

Second Global RPAS Symposium

“Status of the Regulatory Framework”

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Administration

Our Goal: A Comprehensive Regulatory Framework

ICAO's Focus

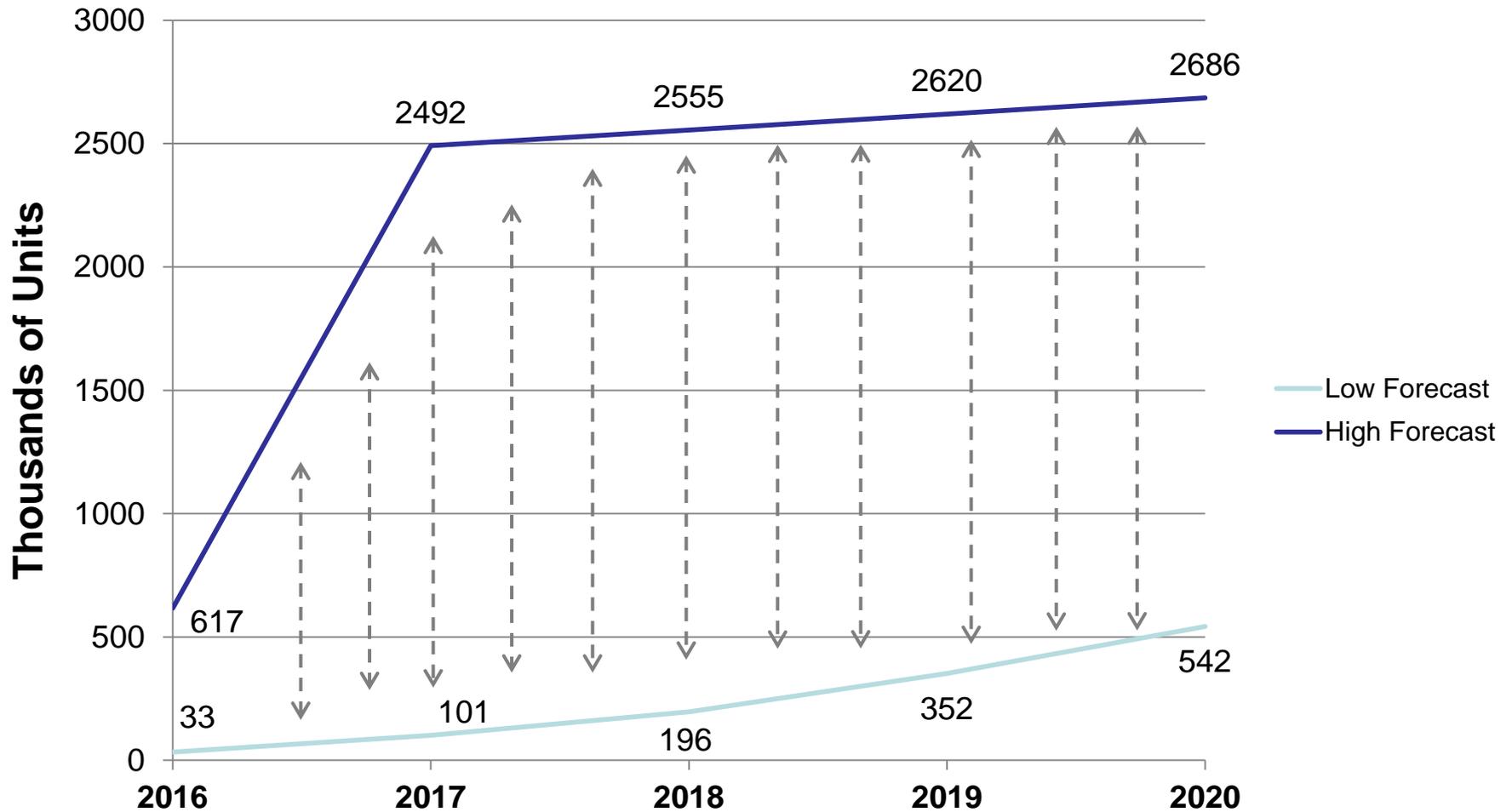
- ✦ IFR international operations...
- ✦ Conducted by a certificated aircraft...
- ✦ Operated from a certificated stations...
- ✦ By a certificated pilot...

The FAA's Focus

- ✦ International engagement in support of these same ICAO priorities
- ✦ The operation of small (less than 25kg) unmanned aircraft
- ✦ The registration of these same aircraft
- ✦ The certification of remote pilots



Small UAS (non-model) Fleet



UAS vs. Model Aircraft

The FAA Modernization and Reform Act of 2012 prohibited the FAA from regulating model aircraft, as long as-

- ✎ They weigh less than 25kg
- ✎ They are used for hobby or recreational purposes
- ✎ They are operated in accordance with a community-based set of safety guidelines established by the Academy of Model Aeronautics.



Part 107 Overview

- ✦ Day/VFR operations
- ✦ Within visual line of sight
- ✦ Weight less than 25kg
- ✦ Maximum altitude is 400 feet AGL
(higher if remaining within 400 feet of a structure).
- ✦ Maximum speed 87 knots
- ✦ You can't fly a small UAS over anyone who is not directly participating in the operation
- ✦ A UAS may not fly under a covered structure



Part 107 Overview *Continued...*

- ✦ Operations in Class G airspace are allowed without air traffic control authorization
- ✦ Operations in Class B, C, D and E airspace need ATC authorization.
- ✦ You can carry an external load if it is securely attached and does not adversely affect the flight characteristics or controllability of the aircraft.
- ✦ Operators may transport property for compensation or hire (intrastate only) .
- ✦ Small UAS need not comply with current agency airworthiness standards or obtain aircraft certification.



Waivable Provisions of Part 107

- ✂ **Operation from a moving vehicle or aircraft** (§ 107.25)
- ✂ **Daylight operation** (§ 107.29)
- ✂ **Visual line of sight aircraft operation**
(§ 107.31)
- ✂ **Visual observer** (§ 107.33)
- ✂ **Operation of multiple small UAS**
(§ 107.35)
- ✂ **Yielding the right of way** (§ 107.37(a))
- ✂ **Operation over people** (§ 107.39)
- ✂ **Operation in certain airspace** (§ 107.41)
- ✂ **Operating limitations for small UAS** (§ 107.51)
- ✂ **Online portal available at http://www.faa.gov/uas/request_waiver**



Part 107- Pilot Certification

To operate the controls of a small UAS under Part 107, you need-

- ✎ To be at least 16 years old
- ✎ To hold a remote pilot airman certificate with a small UAS rating

No practical (flight) test is required



What's Next

- 🚩 Operations over people
- 🚩 Night operations
- 🚩 Operations beyond visual line of sight



Thank you

