UAS Agricultural Operations

Presented to: State FIFRA Issues Research and Evaluation Group Webinar
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Overview

Operating Rules

Regulatory Relief Required

Part 137 Certification Requirements

Public Aircraft Operations
Operating Rules

- Part 61, *Certification: Pilots, Flight Instructors, and Ground Instructors*
- Part 91, *General Operating and Flight Rules*
- Part 107, *Small Unmanned Aircraft Systems*
- Part 137, *Agricultural Aircraft Operations*

Regulatory Relief Required

- Exemptions to Parts 61 and 91 if the aircraft is 55 pounds or greater
- Section 333 if the aircraft does not have any other certification basis
- Part 107 – You will most likely need an exemption from 107.36, Carriage of Hazardous Materials
- Part 137 – Several sections of this part must be exempted
Part 137 Certification Requirements

- Certification Service Oversight Procedure (CSOP)
- 5 Phases of the Certification Process
  - Pre-application Phase
  - Formal Application Phase – the petition for exemption must be submitted and accepted to the Federal Register prior to beginning this phase
  - Document Compliance Phase
  - Demonstration and Inspection Phase – The exemption must be granted prior to the completion of this phase
  - Certification Phase

Public Aircraft Operations

- Assuming the public safety entity meets the statutory requirements to fly under the public legal framework as a public aircraft operator, they must obtain a Certificate of Waiver/Authorization (COA) issued by the FAA to fly PAO missions.
- Types of COA
  - Blanket Area Public Safety (BAPS) COA
  - Jurisdictional COA
  - Special Governmental Interest (Emergency COA)
- A Federal, state, or local government conducting agricultural aircraft operations with public aircraft need not comply with the certification rules of part 137, but must comply with certain operating rules of subpart C of part 137.
UAS Integration Pilot Program

- Develop and test innovative UAS concepts
- Inform future guidelines and regulations
- Evaluate involvement of state, local, tribal governments

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UAS IPP Participants

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