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EXPLAINING AND UNDERSTANDING REMOTE ID

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WHAT IS REMOTE ID?

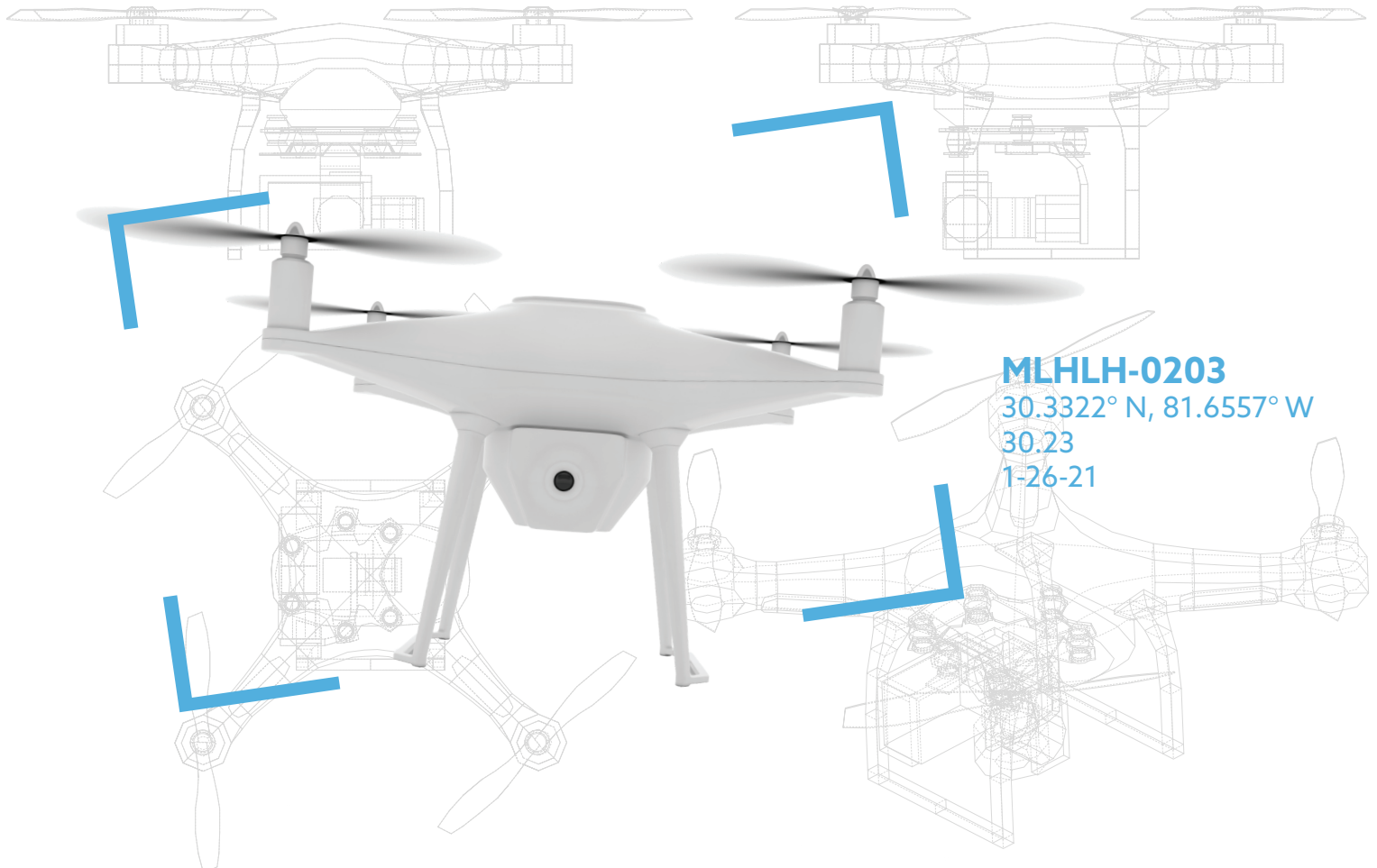
Remote ID is the ability of a drone in flight to provide identification and location information that can be received by other parties.

WHY DO WE NEED REMOTE ID?

Remote ID helps the FAA, law enforcement, and other federal agencies find the control station when a drone appears to be flying in an unsafe manner or where it is not allowed to fly. Remote ID also lays the foundation of the safety and security groundwork needed for more complex drone operations.

FINAL RULE ON REMOTE ID:

The final rule on remote ID will require most drones operating in US airspace to have remote ID capability. Remote ID will provide information about drones in flight, such as the identity, location, and altitude of the drone and its control station or take-off location. Authorized individuals from public safety organizations may request identity of the drone's owner from the FAA.



HOW TO COMPLY WITH THE NEW REMOTE ID RULE:

There are three ways drone pilots will be able to meet identification requirements of the remote ID rule:

- Operate a Standard Remote ID Drone that broadcasts identification and location information about the drone and its control station. A Standard Remote ID Drone is one that is produced with built-in remote ID broadcast capability in accordance with the remote ID rule's requirements.
- Operate a drone with a remote ID broadcast module. A broadcast module is a device that broadcasts identification and location information about the drone and its take-off location in accordance with the remote ID rule's requirements. The broadcast module can be added to a drone to retrofit it with remote ID capability. People operating a drone with a remote ID broadcast module must be able to see their drone at all times during flight.
- Operate (without remote ID equipment) at FAA-recognized identification areas (FRIAs) sponsored by community-based organizations or educational institutions. FRIAs are the only locations unmanned aircraft (drones and radio-controlled airplanes) may operate without broadcasting remote ID message elements.

HOW CAN I ENSURE I AM COMPLYING WITH THE REMOTE ID REQUIREMENT?

- The compliance date for manufacturers is 18 months after the rule's effective date.
- The compliance date for operators is 30 months after the rule's effective date.
- Recreational drone pilots may continue to register once and apply that unique registration number to multiple aircraft. During registration, they have to list the serial number of any Standard Remote ID unmanned aircraft (including drones and model aircraft) they register. If they use a remote ID broadcast module, the module's serial number must be listed on their registration, which will permit them to move the module from unmanned aircraft to unmanned aircraft so long as the unmanned aircraft are on the same registration number.

WHAT INFORMATION WILL BE BROADCAST?

Whether using a Standard Remote ID Drone or a remote ID broadcast module, the message elements must be broadcast from take-off to shutdown. A Standard Remote ID Drone or a drone with a remote ID broadcast module must transmit the following message elements:

- A unique identifier for the drone;
- The drone's latitude, longitude, geometric altitude, and velocity;
- An indication of the latitude, longitude, and geometric altitude of control station (standard) or take-off location (broadcast module);
- A time mark; and
- Emergency status (Standard Remote ID Drone only)

WHO IS AUVSI?

The Association for Unmanned Vehicle Systems International, the world's largest nonprofit organization dedicated to the advancement of unmanned systems and robotics, represents corporations and professionals from more than 60 countries involved in industry, government and academia. AUVSI members work in the defense, civil and commercial markets.

We are recognized by government officials, regulators and the media as the voice for the unmanned and automated systems industry. Our members and staff represent the community in congressional hearings, participate in coalitions and rulemaking committees, and collaborate with key trade associations and stakeholders to serve the industry.

To learn more, visit [**auvsi.org/our-impact**](https://auvsi.org/our-impact).

