akron-Canton Airport.

Several more reorganizations and aircraft conversions took place over the next 20 years. The unit moved to Toledo as a Fighter Interceptor Squadron and converted to the F-84 E/F Thunderjet model aircraft in 1958. Then, the unit became the 112th Tactical Fighter Squadron in 1958 and was activated for the Berlin Crisis in 1961. The following year, the 112FS became part of the newly formed 180th Tactical Fighter Group. In 1970, the 180th TFG transitioned from the F-84 to the F-100 Super Sabre and then to the A-7 Corsair in 1979. In 1992, the 180th received its first F-16 Fighting Falcon just before being renamed the 180th Fighter Wing in 1995.

Over the years, members of the 180FW and the 112FS have answered the call to duty, supporting several contingencies including Operation Just Cause in 1989, Operation Desert Storm and Desert Shield in 1991. In 1994, 1996, 1999, 2000, 2001 and 2002 unit members volunteered to enforce no-fly-zones over Iraq in support of Operation Provide Comfort, Operation Northern Watch and Operation Southern Watch.

Following the horrific events of Sept. 11, 2001, unit members volunteered to support both Operation Iraqi Freedom and Operation Enduring Freedom in 2005 and Operation Iraqi Freedom again in 2007 and 2008. In 2013, the wing deployed for the first time to Djbouti, Africa, in support of Operation Enduring Freedom.

While deployed to Africa, the wing received an unscheduled tasking to forward deploy to Azraq, Jordan and flawlessly executed this short-notice challenge, moving 221 personnel, eight F-16 Fighting Falcons and 250 tons of support equipment to stand up a bare base in less than 72 hours. Before returning home, 180FW Airmen assisted in yet another relocation, from Jordan to Afghanistan, moving personnel, aircraft and support equipment to Kandahar. In 2016, the wing deployed more than 250 Airmen along with our F-16 fighter jets to Andersen Air Force Base, Guam, to promote stability and security throughout the Indo-Asia-Pacific region

and safeguard our national interests abroad by providing influence and deterrence through force presence.

Additionally, the 180FW also supported one of the wing's largest Reserve Component Taskings to date, deploying more than 120 Airmen to 18 locations around the world, promoting security and stability in support of global and national security objectives. As part of the National Guard's State Partnership Program, the wing deployed to Kecskemét Air Base, in Hungary, to participate in a Hungarian-led, multinational, air-to-air and air-to-ground exercise, Load Diffuser 17.

Approximately 145 Airmen joined forces joined forces with an additional 200 military members from six allied and partner nations and 10 different airframes from Europe for the two-week exercise, including Hungary, Croatia, Slovakia, Slovenia, the Czech Republic and the United States.

Load Diffuser 17, the largest Hungarian-led, large-force integration exercise, allowed both the U.S. Air Force and participating NATO allies and partner militaries to hone joint warfighting capabilities through operational training while building successful and progressive relationships. These relationships develop tangible

and mutual benefits during peacetime, contingencies and crises through regional security and coalition operations.

Always striving to improve the wing and the Air National Guard, the 180FW continually seeks out new missions. In 2006, the 180FW began the development of a 10-acre solar energy site.

Activated in October 2008, the Air Sovereignty Alert mission became the latest mission at the 180FW. Today, the mission is known as Aerospace Control Alert, after the mission underwent an official name change in July 2011, to more accurately depict the mission.

Directly supporting Operation Noble Eagle, the 180FW aids in the protection of the continental U.S. and Canada under the direction of the North American Air Defense Command, or NORAD. Since the activation of the mission at the 180FW, ACA has responded to more than 200 events, totaling more than 600 flying hours in support of ONE.

The ACA team continues to excel at the nation's number one priority, our 24/7 mission, year after year, earning the highest possible "Mission Ready" NORAD



Command inspection ratings and "Best-Seen-to-Date" comments for both Alert Forces Evaluations and Alert Forces Operational Assessments in 2009, 2012, 2014, 2015 and 2017. The 180FW ACA was the first unit to ever win the 1st Air Force ACA Unit of the Year title, two consecutive years in a row, in 2010 and 2011.

Our ACA team has produced several 1st Air Force level individual award winners over the years, to include Pilot of the Year in 2011, Senior Noncommissioned Officer of the Year in 2009, Noncommissioned Officer of the Year in 2009 and 2011, Maintainer of the Year for 2010 and Command Post Controller of the Year in 2010, 2011 and 2012. Most recently a 180FW Airman was selected as the 1st Air Force First Sergeant of the Year for 2014. In 2015, a 180FW Airman was selected as the 2015 Security Forces Aerospace Control Alert Airman of the Year. In 2017, the team earned the Air National Guard Outstanding Individual Occupational Safety Award.

The team's continued excellence has earned them the full confidence of the continental U.S. North American Aerospace Defense Command Region Commander when he stated "the 180FW is the benchmark for these operations." In the future, the 180FW and the 112FS will continue to be major contributors to the nation's air superiority.

In 2018, deployed more than 500 Airmen and 200 tons of equipment to 14 locations throughout the world to include: Estonia, Germany, Qatar, Afghanistan, Kuwait, Serbia, Jordan, Hungary, Israel and Antarctica. Proving that the 180FW remains the first choice for the fight, our Stingers remained dedicated to enhancing their skills by conducting realistic training in realistic environments, guaranteeing the wing is always ready when called.

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# ALWAYS ON MISSION



#### Follow us

**f** 180th Fighter Wing



**a** 180fw