

AUS

Quarterly Report



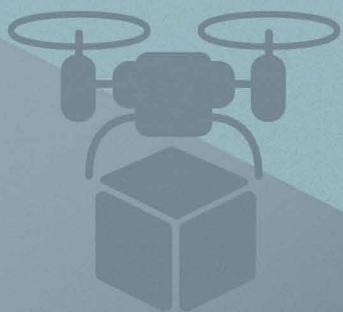
FAA
Aviation Safety



FY 2021

Q2

This document provides an overview of the Federal Aviation Administration Unmanned Aircraft Systems Integration Office's high-level accomplishments in FY 2021, Quarter 2 (January – March 2021). When available, links to additional information are provided.



Announcements & Regulations

January 5, 2021

New Members Appointed to the Drone Advisory Committee

U.S. Department of Transportation Secretary Elaine L. Chao announced new appointments to the [Federal Aviation Administration's \(FAA\) Drone Advisory Committee](#) or DAC.

"The Drone Advisory Committee is key to helping the FAA keep pace with innovation while protecting safety," said U.S. Transportation Secretary Elaine L. Chao.

The DAC is a broad-based, long-term federal advisory committee that provides the FAA advice on key UAS integration issues by helping to identify challenges and prioritize improvements. The committee helps to create a broad strategy for the safe integration of UAS into the National Airspace System.

For [more information on the Drone Advisory Committee](#), visit our website.

https://www.faa.gov/news/press_releases/news_story.cfm?newsId=25580

January 13, 2021

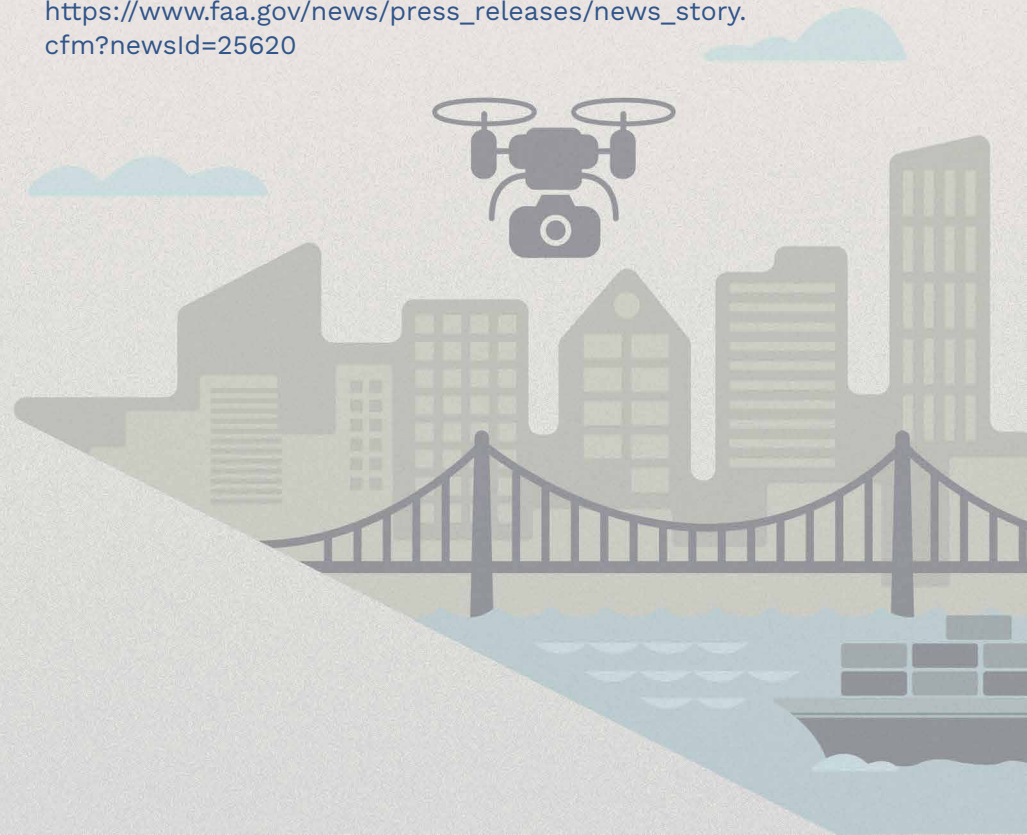
U.S. Department of Transportation Announces \$5.8 Million in 33 Unmanned Aircraft System Research Grants to Universities

The U.S. Department of Transportation's [Federal Aviation Administration \(FAA\)](#) announced \$5.8 million in research, education and training grants to universities that comprise

FAA's Air Transportation Center of Excellence for Unmanned Aircraft Systems (UAS), also known as the [Alliance for System Safety of UAS through Research Excellence \(ASSURE\)](#).

"These universities are making great strides in advancing the Department's efforts to integrate UAS safely and efficiently into our Nation's airspace system, ultimately delivering new transportation solutions and economic benefits for the American people," Acting U.S. Secretary of Transportation Steven G. Bradbury said.

https://www.faa.gov/news/press_releases/news_story.cfm?newsId=25620



Announcements & Regulations

March 2, 2021

FAA Selects Five Host Airports to Test and Evaluate Unmanned Aircraft Detection and Mitigation Systems

The Federal Aviation Administration (FAA) selected five host airports to evaluate technologies and systems that could detect and mitigate potential safety risks posed by unmanned aircraft. The effort is part of the agency's Airport Unmanned Aircraft Systems Detection and Mitigation Research Program.

The research will lead to the implementation of new technologies that will make airports safer for passengers and manned aircraft. Researchers plan to test and evaluate at least 10 technologies or systems at these airports. Testing will begin later this year and continue through 2023. It will create standards for future unmanned aircraft detection and mitigation technologies at airports around the country.

https://www.faa.gov/news/press_releases/news_story.cfm?newsId=25780

March 8, 2021

FAA, Choctaw Nation Team Up to Advance UAS

The Federal Aviation Administration (FAA) is partnering with the Choctaw Nation to study how Unmanned Aircraft Systems (UAS) can best transport cargo, including parcels, at lower altitudes.

The FAA's Mike Monroney Aeronautical Center (MMAC), signed a three-year Memorandum of Understanding (MOU) with the Choctaw Nation of Oklahoma.

The agreement will enable the MMAC to work with the Choctaw Nation to study human factors, supply chain management, and air traffic control. The parties will use virtual simulated urban environments for their research. One goal of the MOU is to promote interest in science, technology, engineering, and mathematics programs for students seeking possible careers in aerospace.

<https://www.faa.gov/news/updates/?newsId=96981>

March 12, 2021

FAA Announces Effective Dates for Final Drone Rules

The final rules requiring remote identification (ID) of drones and allowing some flights over people, over moving vehicles and at night under certain conditions will go into effect on April 21, 2021.

<https://www.faa.gov/news/updates/?newsId=97022>



Speeches, Meetings, & Events

January 13, 2021

Airborne Public Safety Association (APSA)

On January 13, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office participated in the APSA UAS User's Group monthly conference call and answered questions regarding the new rules on remote identification (ID) and operations over people, and their impact on public safety.

January 13, 2021

DroneResponders

On January 13, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office participated in the first DroneResponders "Ask the FAA" monthly webinar and discussed the new rules and their impact on public safety.

January 14, 2021

BEYOND Program Outreach

On January 14, the BEYOND team participated in "Connected by Drones," a local government networking group organized by the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office. More than 120 participants attended the event, which featured presentations on Unmanned Aircraft Systems (UAS) Integration Pilot Program (IPP) accomplishments and BEYOND.

January 14, 2021

New York State Division of Homeland Security and Emergency Services

On January 14, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office participated the State of New

York's Division of Homeland Security and Emergency Services UAS Working Group call and answered questions regarding the new remote identification and operations over people rules and their impact on public safety.

January 14, 2021

Department of Justice (DOJ)

On January 14, the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office participated in the U.S. Department of Justice's State, Local, Tribal, and Territory (SLTT) Law Enforcement UAS Working Group Meeting. This group was formed to assist SLTT law enforcement with their specific issues concerning UAS integration.

January 19, 2021

Meeting with France (Direction Générale de l'aviation Civile (DGAC))

On January 19, the international segment of the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office and other FAA line of business representatives organized a meeting to discuss UAS and UAS Traffic Management (UTM). The FAA presented a summary of the UTM Concept of Operations v2.0 and noted that v3.0 was coming in 2021. Additional presentation topics included UTM Pilot Program Phases 1 and 2, an explanation of Low Altitude Authorization and Notification Capability (LAANC)/UAS Facility Maps, UTM Ecosystem/FAA Cloud Services, and the FAA's approach to UAS type certification. Further meetings are planned.

January 26, 2021

Electric Vertical Takeoff and Landing (eVTOL) Symposium

On January 26, the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office's Executive Director, Jay Merkle, spoke to technical experts from industry, academia, and government at the Vertical Flight Society's 8th Annual eVTOL Symposium. Merkle participated in the opening general session alongside leaders from the National Aeronautics and Space Administration (NASA), U.S. Army, and AFWERX (a U.S. Air Force innovation team). He discussed advanced air mobility (AAM) and integration strategy.

January 26, 2021

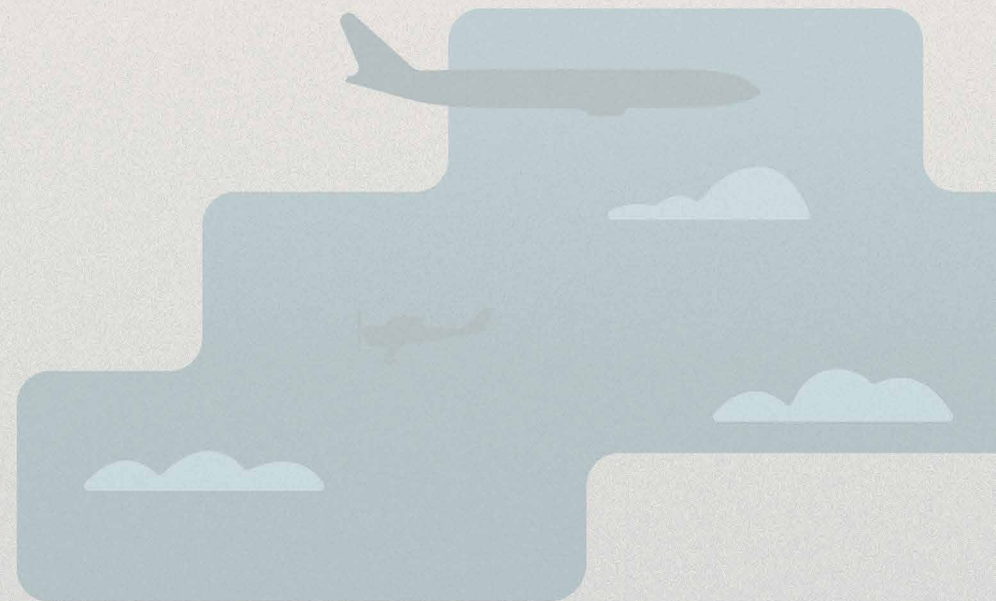
FAA UAS Final Rule Presentations for Australia

On January 26, the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office's Executive Director, Jay Merkle, briefed members of Australia's Department of Infrastructure, the Civil Aviation Safety Authority, and Airservices Australia on the FAA's recently published final rules on remote identification (ID) and operations over people (OOP). Australian members posed questions on controlling UAS from moving vehicles and Automatic Dependent Surveillance-Broadcast (ADS-B) use.

January 27, 2021

FAA UAS Final Rule Presentations for the European Commission (EC)

On January 27, the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office's Executive Director, Jay Merkle, briefed the EC Directorate-General for Mobility and Transport (DG MOVE) on the FAA's recently published final rules on remote identification (ID) and operations over people. DG MOVE offered to reciprocate in the future with an update on U-Space, the EC's UAS traffic management (UTM) system.



Speeches, Meetings, & Events

January 27, 2021

FAA International UAS Integration Research Roundtable

On January 27, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office hosted a virtual FAA International UAS Integration Research Roundtable. Partners from Israel, Singapore, Spain, South Korea, Switzerland, Transport Canada, and the United Kingdom participated, as did representatives from a variety of FAA offices. The meeting focused on a panel discussion on UAS traffic management (UTM) integration challenges with speakers from Rwanda, Transport Canada, and Switzerland. In addition, Singapore provided a briefing on their engine ingestion research.

February, 2021

UAS COLLEGIATE TRAINING INITIATIVE (CTI)

As of February, 2021, sixty-five UAS CTI memoranda of understanding have been signed and certificates have been sent to each school. To date, 128 schools have contacted the FAA to submit an application. For more information about the program, visit https://www.faa.gov/uas/educational_users/collegiate_training_initiative/.

February 2, 2021

FAA UAS Final Rule Presentations for United Kingdom (UK)

On February 2, the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office's Executive Director, Jay Merkle, briefed members of the UK's Department for Transport (DfT), the UK Civil Aviation Authority (CAA), and the UK National Air Traffic Services (UK NATS) on the FAA's recently published final rules on remote identification (ID) and operations over people (OOP).

Participants asked many questions, including on rule provisions for operations over roadways and FAA views on global harmonization of remote ID.

February 5, 2021

ASTM Remote ID Workgroups

On February 5, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems Integration Office and Flight Standards Service participated in ASTM remote identification (ID) workgroup discussions that focused on aligning the next iteration of the remote ID standard with the final rule on remote ID.

February 12, 2021

UAS West

On February 12, the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office's Executive Director, Jay Merkle, gave a presentation to industry and government leaders called "UAS Airspace Integration Programs Update: Beyond Line of Sight (BLOS) in the National Airspace (NAS)." He discussed advanced air mobility (AAM) and integration strategy. After completing his remarks, he answered questions from the audience about certification, durability and reliability, and international collaboration.

Speeches, Meetings, & Events

February 24, 2021

Drone Advisory Committee (DAC)

On February 24, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office held the third virtual DAC meeting. During the meeting, the FAA provided responses to the DAC recommendations on beyond visual line of sight (BVLOS) challenges and safety culture. DAC Task Group 9 presented an update to their recommendations on low altitude remote identification (ID) operations and they will present their final report at the June DAC meeting. The FAA then presented the DAC with a new tasking: gender neutral language, which was approved by the DAC and assigned to the Operations and Technology subcommittee.

February 24 & 25, 2021

"Droning On" Series

On February 24, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office conducted a public safety roundtable as part of the "Droning On" public engagement series. Approximately 25 public safety officials from across the country participated in the event. On February 25, there was a stadium managers' roundtable with approximately 10 stadium officials from across the country in attendance.

February 25, 2021

Public Safety

On February 25, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office presented on behalf of the State of New York Division of Homeland Security and Emergency Management to over 200 public safety officials from New York, Maine, Pennsylvania, and Texas. Federal representatives from the Department of Homeland Security, Customs and Border Protection, U.S. Coast Guard, Cybersecurity & Infrastructure Security Agency, Transportation Security Administration, Department of Justice, Federal Bureau of Investigation, Department of Veterans Affairs, and the U.S. Forest and Wildlife Service also attended.



Speeches, Meetings, & Events

February 25, 2021

American Bar Association Forum on Air & Space Law Drone Panel

The Federal Aviation Administration (FAA) Unmanned Aircraft Systems Integration Office's Executive Director, Jay Merkle, participated in a panel on February 25 titled "Accelerating Safe Advanced Drone Operations in the National Airspace." During the virtual session, Merkle was on a panel with representatives from Skydio and Wing and spoke to an audience composed primarily of attorneys who practice domestic and international aviation or space law.

March 8, 2021

Update: Web Pages for Remote Identification (ID) and Operations Over People Rules

On March 8, corrections to the final rules on [remote ID](#) and [operations over people](#) were put on display in the Federal Register. The corrections resulted in new effective dates for both rules, with other date changes affecting primarily the operations over people timeline. Updates reflecting the new dates have been made to the respective web pages, which can be found [here](#).

March 10, 2021

Asia-Pacific Economic Cooperation (APEC) Transportation Aviation Experts Group (AEG) Meeting

On March 10, the Federal Aviation Administration's (FAA) Unmanned Aircraft Systems (UAS) Integration Office, along with FAA's Flight Standards Service, Office of International Aviation, and the Department of Transportation's Office of the Secretary participated in the first APEC Transportation AEG meeting of 2021, where "UAS" was selected as the year's theme. The AEG is scheduled to meet in the summer and fall, where members from the 21 APEC countries will present on more narrowly defined UAS integration subjects.

March 22, 2021 – April 6, 2021

BEYOND Plenary Sessions

Beginning March 22 and continuing through April 6, the Federal Aviation Administration's BEYOND team led a series of beyond visual line of sight (BVLOS) plenary sessions with the Federal Aviation Administration, BEYOND Lead Participants, and industry participants on command and control (C2), detect and avoid (DAA), Unmanned Aircraft Systems (UAS) Traffic Management (UTM), and final rules on remote identification and operations over people. The team documented major takeaways from each session and consolidated them for future referencing.

Speeches, Meetings, & Events

March 24, 2021

“Droning on for Public Safety” Webinar

On March 24, the Federal Aviation Administration’s (FAA) Unmanned Aircraft Systems (UAS) Integration Office participated in the monthly “Droning on for Public Safety” webinar series. Invited public safety participants included the Austin Texas Fire Department and the Travis County (Austin, TX) Emergency Medical Service. Over 50 agencies participated in the webinar.

March 25, 2021

Remote Identification (ID) and Operations Over People (OOP) Rules Presentation for European Union Aviation Safety Agency (EASA)

On March 25, the Federal Aviation Administration’s (FAA) Unmanned Aircraft Systems (UAS) Integration Office hosted six members of EASA’s Drone Program for briefings on the remote ID and OOP rules. The UAS Integration Office compiled and coordinated responses to EASA’s questions, including several on remote ID and the prohibition on Automatic Dependent Surveillance-Broadcast (ADS-B) Out and transponder use in aircraft not receiving air traffic control services.

March 31, 2021

Federal Aviation Administration (FAA) Eastern Regional Administrator

On March 31, the FAA’s Unmanned Aircraft Systems (UAS) Integration Office presented at the Association of American Airport Executives North East Conference on behalf of the FAA Eastern Regional Administrator. The presentation was an update on the new rules on remote identification, operations over people, and night operations.



Select Social Media Notices

The FAA Drone Guy reminds you that while we published a new remote identification rule last week for drones that spells out the equipment and technical requirements needed to broadcast Remote ID, all drones must still follow operating rules such as Part 107 or the exception for recreational flyers. Learn more at <https://bit.ly/3o2lwnH>. #TipTuesday #FAADroneGuy #RemoteID

<https://www.facebook.com/103683877826050/posts/236719497855820/>

Whether you fly your drone for business or fun, remember to register it in the FAA DroneZone: <https://t.co/6wSOEo2I3M>. Registration costs \$5 and is valid for 3 years (don't forget to re-register). Make sure to mark an external surface with your registration number. #TipTuesday <https://t.co/htCdxcvzEZ>

<https://twitter.com/FAADroneZone/status/1349023470739456001>

Thinking about starting a drone program at your college or university? Join the FAA and @autonomoustech1 for a webinar. From Ideas to Reality: Developing, Starting, and Maintaining a Drone Program starts today at 2 PM CT. Register at <https://t.co/EMMJcxdCQe>. #STEM

<https://twitter.com/FAADroneZone/status/1357339395326496776>

Hey, drone pilots! Now you can plan your flight on your computer before ever leaving your home! A new web-based version of B4UFly is available; tap the link in our bio to check out the new site. #B4UFly #PlanYourFlight #FlyYourPlan #TipTuesday

<https://www.instagram.com/p/CLE9WeinYZL/>

#BuzzytheDrone's heartfelt advice on showing your drone some love this #ValentinesDay: Register it for only \$5 in the FAADroneZone at <https://t.co/UhGhW4npby>. After you register it, mark an external surface with your registration number. #DroneLove <https://t.co/qqCXnY7oIP>

<https://twitter.com/FAANews/status/1360351702952652809>

Brr! Did you know cold temps can reduce your drone's battery output? Before flying, ensure your battery is fully charged, kept at a safe temp and always monitor battery levels during flight. Don't let a dead battery keep you from safely finishing your... #TipTuesday

<https://www.instagram.com/p/CLXFincn4kq/>

Watch it here live at 12 PM ET: The Drone Advisory Committee will hold a virtual meeting to provide the FAA with advice on key drone integration issues. Learn more at <https://t.co/oElkL6vftB>. #DAC <https://t.co/hqVQXa30AQ>.

<https://twitter.com/FAADroneZone/status/1364575956535562247>

Select Social Media Notices

Many small drones can be flown right out of the box, but we do expect you to be proficient in operating your drone based on the complexity of your planned flight. <http://bit.ly/3royiVo>

<https://www.facebook.com/174311909277106/posts/5096485667059681/>

Drone Pilots: First-person view (FPV) flying is cool, but don't lose sight of safety! The drone must always remain within visual line of sight of the person flying it and you must use a visual observer under Part 107 or as a recreational flyer. #FPVday

<https://twitter.com/FAADroneZone/status/1366875670035456008>

Hey, remote pilots! We recently clarified what the FAA looks for in a Part 107 waiver application. Find the Waiver Approval Guidance document at <http://bit.ly/38kdL6P>. #TipTuesday #TheMoreYouKnow

<https://www.facebook.com/103683877826050/posts/273384930855943/>

The new, free online training course for Part 107 remote pilots will be available April 6. Until then, remote pilots must follow existing procedures. Learn more about new effective dates on recent drone rules at <http://bit.ly/3cyIjv>. #TipTuesday

<https://www.facebook.com/FAADroneZone/photos/a.111667783694326/277658517095251/?type=3>

Spring is the perfect time to get outside with your drone, but don't spring into flying before you've registered your drone in the FAA DroneZone at <http://bit.ly/2ZK3FWK>. Registration is only \$5 and lasts for 3 years. Last but not least, remember to mark an external surface of your drone with your registration number. #TipTuesday

<https://www.facebook.com/FAADroneZone/photos/a.111667783694326/281936490000787/?type=3>