

# UAS Range Safety Officer

LaRC NASA Langley Uninhabited Aerial Systems Operations Office (UASOO)

## Overview/Objective:

The Uninhabited Aerial Systems Operations Office (UASOO) has an immediate need for Range Safety Officers (RSO) to support ground and Uninhabited Aerial Systems (UAS) flight testing on NASA Langley's City Environment Range Testing for Autonomous Integrated Navigation (CERTAIN) Range. NASA Langley's researchers are pursuing advances in technologies and new concepts for autonomous and remotely piloted systems for uninhabited vehicle applications. These autonomous systems, with an increasing reliance on embedded electronics and software, present a new challenge in certification of those systems for operation in the National Airspace (NAS) and require safety oversight. Range Safety Officers (RSOs) are needed to oversee the test and evaluation of UAS flight operations in the National Airspace.

## Position Summary

The UAS RSO will serve as a key contributor within the Langley Research Center (LaRC) Uninhabited Aerial Systems Operations Office (UASOO) providing UAS operations support for test and routine missions/flights both on-site and off-site. This role is responsible to protect the public, the workforce, and property during range flight operations such as launching, flying, landing, and testing launch/flight UAS vehicles. This goal applies to all centers and test facilities and all NASA vehicle programs but is focused on UAS. **This is a part time position** and the role requires a flexible schedule.

The compensation range for this position is \$50/hour to \$75/hour, commensurate with education and experience.

The position is only available to US citizens due to the nature of the work, clearance level, and Government base on-site requirements.

## Responsibilities

**Range Safety Officer:** The contractor shall provide Range Safety oversight for Uninhabited Aerial Systems (UAS) flight operations both at Langley and at off-site facilities.

1. Provide Visual Observer support for UAS flight operations
2. Provide logistical support for Langley owned and sponsored UAS flight activities
3. Document flight activity in the Range Safety Commit Criteria Checklist
4. The officer shall participate in and contribute to Hazard Working Groups, Air Worthiness Reviews, Operational Readiness Reviews, and develop Mishap Preparedness and Contingency Plans

In addition to the primary duties described above, the contractor shall provide the following support:

- Participate in weekly UASOO branch head meetings, quarterly UAS working group meetings.
- Work on-site at NASA LaRC unless approved otherwise by the Technical Point of Contact (TPOC).

## Skills & Requirements

Education, Certifications, and Experience:

- **U.S. citizenship eligible for a security clearance**
- Minimum Bachelor of Science in Aerospace Engineering with demonstrated experience or equivalent
- Ability to obtain and maintain certifications and security clearances
- Familiarity with UAS operations, including autonomous and remote piloted vehicles
- Knowledgeable in airspace operations, terminology, and processes
- Comfortable working with and learning new UAS flight technologies
- Familiarity with various review processes including hazards, air worthiness, flight readiness, and mishap investigations
- Good organization and coordination for maintaining schedules
- Proficient communications for coordination with NASA and outside Agency personnel
- Sufficient in written and verbal skills for supporting various review boards, reviews, and working groups
- Professional experience in RSO, preferably within an aeronautics, space, or Government contracting environment

Location & Travel:

The individual selected for this role must be located near NASA Langley Research Center in Hampton, Virginia with the expectation to work onsite at NASA Langley. When scheduled, he or she should plan to attend meetings in-person at this location. A flexible schedule that allows for the ability to meet demands during peak flight operation times will be necessary to be successful. Occasional travel for face-to-face meetings may be required.

## About ViGYAN

ViGYAN provides aerospace research and development services to the NASA Langley Research Center (LaRC) as well as other aeronautics R&D; wind energy R&D; scientific, engineering, and business software development; engineering program management, planning, scheduling, and cost estimation; and computer technology support.

Benefits offered include health care, dental, vision, life insurance; 401(k); education assistance; paid time off including PTO, holidays, and any other paid leave required by law.

### ***EEO Statement***

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