



## 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 (December 28, 2020).

Person producing a standard Remote ID UAS for operation—18 months.

Person producing a Remote ID broadcast module—immediately.

Person operating in the national airspace—30 months.

Request FRIA status—18 months.

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

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