First Look: Final Rule on Remote ID of Unmanned Aircraft
29 December, 2020

Three Ways to Comply:

1. Standard Remote ID
   - Broadcast equipment built into UAS at a manufacturer’s level.
   - Requires radio frequency spectrum to broadcast location, altitude, ID, emergency status, etc., for both UAS and control station.
   - UAS designed not to take off if not broadcasting signal.
   - All UAS manufactured to fly in the National Airspace System need to meet standards and certification of the standard Remote ID requirements.

2. Broadcast Modules
   - Module option allows for older (nonstandard) UAS.
   - Sends same signal as standard, except no emergency status and no control information. The information will be UAS takeoff location and altitude instead. Module also needs to signal if not working properly.
   - FAA anticipates modules to cost $20-$50.
   - Visual-line-of-sight operations only.

3. FAA-Recognized Identification Areas (FRIAs)
   - Valid for 48 months and renewal/changeable.
   - Requires that the site be under the umbrella of a community-based organization or educational institute.
   - Visual-line-of-sight operations only.

Registration Requirement

- Registration will remain $5 per individual every three years.
- Standard Remote ID registration must include serial numbers of all aircraft so equipped.
- Broadcast module registration must include serial number of broadcast module.

Events

- Special events, such as air shows or other temporary events, would have a path to receive authorization from the Administrator to deviate from the Remote ID operating rules.
Homebuilt

- Recreational and educational operators can “home build” without meeting manufacturer certification standards, allowing these types of aircraft to be operated at a FRIA or under the broadcast model option.

Timeline

Each effective date begins 60 days after publication in the Federal Register (January 15, 2021).

- Person operating in the national airspace—30 months.
- Person producing a standard Remote ID UAS for operation—18 months.
- Person producing a Remote ID broadcast module—immediately.
- Request FRIA status—18 months.

Important changes to note from the proposed rule to the final rule

<table>
<thead>
<tr>
<th>Proposed Rule</th>
<th>Final Rule</th>
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<tbody>
<tr>
<td>Internet connectivity required</td>
<td>Broadcast only, no internet needed</td>
</tr>
<tr>
<td>Paid monthly subscription to UAS service supplier</td>
<td>Requirement removed along with removal of internet requirement</td>
</tr>
<tr>
<td>FRIAs could only be requested in first year</td>
<td>FRIAs can be requested or changed indefinitely</td>
</tr>
<tr>
<td>Per-aircraft registration</td>
<td>Per-individual registration</td>
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<tr>
<td>Special events not addressed</td>
<td>Pathway for special events to deviate from Remote ID rules</td>
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<tr>
<td>Included a 400-foot range limit</td>
<td>400-foot range limit removed</td>
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<tr>
<td>High cost associated with compliance</td>
<td>Cost decreased by 60%</td>
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<tr>
<td>Amateur-built aircraft included a 50% build/fabrication requirement</td>
<td>Build percentage requirement removed and “home-build” was added with no requirement to meet manufacturer certification standards for recreational or educational use</td>
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