



Federal Aviation
Administration



Remote Identification Brief for North Texas

August 29, 2023



Remote Identification Brief for North Texas Agenda



- Rule Overview
- Rule Schedule
- Operational Compliance
- Uses of Remote Identification Data in the Field

The Remote Identification of Unmanned Aircraft Final Rule is the next incremental step towards further integration of unmanned aircraft (UA) in the National Airspace System.

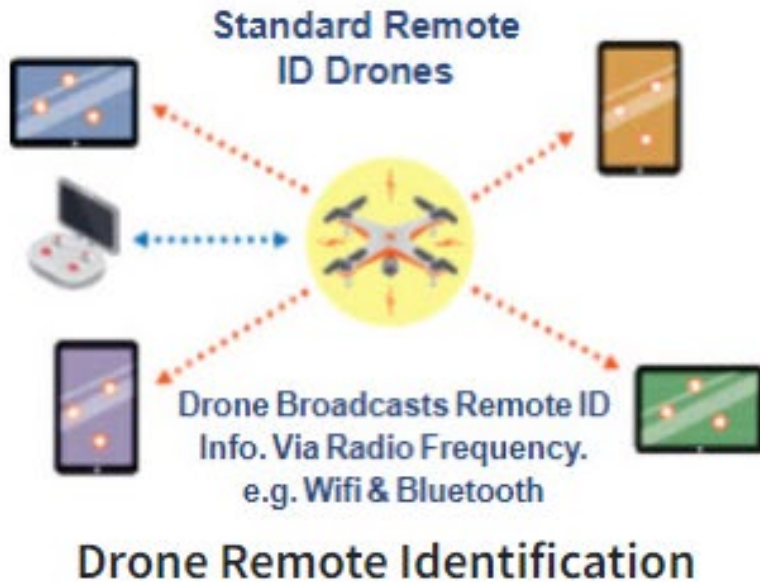
In its most basic form, remote identification (ID) can be described as a digital license plate for drones.

Remote ID is necessary to address aviation safety and security issues regarding UA operations in the National Airspace System and is an essential building block toward safely allowing more complex UA operations.

If you are required to register your drone, you need to comply with remote ID!

Final Rule posting on FAA.gov	December 28, 2020
Final Rule Published in Federal Register	January 15, 2021
Final Rule Effective Date	April 21, 2021
UAS Manufacturing/Production Compliance Date	September 16, 2022
FAA Begins Accepting FRIA Applications	October 23, 2022
Operational Compliance Date	September 16, 2023

3 Ways Drone Pilots Can Meet Remote ID Rule



Operational Compliance with a Standard Remote ID Drone

Requires drones to broadcast message elements locally over radio frequency

Broadcast remote ID message elements include:

- Unique ID (remote ID-complaint serial or session ID)
- **Control Station** location and altitude
- Drone location, altitude, and velocity
- Time mark
- Emergency Status

No associated operational limitations other than the operating rules that apply to the specific operation



Operational Compliance with a Remote ID Broadcast Module

Option for home-built drones and drone fleet made before Remote ID manufacturing compliance date

Broadcast remote ID message elements include:

- Unique ID (remote ID-complaint serial)
- **Take-off location** and altitude
- Drone location, altitude, and velocity
- Time mark

Operation must be Visual Line of Sight (VLOS)



Operational Compliance in a FAA-Recognized Identification Areas (FRIA)



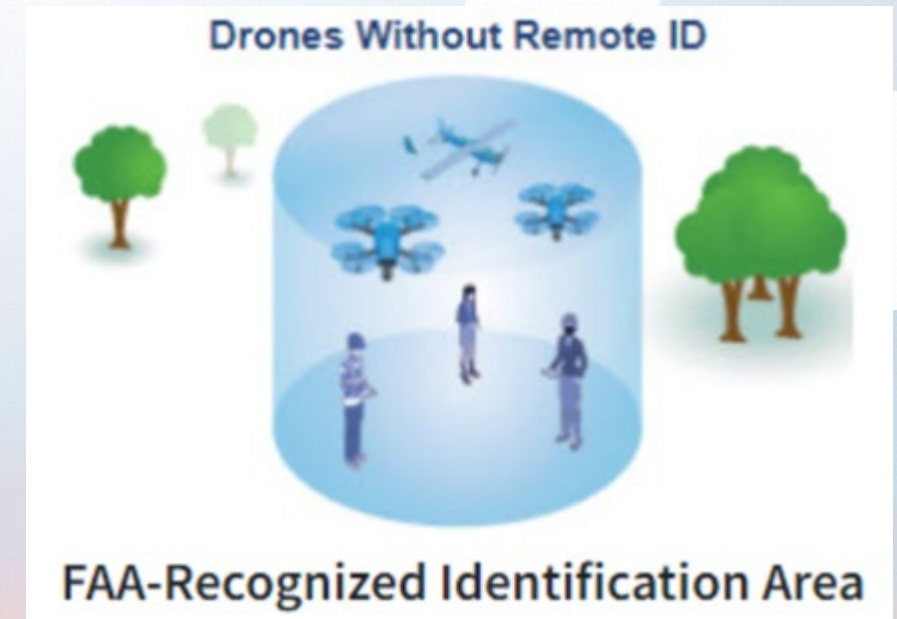
FRIAs are locations where drones can operate without Remote ID equipment

Only FAA-recognized community-based organizations (CBOs) and educational institutions are eligible to apply for a FRIA through FAADroneZone

FRIAs expire after 48 calendar months, unless renewed

Locations of FRIAs will be available on the UAS Data Delivery Service (UDDS) webpage:

<https://udds-faa.opendata.arcgis.com/>

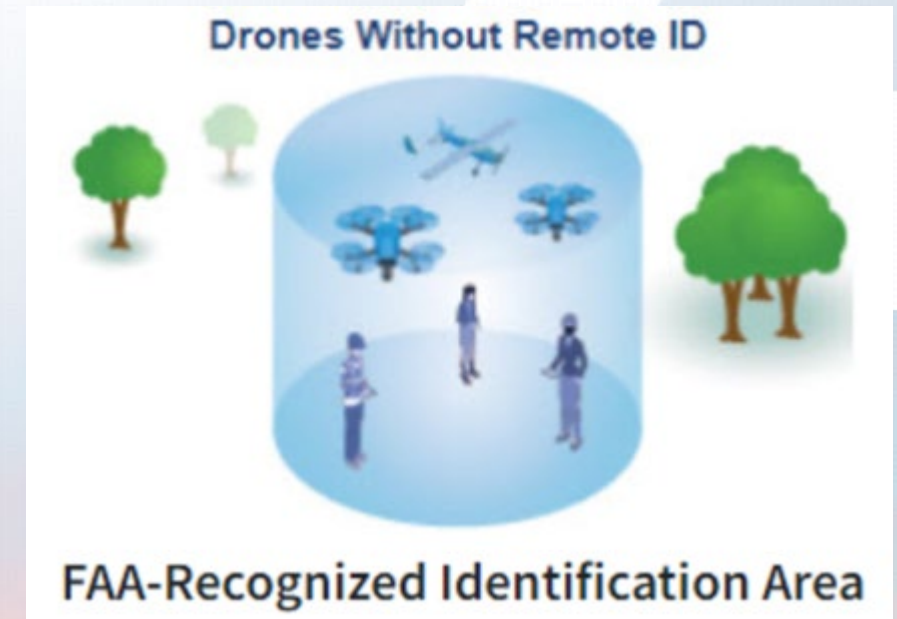


Operational Compliance in a FAA-Recognized Identification Areas (FRIA)

Flying in a FRIA without Remote ID requires both the drone and the operator to remain within the boundaries of the FRIA and the operator must maintain VLOS of the drone at all times

Drones equipped with Remote ID may operate within a FRIA, but must continue to broadcast Remote ID

FRIAs located in controlled airspace still require the drone operator to receive an airspace authorization from the FAA

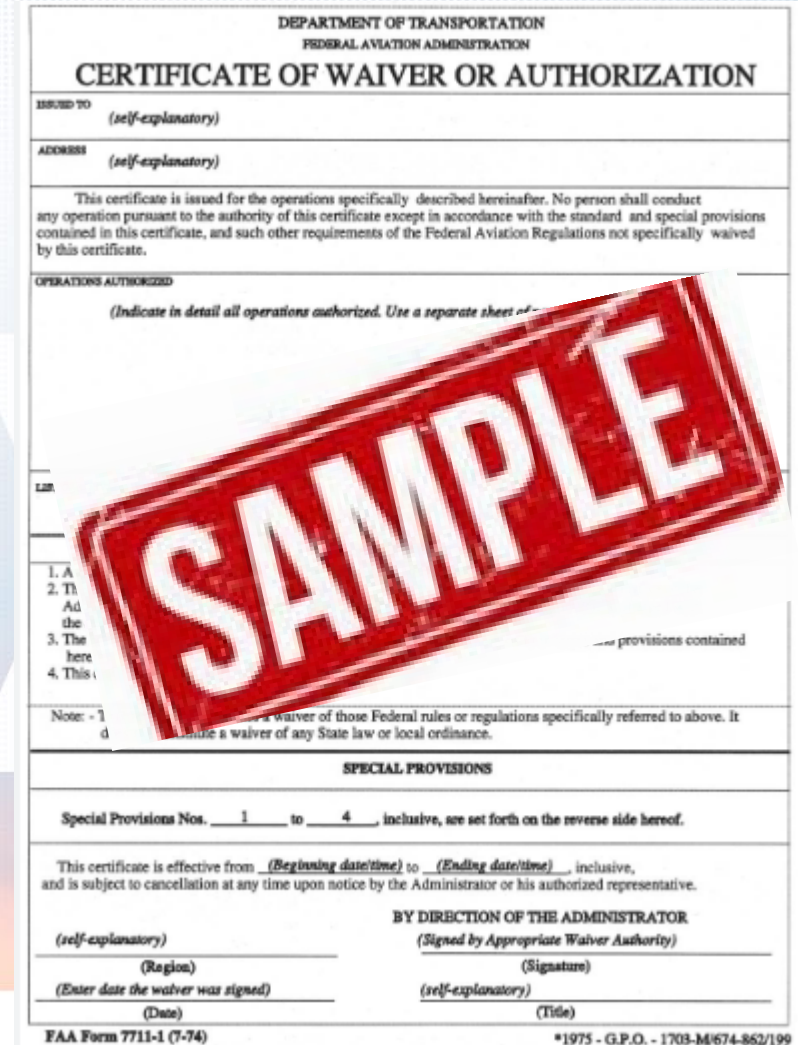


Operational Compliance with an Authorization from the FAA

Permits operations without Remote ID, subject to the conditions listed in the authorization

FAA has two separate processes for authorization requests to operate without remote ID

- For security-sensitive mission sets, contact 9-ATOR-HQ-IFOS@faa.gov
- For non-security-sensitive mission sets, contact RIDAuthorizations@faa.gov



DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
CERTIFICATE OF WAIVER OR AUTHORIZATION

ISSUED TO _____
(self-explanatory)

ADDRESS _____
(self-explanatory)

This certificate is issued for the operations specifically described hereinafter. No person shall conduct any operation pursuant to the authority of this certificate except in accordance with the standard and special provisions contained in this certificate, and such other requirements of the Federal Aviation Regulations not specifically waived by this certificate.

OPERATIONS AUTHORIZED
(Indicate in detail all operations authorized. Use a separate sheet of paper for each operation.)

1. A _____
2. Th _____
Ad _____
the _____
3. The _____
here _____
4. This _____

Note: - 1 _____
d _____

SPECIAL PROVISIONS

Special Provisions Nos. 1 to 4 , inclusive, are set forth on the reverse side hereof.

This certificate is effective from (Beginning date/time) to (Ending date/time) , inclusive, and is subject to cancellation at any time upon notice by the Administrator or his authorized representative.

(self-explanatory) _____
(Region)
(Enter date the waiver was signed) _____
(Date)

BY DIRECTION OF THE ADMINISTRATOR
(Signed by Appropriate Waiver Authority) _____
(Signature)
(self-explanatory) _____
(Title)

FAA Form 7711-1 (7-74) *1975 - G.P.O. - 1703-M/674-862/199

Q: How do I determine if my drone or broadcast module is Remote ID-compliant?

A: Go to FAA's Declaration of Compliance website: <https://uasdoc.faa.gov/listDocs>

Find your aircraft Declaration of Compliance

Search this list to ensure your unmanned aircraft (serial number) is in compliance with Part 107 Operations Over People (OOP) and/or Part 89 Remote ID (RID) regulations. Compliance with RID and OOP regulations require separate FAA-accepted declarations of compliance.

Filter by
RID

Search

Type	Tracking #	Make	Model	Series	Status	Updated	
RID	RID000000300	Skydio	2 SDRC2V1		Accepted	6.15.2023	VIEW
RID	RID000000290	Holy Stone	HSRID01		Accepted	6.13.2023	VIEW
RID	RID000000299	ELIOS 3 UAV	107000		Accepted	6.9.2023	VIEW

✓ Accepted Tracking #: RID000000300 Created: 6.8.2023

Remote ID Declaration of Compliance

Declaration For: Unmanned Aircraft

Make: Skydio Model: 2 SDRC2V1 FCC Identifier: 2ATQRSDRC2V1

Serial #(s): [View](#) [Download CSV](#)

MOC Tracking Numbers: (#RID-ASTM-F3586-22-NOA-22-01) ASTM-F3586-22 with additions

Operational Compliance FAQs (2 of 4)



Q: How do I add or update an existing registration for my Remote ID-compliant drone?

A: For most drone operators, including 107 flyers, go to FAADroneZone: <https://faadronezone.faa.gov>

A screenshot of the "PART 107 DASHBOARD". The main heading is "Part 107 Dashboard". Below it is an orange "FAA Notice" box with text about the January 15, 2021 rule. Underneath is a blue "Inventory" section with the message "You currently do not have any devices in your inventory." and a "MANAGE DEVICE INVENTORY" button.

PART 107 DASHBOARD

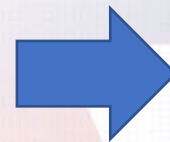
Part 107 Dashboard

FAA Notice
On January 15, 2021, the FAA published a new rule for the Remote Identification of Unmanned Aircraft Systems, including the requirement to provide a phone number, the UAS manufacturer and model, and a Remote ID broadcast modules. Read the [UAS Remote Identification Overview](#) for more information.

Inventory

You currently do not have any devices in your inventory.

[MANAGE DEVICE INVENTORY](#)

A screenshot of the "Add Device" form. It includes a question about broadcasting FAA Remote ID information, fields for Device Type (Remote ID Broadcast Module), Nickname, UAS Manufacturer (DJI), UAS Model (Mavic Pro), and Remote ID Serial Number. There are "CANCEL" and "ADD DEVICE" buttons at the bottom.

Add Device

* Indicates a required field or that a selection is required.

DOES YOUR DRONE BROADCAST **FAA REMOTE ID** INFORMATION?* YES NO

Not sure? Contact your UAS manufacturer or see if your drone is listed here: <https://uasdoc.faa.gov/listDocs>

DEVICE TYPE* Remote ID Broadcast Module

NICKNAME Enter a Nickname

UAS MANUFACTURER* DJI

UAS MODEL* Mavic Pro

REMOTE ID SERIAL NUMBER* Enter a Remote ID Serial Number

Not sure if you have a Remote ID Serial Number? Contact your Manufacturer.

[CANCEL](#) [ADD DEVICE](#)

Q: Are there any exceptions to operating with Remote ID?

A: Drones that do not require registration. This includes drones $\leq 0.55\text{lb}$ used for recreational ops.



Q: Where can I find locations of FRIAs?

A: UAS Data Delivery Service (UDDS) webpage: <https://udds-faa.opendata.arcgis.com/>



The screenshot shows the homepage of the FAA's UAS Data Delivery System. The background is a map with various colored overlays and a drone silhouette. The main heading is "Welcome to the FAA's UAS Data Delivery System". Below the heading is a search bar and a blue button labeled "Explore All Data".

Welcome to the FAA's UAS Data Delivery System

Explore All Data

The FAA UAS Data Delivery Service is an FAA-enabled web service that makes data available in CSV, JSON, KML, Shapefile formats to meet the needs of developers and other stakeholders. The description and terms of use for each data set that is available here can be found on the individual page specific to that data. The FAA is dedicated to providing the public with data to spur innovation, provide better opportunities for the development of new applications and services, and ultimately, advance the safety and efficiency of the aviation industry.

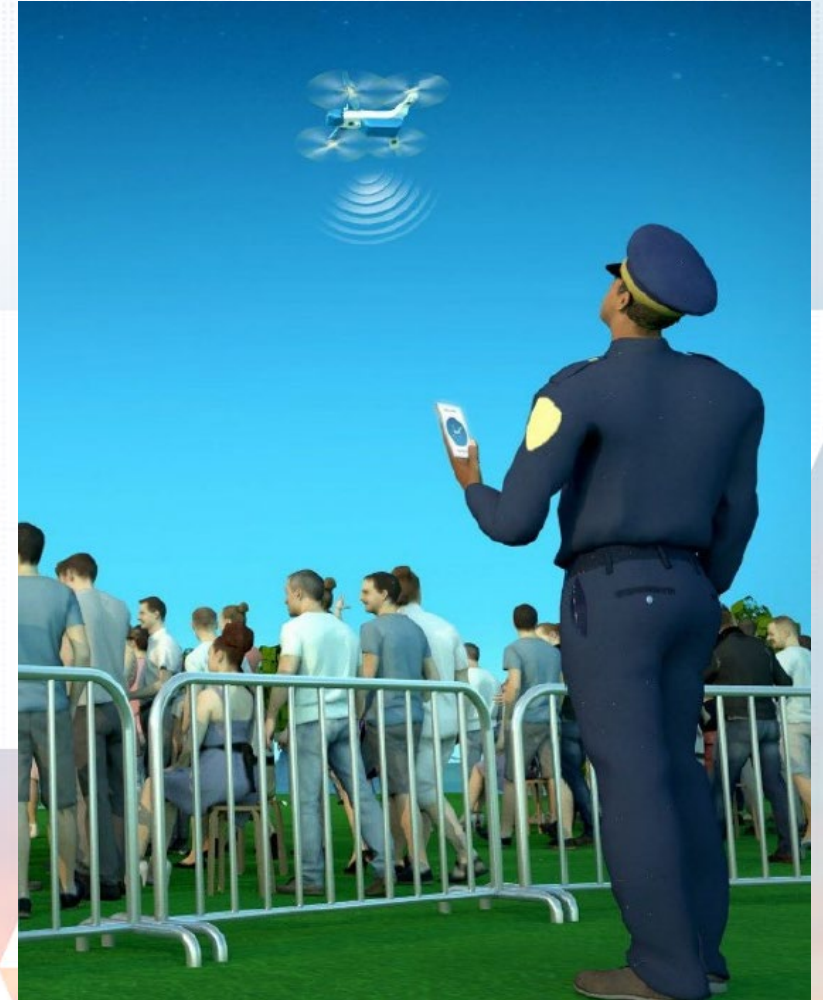
If you represent a U.S. Federal national security or intelligence agency and you are interested in seeking UAS-specific national security flight restrictions at a Federal facility, please e-mail UASHelp@faa.gov or call 844-FLY-MYUA.

Uses of Remote Identification Data – Locating the Operator

Anyone can receive broadcast remote ID data assuming they have a tool or solution with the appropriate range to pickup the signal

The control station location or drone's take-off location included in a broadcast Remote ID message can be leveraged to locate the operator of a drone of interest

FAA does not have plans to develop tools, physical infrastructure, or other solutions to stakeholders outside the FAA for receiving broadcast remote ID data



While anyone can receive broadcast remote ID data, federal, state, local, tribal, and territorial (FSLTT) authorities may be able to correlate that data to FAA-held data, such as registration.

The unique identifier (e.g., remote ID-compliant serial) from the broadcast remote ID message is necessary for executing data correlation functions

Data correlation may be envisioned by FSLTT authorities if unsuccessful in locating the operator of a drone of interest from broadcast remote ID data.

FSLTT authorities should leverage their dedicated LEAP agent for support with correlating broadcast remote ID data to FAA-held data

FAA is looking into streamlined data correlation solutions for FSLTT authorities that would limit interactions with a LEAP agent and allow quick receipt of FAA-held data to support an investigation

https://www.faa.gov/uas/getting_started/remote_id/

https://www.faa.gov/uas/getting_started/remote_id/fria

https://www.faa.gov/about/office_org/headquarters_offices/ash/ash_programs/investigations/leap

For questions about operations contact the UAS Support Desk:
UAShelp@faa.gov or 844-FLYMYUA

