



Alabama Association of Rescue Squads Unmanned Aircraft Systems (UAS) UAS System Loan Application.

AARS is pleased to announce support for UAS programs within AARS member rescue squads. To be eligible for one of the systems, a rescue squad must meet the requirements outlined in this document, fill out the application form, and submit before March 1, 2022.

The systems provided are a mix of Autel Evo II Dual and DJI Enterprise Dual Aircraft. Please state your preference in your application narrative. There are 5 systems available. They will be awarded throughout the state with two going to north, 1 to central, and 2 to south Alabama rescue squads. Preferences will be awarded on first submitted basis.

These systems will remain property of AARS and may be reclaimed by AARS at any time. Reasons may include, but are not limited to:

Non-compliance with terms of agreement

Lack of ongoing training

Loss of Part 107 Certification

Lack of care for system.

Lack of compliance with Applicable FAA regulations.

General Requirements and Responsibilities

Operating a UAS system requires training and strict adherence to operational and safety protocols. As such, agencies that receive these systems will be held to a higher standard of accountability and reporting. Before completing this application, be sure that you can meet the general requirements listed below.

Agency Prerequisites

The following prerequisites must be met before an agency can be considered for eligibility for UAS system placement.

1. Agency must have at minimum 1 Part 107 certified pilot. Copies of Certificates and currency will be required with application.
2. Agency pilot must be a current member of AARS.
3. Agency must agree to training at least two members as Visual Observers within 3 months of receiving UAS system.
4. Agency must provide copy of Standard Operating Procedures (SOPs) as they specifically relate to UAS operations. SOPs must be officially documented as part of agencies general SOPs. (A generic SOP is attached and can be modified as need for agency)
5. Agency must provide within 30 days of receiving Aircraft, proof of insurance as it relates to UAS systems. This will include comprehensive and liability. (most UAS operations maintain 2,000,000 in liability)
6. Agency must complete and submit application before March 1, 2022.

Ongoing Requirements

As the UAS system is a complex and sophisticated tool, ongoing training and skills development will be an ongoing requirement for awarded agencies.

1. Agency will be required to submit bi-annual UAS usage reports. (See attached UAS Log). This will help AARS assess usage and apply for future UAS grants. Agencies that receive systems will be set up in Airdata (Courtesy of UAS ISAO) for reporting. Details will be given upon award of system.
2. Agency must attend at least one AARS sponsored UAS training event annually.
3. Agency must participate in at least one local UAS exercise annually.
4. Agency will report any other UAS training to AARS UAS committee.
5. Agency will be required to participate as much as feasible in regional UAS operations.

FAA Requirements and Responsibilities

FAA CFR part 107 rules and regulations will be strictly followed by awarded agencies. Failure to do so could result in:

1. Non-compliance will forfeit UAS system.
2. Exclusion from future awards
3. Criminal prosecution.

Please see <https://www.ecfr.gov/current/title-14/chapter-I/subchapter-F/part-107> for a complete listing of the rule and associated regulations.

Accident Reporting

All accidents that require repairs to the aircraft must be reported to AARS UAS committee within 48 hours of event. Any accident that requires reporting to FAA must be reported to UAS committee within 24 hours of event. (See CFR 14 Part 107 Accident reporting for FAA requirements)

1. Agencies that receive systems will also be responsible for any repairs needed due to accidents, loss, or wear.
2. All accidents must be reported to AARS UAS committee within 48 of event. (accident report form is attached)
3. Accidents that meet FAA reporting requirements must be reported. Failure to do so will result in forfeiture of UAS system.
4. Awarded agencies will be responsible for repairs to UAS system. This includes props, batteries, shipping, and associated costs.
5. The AARS UAS committee reserves the right to investigate any accident. Agencies will be notified of intent to investigate.

UAS Modifications

The awarded UAS systems may not be altered in any way, or have additional hardware added. The UAS will not be used to carry any item other than camera payload that it comes with. Using the UAS to transport, carry, or deliver any item can result in forfeiture of UAS system.

Filling out the Application

Contact Info

List the organization full legal name and address.

Leadership should be the ranking responsible individual and their position within agency

Mailing address for responsible party if different from agency address.

Pilot In Command

List up to 4 individuals and their current Part 107 certificate numbers. Attach copies of each certificate to application. Only one is required for eligibility

Visual Observer (optional)

If you have trained observers, please list. Copy of training certificate is required for each one listed. If you have multiple part 107 pilots, you may list them as observers as well as pilots.

UAS Program (This does not affect your eligibility for UAS award)

If you currently have a UAS program, please list up to three UAS by make and model.

If they are owned by the agency, mark with Yes.

If they are owned by agency member who has an MOU with agency to use the UAS, mark MOU as yes.

Please provide your last year missions and numbers overview. Include official training flights.

Please list the aircraft that your pilot/s has the most experience with. (DJI, Autel, Parrot, etc.)

In Statement, please begin with “we would like to apply for one of the “DJI” or “Autel” systems.

If you have no preference, please state. We cannot guarantee that if awarded, you will get your preference as we have only a limited number of each and only 5 systems will be awarded in the state,

Please use page 2 to add to your narrative as needed. In the narrative, please present your vision for your program.

Please attach a copy of your SOPs (UAS specific) The SOP must be officially on record with your agency.

Attach copies of each Part 107 pilot certificate listed in Pilot In Command section.

Signed by Responsible party listed in Contact Info section.

Submit digitally by March 1 2022

Public Relations

After receiving this award, your agency will be expected to participate in as many AARS UAS events as feasible. You will also be asked to provide imagery and video for publication within AARS and Alabama Association of RC&D Councils and provide occasional PR “moments”

You will also be encouraged to provide support to surrounding agencies and rescue squads.