Drones – The Big Picture

By The Numbers…

• Over 1 Million Drone Registrations
  • 160,000+ registered for commercial use
• Over 86,000 Remote Pilots
• ~18,000 Airspace Authorizations
• Over 1,500 Operational Waivers
• 355 Emergency Authorizations for Hurricane Response
• 3 Drone Delivery Partnerships
• 12 UAS Type Certification Projects
• 3 Certified Agricultural Operators

On The Horizon…

• UAS Integration Pilot Program
  • Evaluations ongoing
  • At least 10 to be selected
  • Agreements in place by May 7
• Future Rules
  1. Remote Identification
  2. Routine Operations at Night and Over People
  3. Critical Infrastructure Protection
The Path to Full Integration

Airspace Management

- ATM – NAS System Integration
- ATM – ACAS-Xu based DAA
- Aeronautical Information Infrastructure for sUAS
- Remote ID
- ATC Order – No ATC Services below 400 Ft AGL
- Low Altitude Authorization & Notification Capability (LAANC)
- sUAS Registration
- Low-risk, Isolated

Building the Foundation

Full UAS Integration

- Small Cargo / Passenger Operations
- Non-Segregated Operations
- Expanded Operations
- UAS Operations Over People
- Rulemaking to Address Security Concerns
- Part 107 Operations
- Operations by Exemption

Regulatory Framework
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<tr>
<th>UAS Traffic Management</th>
<th>Regulatory Framework</th>
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<tr>
<td>• UAS Registration/DroneZone</td>
<td>• NPRM for operations over people/at night</td>
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<td>• Nationwide LAANC rollout</td>
<td>• Section 2209 process/NPRM</td>
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<tr>
<td>• Remote ID network</td>
<td>• ANPRM for security</td>
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<td>• Dynamic airspace designation</td>
<td>• Remote ID rule</td>
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<th>Enabling Expanded Operations</th>
<th>Public Outreach &amp; Education</th>
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<tr>
<td>• Integration Pilot Program</td>
<td>• Concerted outreach to educate &amp; support state/local operations/enforcement</td>
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<td>• Partnership for Safety Plans (PSPs)</td>
<td>• Public safety officials</td>
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<td>• Part 135 certifications</td>
<td>• Fire/police departments</td>
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<td>• Additional waiver guidance</td>
<td>• Local legislators</td>
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<td>• Deviations for UAS testing</td>
<td>• Waiver education campaign</td>
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UAS Integration Pilot Program

- **149** complete lead applicant proposals submitted, from geographically diverse state, local, and tribal government entities
- DOT Secretary Chao will select a minimum of **10 participants**
- Evaluations on track to support selection by May 2018
- Program sunsets after three years, unless extended by the Secretary