

# First Look: Final Rule on Remote ID of Unmanned Aircraft

29 December, 2020

## Three Ways to Comply:

1.	L. 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.	Broadc	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)		cognized 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		
Registra	ation Re	equirement		
П	<ul><li>Registration will remain \$5 per individual every three years.</li><li>Standard Remote ID registration must include serial numbers of all aircraft so equipped.</li></ul>			
П				
П	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		
	authori	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	Requirement removed along with removal of internet
supplier	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 percentage requirement removed and "home-build"
build/fabrication requirement	was added with no requirement to meet manufacturer
	certification standards for recreational or educational use