

# Unmanned Aircraft Systems (UAS) Integration Office Overview

**Presented to:** UAS Technical Interchange Project

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FAA UAS Integration Office

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Federal Aviation  
Administration



# FAA Vision for UAS Integration

Safe, efficient, and timely integration of UAS into the airspace

## SAFE

Because safety is the FAA's primary mission

## EFFICIENT

FAA is committed to reduce delays and increase system reliability

## TIMELY

FAA is dedicated to supporting this exciting new technology



# UAS Come in Various Shapes and Sizes



# FAA Modernization and Reform Act of 2012 (FMRA): Section 333



**FILMING - POWER LINE INSPECTION - PRECISION AGRICULTURE - FLARE STACK INSPECTION**



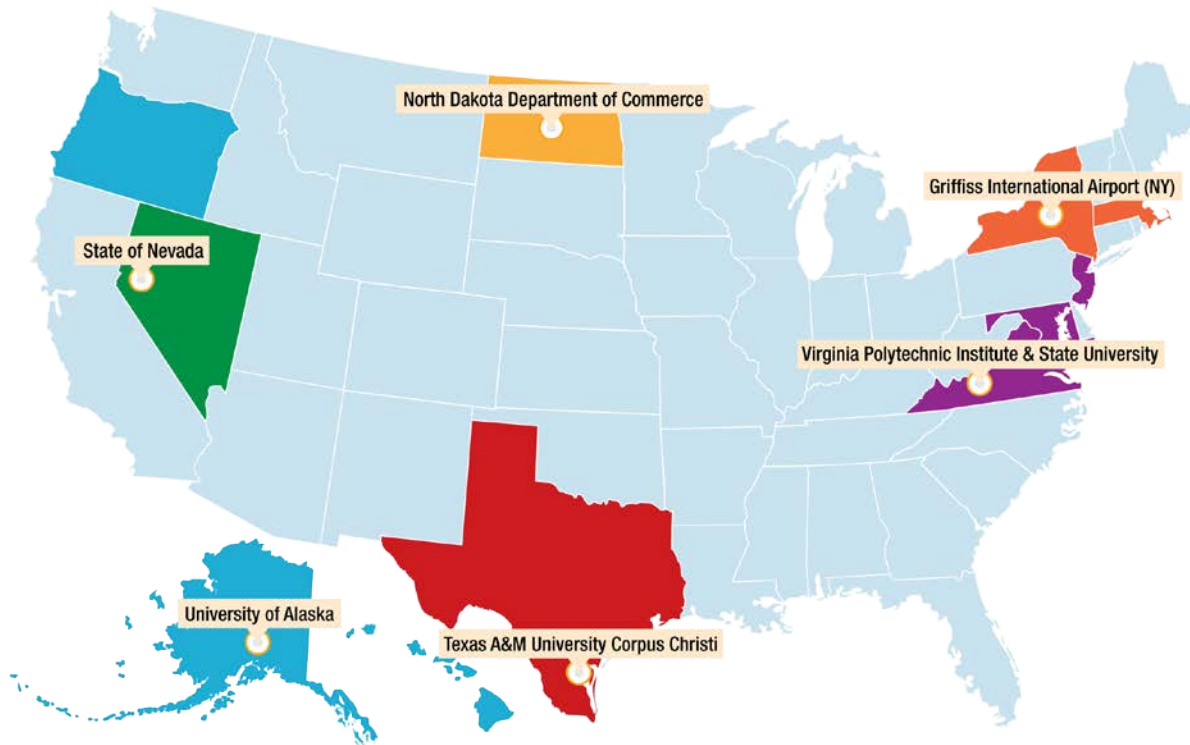
# Traditional Aerial Filming



# UAS Aerial Filming

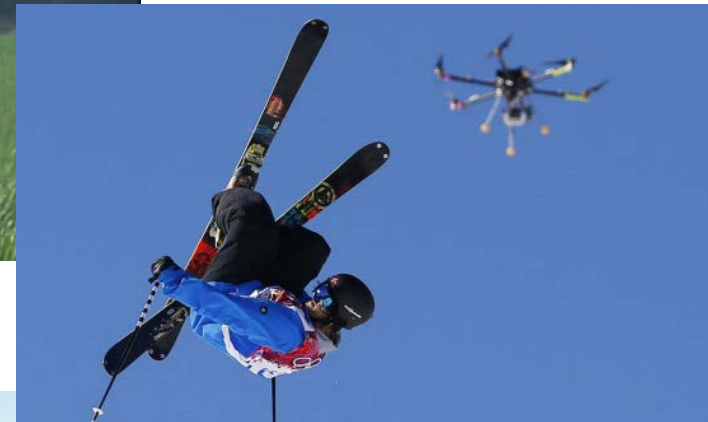


# UAS Test Sites



- **University of Alaska**
  - Includes test ranges in Hawaii and Oregon
  - Operational May 5, 2014
- **State of Nevada**
  - Operational June 9, 2014
- **New York Griffiss International Airport**
  - Includes test ranges in Massachusetts
  - Operational August 7, 2014
- **North Dakota Department of Commerce**
  - Operational April 21, 2014
- **Texas A&M University – Corpus Christi**
  - Operational June 20, 2014
- **Virginia Polytechnic Institute and State University (Virginia Tech)**
  - Includes test ranges in New Jersey (partnered with Rutgers University) and Maryland
  - Operational August 13, 2014

# Small UAS Rule



# Scan Eagle and Puma Launches



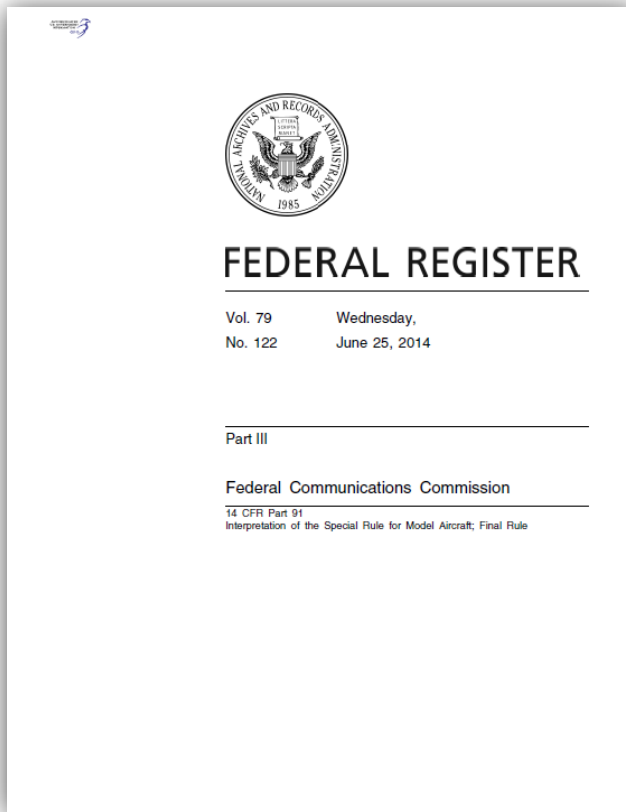
# Operation Arctic Shield



# Civil UAS Integration Roadmap



# Interpretive Rule



Hobby / Recreational Flying

## What Can I Do With My Model Aircraft?

Having fun means flying safely! Hobby or recreational flying doesn't require FAA approval but you must follow safety guidelines. Any other use requires FAA authorization.

**AVOID DOING ANYTHING HAZARDOUS TO OTHER AIRPLANES OR PEOPLE AND PROPERTY ON THE GROUND.**

- ✓ **DO** fly a model aircraft/UAS at the local model aircraft club
- ✓ **DO** take lessons and learn to fly safely
- ✓ **DO** contact the airport or control tower when flying within 5 miles of the airport
- ✓ **DO** fly a model aircraft for personal enjoyment
- ✗ **DON'T** fly near manned aircraft
- ✗ **DON'T** fly beyond line of sight of the operator
- ✗ **DON'T** fly an aircraft weighing more than 55 lbs unless it's certified by an aeromodelling community-based organization
- ✗ **DON'T** fly contrary to your aeromodelling community-based safety guidelines
- ✗ **DON'T** fly model aircraft for payment or commercial purposes



### MODEL AIRCRAFT OPERATIONS LIMITS

According to the FAA Modernization and Reform Act of 2012 as (1) the aircraft is flown strictly for hobby or recreational use; (2) the aircraft is operated in accordance with a community-based set of safety guidelines and within the programming of a nationwide community-based organization; (3) the aircraft is limited to not more than 55 pounds unless otherwise certified through a design, construction, inspection,

flight test, and operational safety program administered by a community-based organization; (4) the aircraft is operated in a manner that does not interfere with and gives way to any manned aircraft; (5) when flown within 5 miles of an airport, the operator of the aircraft provides the airport operator and the airport air traffic control tower...with prior notice of the operation; and (6) the aircraft is flown within visual line of sight of the operator.

For more information about safety training and guidelines, visit [www.modelaircraft.org](http://www.modelaircraft.org)

For more information, visit  
[www.faa.gov/go/uas](http://www.faa.gov/go/uas)



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# Questions?

