



## Position Vacancy Announcement

### *Telemetry System Operator*

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***Aurora Launch Services has an immediate requirement for a highly experienced and motivated individual to fill the position of***

#### ***Telemetry System Operator***

**Aurora Launch Services (ALS):** Aurora Launch Services is a wholly-owned subsidiary of Alaska Aerospace, established to provide low cost, highly reliable launch services on a contract basis to both government and commercial space launch customers worldwide. The company is headquartered in Anchorage, Alaska, co-located with Alaska Aerospace.

**Position Description:** Under the direction of the Aurora Launch Services Director of Range Operations, the Telemetry System Operator (TSO) is responsible for the design, implementation, testing and operation of telemetry systems for collection of launch vehicle data during ground testing and flight. With demonstrated capability in telemetry systems, tracking, configuration, and analysis, TSO provides telemetry systems support for both commercial and government customers.

The TSO supports monitoring of all received telemetry for vehicle tracking data. In addition, the TSO performs all functional check out of the antenna subsystems, calibration, performing Bit Error Rate (BER) tests and G/T tests to ensure the antenna subsystem is working properly, setting up the tracking plan/procedures, performing configuration of the telemetry receivers, combiners, demodulators, bit syncs and decommutators.

#### **Responsibilities:**

The TSO is responsible for operating the antennas which track the launch vehicle (LV) or missile in flight and capturing the RF signals radiating from the LV. The TSO has access and control of instrumentation resident at the TSO Station such as the Antenna Control Units (ACUs) and antenna tracking controls for utilization in performing their responsibilities. The TSO monitors all received telemetry and system status.

This technician performs a variety of electronics and communications duties associated with the installation, operation, maintenance and upgrade of computers and related equipment which support rocket launches.

Primary job functions include:

- Perform all telemetry requirements during launch operations.
- Develop and initiate the selection, procurement, installation, and acceptance of telemetry instrumentation and equipment necessary to meet customer requirements during launch operations.
- Provide expert advice and guidance on products and services offered by Aurora Launch Services as related to customer requirements.
- Translate customer requirements into innovative, integrated, workable solutions; ensuring that technology applications in use and/or being proposed meet operational requirements.
- Participate in preparation of responses to customer's Requests for Proposals, Requests for Information, and mission plans.

Development and training of Aurora Launch Services personnel to support customer telemetry requirements is an integral part of the job. The position requires interpersonal skills needed to work with a diverse team of employees, contractors, and customer personnel. This is a multi-disciplinary position requiring hands-on experience and tasking.

This is a Part-Time position with varying work schedules depending on the location and duration of customer launch campaigns. Extensive travel and working at spaceports worldwide can be expected.

### **Required:**

- Must possess a High School diploma or equivalent degree.
- Minimum of five years' experience in telemetry or a related field.
- Knowledge of RF/telemetry software and hardware.
- Knowledge of lab test equipment (Oscilloscope, Spectrum Analyzer, Frequency Analyzer, etc.).
- Proven capabilities to conceptualize, design, implement, and test field antenna telemetry systems, or similarly complex systems.
- Ability to work with multidisciplinary teams, including antenna, RF Electronics, hardware, mechanical, and software engineers.
- Excellent interpersonal, communications, public speaking, and presentation skills.
- Experience working with federal government agencies and private sector companies within the aerospace/aviation industry.
- Willing and able to work extended hours, overtime, and on weekends, as required.
- Well-developed time management skills.

*Aurora Launch Services, 4300 "B" Street, Suite 101, Anchorage, AK 99503*

- Must be able to obtain and maintain a U.S. Security Clearance at the appropriate level (requires U.S. Citizenship):

## **Other Desirable Qualifications**

Past working experience in the aerospace industry, with a preference towards experience in the space oriented industry; such as spaceport operations, space systems operations, or launch vehicle development/operations.

**Qualifications:** Qualifications for personnel to perform as a TSO shall include:

a. Successful completion of knowledge-based training (self-study or classroom) as directed by the Director of Range Operations.

b. Successful completion of instructor-led, hands-on training on how to perform the TSO function followed by satisfactory on-the-job performance as a trainee, as applicable.

## **Equal Employment Opportunity Statement**

It is the policy of Aurora Launch Services to provide equal employment opportunity to all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

## **Compensation**

A competitive salary and benefits package, determined upon experience level of individual, will be negotiated after an offer to hire has been given.

## **To Apply**

Please send a cover letter and resume to John Cramer, President, Aurora Launch Services, 4300 "B" Street, Suite 101, Anchorage, AK 99503. This position will remain open until filled.