

June 2015 GUIRR Meeting

Unmanned Aircraft Systems: Use and Regulation

Related Reading - Random Assortment; No Endorsement Intended or Implied; Purely Informational

NAS Relevant Reading

- [Select Reports from the National Academies](#)

Uses & Applications

- [Civil and Commercial UAS Applications](#)
The Unmanned Aerial Vehicle Systems Association (UAVS) has compiled a list of the various applications for UAS technology.
- [Drones & Aerial Surveillance: The Opportunities and the Risks](#)
An analysis by Brookings on the use of UAS for surveillance.
- [CNN Signs UAV Research Agreement with the FAA](#)
CNN and Georgia Tech Research Institute have entered into a CRDA with the FAA; an overview of the government-university-industry arrangement.
- [FAA Says Hollywood Can Film with Drones](#)
The FAA granted permission for the use of UAS on movie sets. This link includes a video and description of how UAS can be used for movie production.
- [FAA Expected to Approve Drones for Movie Making](#)
This article by the Associated Press describes the exemption that the FAA considered for movie production.
- [Drones play a role in Hampton Roads Science and Research](#)
This article discussed some of the research going on with UAS.
- [Drone U.](#)
Inside Higher Education describes some of the challenges associated with universities trying to do research using UAS.
- [These People Flew Drones Into the World's Natural Wonders — Watch What Happened](#)
Fly into the gaping mouth of an active volcano. Ride on the back of a leaping dolphin. We've entered an era when tiny, camera-wielding, remote-controlled robots—better known as drones—can take us on vicarious adventures anywhere we want. And we never even have to leave the couch.

Privacy & Security

- [Privacy, Transparency, & Accountability Regarding Commercial and Private Use of UAS](#)
The Department of Commerce has requested comments relating to the privacy and transparency concerns about UAS. Comments were due April 20, 2015.
- [Privacy and Drones: Unmanned Aerial Vehicles](#)
This report comes Ann Cavoukian, Information & Privacy Commissioner, Ontario, Canada. It discusses the uses of UAS, the associated privacy concerns, and how a “Privacy by Design” approach can address concerns while promoting technological advancement.
- [The Drone as Privacy Catalyst](#)
This Stanford Law Review article discusses the legal underpinning for current privacy policies and explores how these relate to UAS.

Regulations

- [FAA Model Aircraft Operations](#)
View the current FAA regulations for personal use of UAS under 55lbs.
- [Small UAS Notice of Proposed Rulemaking](#)
Interested parties had until April 24, 2015 to comment on the FAA's proposed regulations for the commercial use of UAS under 55lbs.
- [UAS Regulation in Civil Airspace](#)
UAVS provides an overview of the UK UAS regulations.
- [Drones & Aerial Surveillance: Consideration for Legislators](#)
This analysis, performed by Gregory McNeal (Pepperdine University School of Law) and published by Brookings, provides an approach for legislators to consider as they develop UAS regulations.
- [Universities: Confusing Drone Rules Stifle Our Research](#)
This article from the *National Journal* details university objections to FAA regulations.
- [Meeting: Operation and Certification of Small Unmanned Aircraft Systems](#)
The Association of American Universities requested a meeting in response to the proposed FAA rules. View the memorandum and list of attendees here.
- [FAA Grants Drone Exemptions Following Report US is Lagging Worldwide](#)
This article from CBS news provides an assessment of the state of US drone regulations as of December 2014.
- [Booker and Hoeven Introduce Legislation to Support Commercial Drone Innovation](#)
Legislation sets interim operating rules for commercial UAS technology, seeks to unlock potential for innovative uses. Senators fight to keep other countries from outpacing the U.S. in rapidly growing field. (May 12, 2015)
- [Drone Wars \(Of The Legal Variety\)](#)
"Drones, 1; FAA, 0" is how Ryan Calo succinctly put it. (*Forbes*, March 17, 2014)