



Overview of the Unmanned Aircraft Systems Industry

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Association for Unmanned Vehicle Systems International



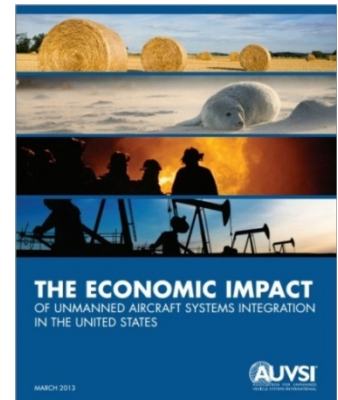
About AUVSI

- Association for Unmanned Vehicle Systems International
- AUVSI's mission is to advance the unmanned systems and robotics community through ***advocacy, education and market growth***.
- In its 45th year, AUVSI is the ***world's largest association for unmanned systems and robotics***
 - Air, ground and maritime
 - Commercial, civil and defense
- More than ***7,500 members***, including ***more than 600 corporate members*** from more than ***60 countries***
- ***Diverse membership*** from industry, to government to academia
- ***More than 30 chapters across the U.S.***, and others in Israel, Singapore, Spain, and the United Kingdom
- **XPONENTIAL**, industry's largest trade show, **Dallas, May 8 to 11**
- **Automated Vehicle Symposium, San Francisco, July 11 to 13**

UAS Economic Potential

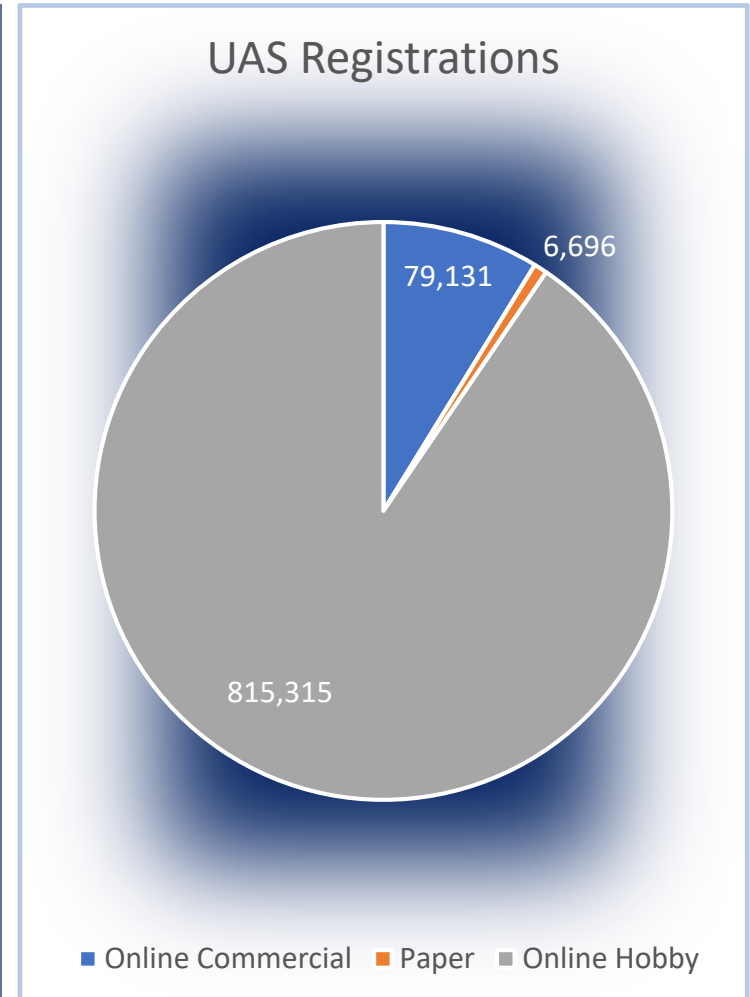
AUVSI's Economic Report:

- The UAS global market is currently \$11.3 billion
- Over the next 10 years, the UAS global market will total \$140 billion
- The economic impact of US airspace integration will total over \$13.6 billion in the first three years and will grow to over \$82.1 billion in first decade



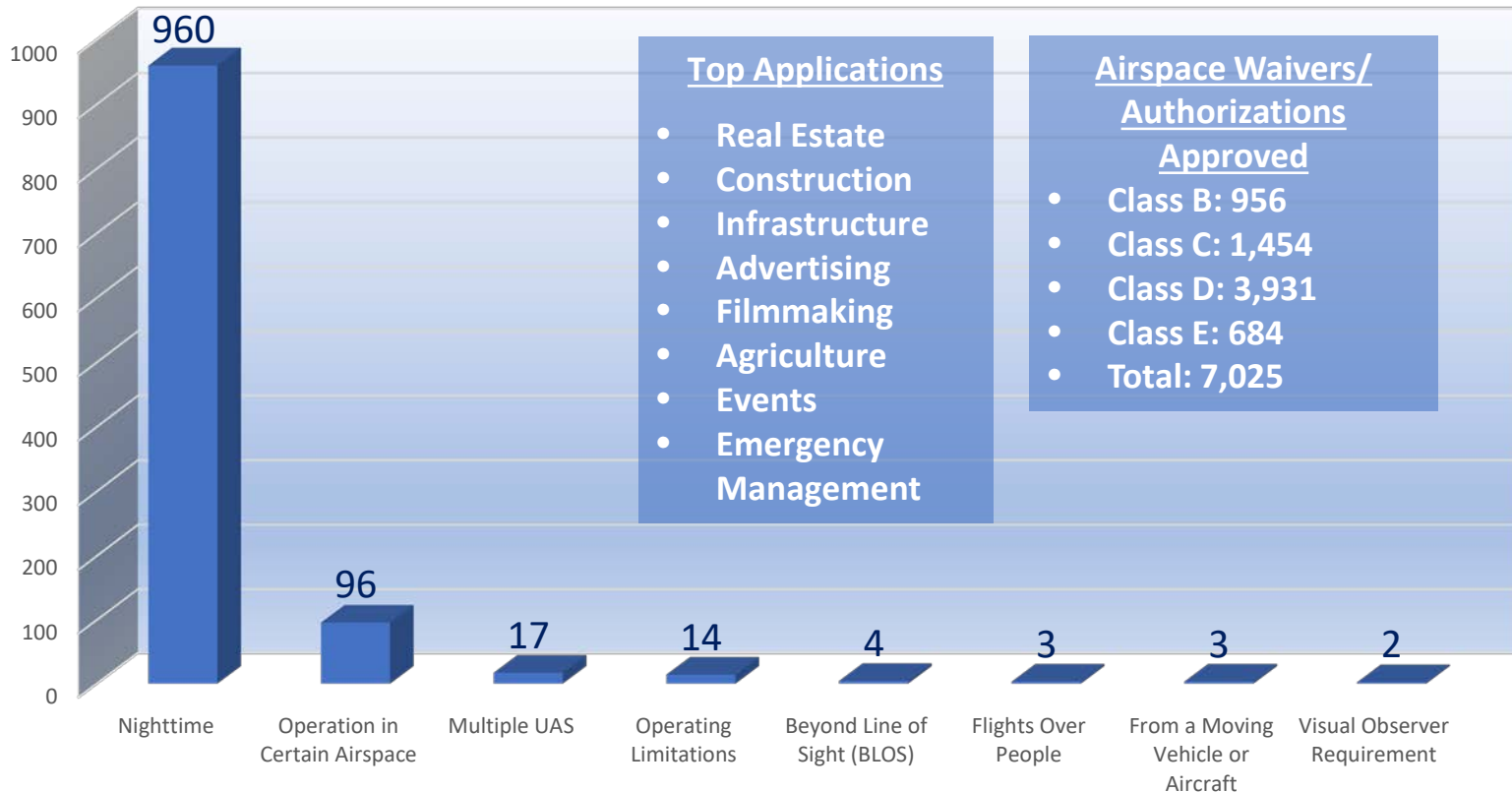
sUAS Rule (Part 107 FAR)

- Mandated by 2012 FAA Reauthorization Act
- **Took effect on Aug. 29, 2016**
- First clear regulatory framework on civil and commercial UAS operations
- Established a flexible, risk-based approach to regulating UAS
- Requires knowledge test, background check
- Approved operations:
 - Only during daylight hours
 - One aircraft, one pilot
 - Within visual line of sight, <400 feet
- Certain operations allowed by waivers
- Remote Pilot Certificates
 - Total Certificates Issued: 59,016
 - Total Knowledge Exam Passed: 40,741
 - Exam Success Rate: 92%

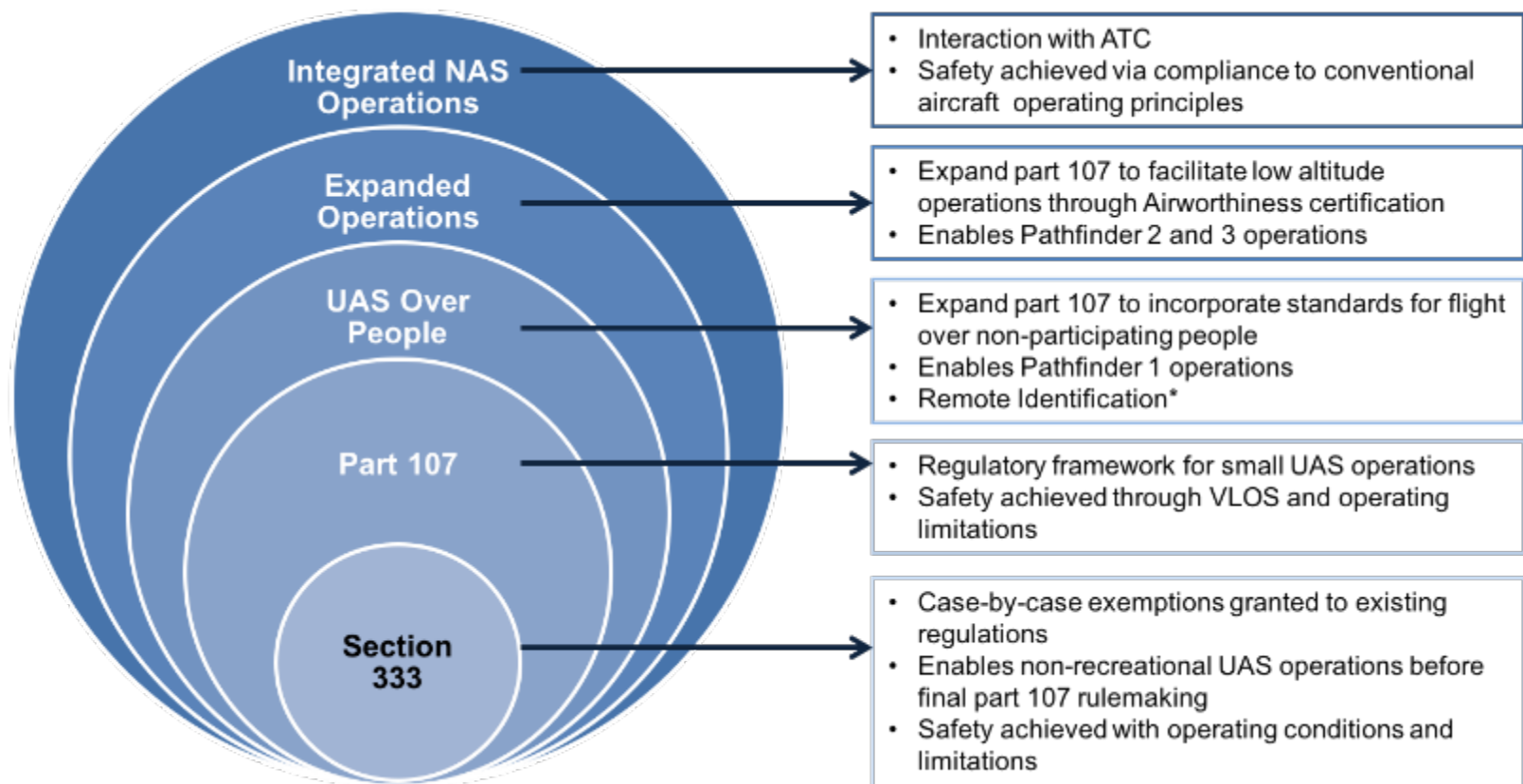


sUAS Rule (Part 107 FAR)

Waiver Types Granted to Operators



FAA UAS Regulation Roadmap





Know Before You Fly Campaign

- Education campaign to teach prospective UAS users how to fly responsibly
 - Partnered with Academy of Model Aeronautics and FAA
- Website www.knowbeforeyoufly.org provides recreational, commercial, and public entities with information and guidance to fly safely and responsibly.
- Working with manufacturers and distributors to include pamphlets in UAS product packaging and at the point of sale

DID YOU KNOW?



Unmanned aircraft must follow temporary flight restrictions around stadiums and racetracks.

Click here to learn more.



**Federal Aviation
Administration**





Remote Pilots Council

Initiatives to promote safety and performance in the unmanned aircraft systems (UAS) industry.

AUVSI Excellence Awards - 23 awards

- Technology innovation
- Training, Certification and Education Provider
- Operations and Safety Award
- Humanitarian Award

The awards will be presented at



COLORADO CONVENTION CENTER | DENVER
April 30 – May 3: Educational Program | May 1 - 3: Exhibits

Collaborations & Partnerships

Partnership with National Council on Public Safety

- Collaborate to create education programs and materials to facilitate the widespread adoption of UAS among first responders. The partnership will also provide a forum for industry and the public safety community to review and evaluate the latest research and development in unmanned systems technology, as well as the products and services it enables to support mission-critical operations.

ANSI UASSC – Standardization Collaborative

- To coordinate and accelerate the development of the standards and conformity assessment programs needed to facilitate the safe, mass integration of unmanned aircraft systems (UAS) into the national airspace system (NAS) of the United States, with international coordination and adaptability.

