



U.S. Department of Transportation
Federal Aviation Administration

Unmanned Aircraft System (UAS) Maintenance Report

Equipment Degradations, Malfunctions, or Failures

User Guide

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Introduction to the Unmanned Aircraft System (UAS) Maintenance Report

The UAS Maintenance Actions Monthly Report is the means for the UAS Integration Office and other Federal Aviation Administration (FAA) offices with the responsibility of safely integrating UAS into the National Airspace System (NAS) to gather summary UAS corrective maintenance data. The data is correlated to operational flight data and accident/incident/occurrence/anomaly data to identify trends related to UAS durability and reliability. The data will assist with setting performance standards and informing future rulemaking.

The form also complies with Part 107 waivers that include a requirement to submit a monthly report of equipment degradations, malfunctions, or failures to the Administrator at 9-afs-820-Part107Reports@faa.gov. Upon submission of this form, the UAS Integration Office generates the output report required by the Flight Standards Office.

Under 14 CFR Part 135.415, Part 135 operators must submit Service Difficulty Reports (FAA Form 8070-1). Participants in the Partnership for Safety Program (PSP) and BEYOND program operating under Part 135 submit Service Difficulty Reports in lieu of this UAS Maintenance Report.

Populate the UAS Maintenance Report Form

Identifying Information

1. Participant Name. Provide the name of the Participant (PSP) or Lead Participant (BEYOND).
2. Company Name/Operator (optional). The participant may choose to document the company name or operator for their own recordkeeping purposes. This information will not be captured or used by the FAA.
3. Month. Select the month in which the maintenance occurred.
4. Year. Select the year in which the maintenance occurred.
5. Time Zone Used to Record Times. Indicate whether the time in the table below is local time or coordinated universal time (UTC) time.

Maintenance Summary

1. Date. Enter the date of the equipment degradation, malfunction, or failure.
2. Time. Enter the time of the equipment degradation, malfunction, or failure. If using a 12-hour clock, include am or pm to designate a morning or afternoon flight.
3. Aircraft Registration Number or Nickname. Provide the unique identifier of the aircraft that experienced some type of equipment degradation, malfunction, or failure. Depending on the weight of the aircraft and when the aircraft was registered, the unique identifier may be the nickname assigned to the aircraft when registering it in DroneZone or it may be the registration number assigned to the aircraft when registering it using AC Form 8050-1.
4. Description of Equipment Degradation / Malfunction / Failure. Provide a brief description of the component that failed, how it failed, and what caused it to fail (if known).
5. Subsystem Type. From the drop-down box, select the type of subsystem (avionics, communication, etc.).
6. Time in Service (hours). Enter the number of hours that the aircraft has been in service (total flight time).
7. Maintenance Action. Provide a brief description of the repair and/or replace actions required to return the aircraft to service. Identify the components repaired or replaced.

Appendix A: Acronyms

| Acronym | Term |
|---------|---------------------------------|
| FAA | Federal Aviation Administration |
| NAS | National Airspace System |
| PSP | Partnership for Safety Program |
| UA | Unmanned Aircraft |
| UAS | Unmanned Aircraft System |
| UTC | Coordinated Universal Time |