



# Overview of the Unmanned Aircraft Systems Industry

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# About AUVSI

- **AUVSI's mission is to advance the unmanned systems and robotics community through education, advocacy and leadership.**
- **AUVSI's vision is to improve humanity by enabling the global use of robotic technology in everyday lives.**
- In its 43<sup>rd</sup> year, AUVSI is the ***world's largest non-profit association*** devoted exclusively to unmanned systems and robotics
  - Air, Ground and Maritime
  - Defense, Civil and Commercial
- AUVSI represents more than ***7,500 members***, including ***more than 600 corporate members*** from more than ***60 countries***
- ***Diverse membership*** from industry, government and academia

# AUVSI Chapters

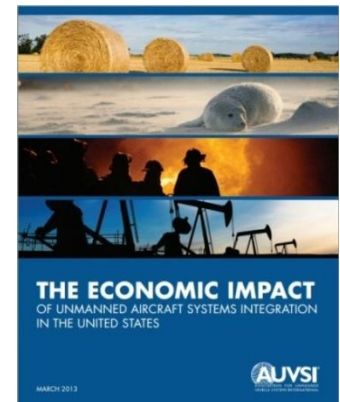
- **AUVSI has more than 30 Chapters across the U.S., and others in the UK, Spain, Israel and China**
- **Many chapters have hosted events that include information on commercial uses for UAS**
- **Precision Agriculture**
  - Cascade Chapter (Oregon and Washington)
  - USA-OK Chapter (Oklahoma)
  - Atlanta Chapter (Georgia)
  - Pathfinder Chapter (Alabama)
- **First Responders/Law Enforcement/Search and Rescue**
  - Cascade Chapter (Oregon and Washington)
  - Lone Star Chapter (Texas)
- **Commercial/Consumer Robotics**
  - Silicon Valley Chapter (N. California)
  - Twin Cities Chapter (Minnesota)
  - Mountain West (Utah and Idaho)



# 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 sustainably for the foreseeable future, cumulating to over **\$82.1 billion** between in first decade



# Small UAS Rule

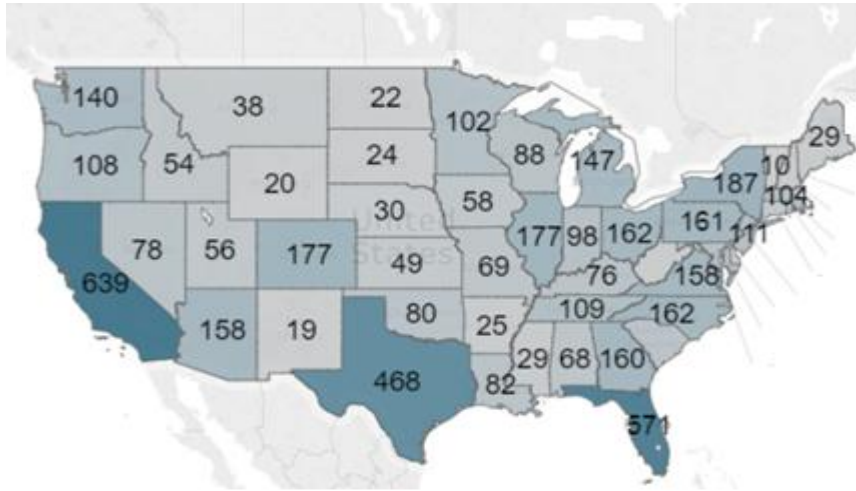
## Small UAS Rule (Part 107)

- Mandated by 2012 FAA Reauthorization Act
- Took effect on August 29
- First clear regulatory framework on civil and commercial UAS operations
- Established a flexible, risk-based approach to regulating UAS
- Allows anyone who follows the rules to fly
- Generally speaking:
  - Operators need to fly under 400 feet
  - Within visual line of sight
  - Only during daylight hours
- However, Part 107 allows for exceptions through an FAA waiver process

## Looking Ahead

- On the first day the rule went into effect, **more than 3,300 people signed up to take the aeronautical knowledge test**, called the Unmanned Aircraft General (UAG) examination
- Of the more than 530,000 people that have registered their UAS with the FAA since last December, **more than 20,000 have indicated they are commercial operators**
- FAA projects **more than 600,000 UAS could be flying** for commercial use over the next year

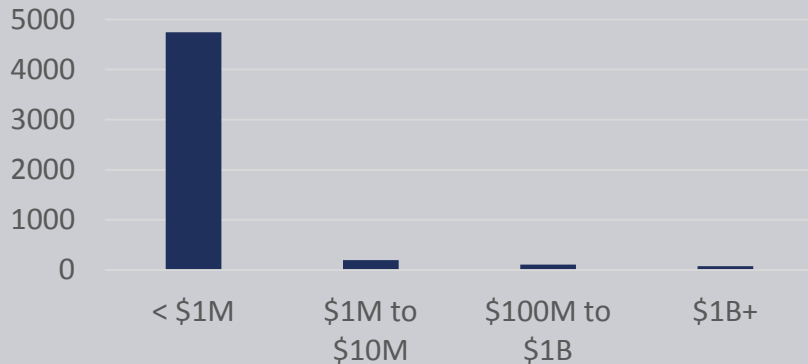
# Exemptions Report



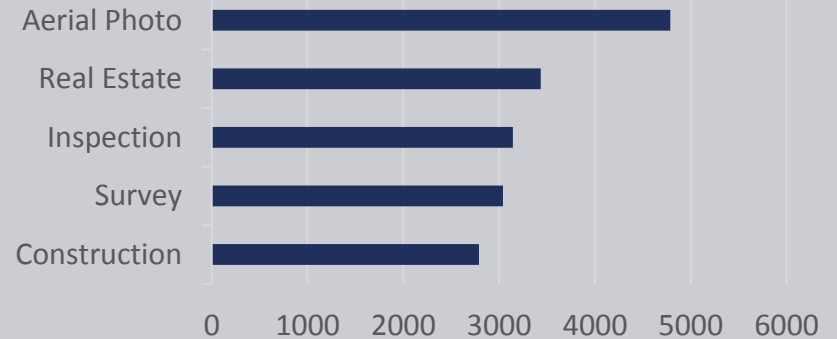
## Top States

1. California	6. Illinois
2. Florida	7. North Carolina
3. Texas	8. Ohio
4. New York	9. Pennsylvania
5. Colorado	10. Georgia

## Revenue



## Business Applications





# AUVSI Policy Priorities

## Included in 2016 Federal Legislation

- ✓ **Implement a “Risk-Based, Technology Neutral” Regulatory Framework**
- ✓ **Expand Section 333 Exemption Authority to Include Beyond-Line-of-Sight**
- ✓ **Develop a Holistic R&D Plan for UAS Integration**
- ✓ **Make FAA-Designated UAS Test Sites Eligible for Federal Funding**
- ✓ **Advance the Development of a UAS Traffic Management System**
- ✓ **Elevate UAS Integration into the National Airspace System as a national priority**





# Thanks for the Work You Are Doing!

AUVSI  
[www.auvsi.org](http://www.auvsi.org)