



Washington Metrorail Safety Commission (WMSC) currently has an opening for a full time **Program Manager, Train Control & Signals**.

The WMSC is the designated State Safety Oversight Agency (SSOA) responsible for overseeing the safety of the Washington Metropolitan Area Transit Authority (WMATA) Metrorail system, which operates rail transit in Maryland, DC and Virginia. The WMSC is responsible for implementing a program in compliance with Federal and other applicable regulations.

### **Position Overview**

This role will lead WMSC state safety oversight activities as it pertains to safety of the train control & signals at WMATA Metrorail. The selected candidate must have sufficient knowledge of rail and other transportation modal industry best practices and benchmarks to monitor and evaluate the changes recommended or underway at the WMATA Metrorail system effectively and collaboratively.

The selected candidate will ensure a commitment to effective safety oversight program administration through collaboration and the establishment of working relationships with both internal WMSC personnel, WMSC contractors, and WMATA personnel. The WMSC is comprised of skilled and qualified professionals who promote rail safety through varied educational and cumulative work expertise.

This position will report to the WMSC Deputy Chief Executive Officer/Chief Operating Officer.

### **Responsibilities**

- Carry out and appropriately scale the WMSC's needed safety oversight directed at the WMATA train control and signal system. This includes oversight of the system's performance, inspection, maintenance, and the organizational structure and readiness of personnel within various departments at WMATA Metrorail to carry out all of the complex activities to ensure the necessary safe function of Metrorail's train control and signals system.
- Use expertise, education, and experience in train control & signals to assist the WMSC in investigations, audits, risk-based inspections, and overseeing the implementation and effectiveness of Metrorail corrective action plans.
- Review complex engineering documents pertaining to train control and signals including drawings, test plans, and specifications.
- Prepare and present technical reports and documentation to various audiences with varying degrees of technical knowledge of train control and signals.

### **Qualifications**

Minimum of 3 years of progressive work experience and understanding of areas such as:

- Train control system design, construction, testing, and commissioning
- Train control system maintenance in rail and transit operation
- Design standards and safety regulations
- Basic understanding of other subsystems such as communications, supervisory control/ SCADA, traction power, tunnel ventilation, on-board and auxiliary electrical systems
- Intermediate understanding of on-board/wayside interface



- Intermediate understanding of train control technologies such as Automatic Train Control (ATC), Positive Train Control (PTC), and Communications-Based Train Control (CBTC) Systems.

### **Education**

Bachelor's Degree in electrical engineering, systems engineering, or other related engineering degree.

PE License desirable.

Membership with active participation in professional organizations is desirable.

### **Key Qualifications, skills and abilities:**

- Excellent English-language written and verbal communication skills
- Ability to work in a team environment comprised of individuals from diverse cultures and geographies
- Ability to observe, receive, and otherwise obtain relevant information regardless of information source
- Use of logic and reasoning to identify the strength and weaknesses of alternative solutions, conclusions, or approaches to problems
- Ability and enthusiasm to acquire needed knowledge to perform duties
- Ability to manage multiple priorities to meet deadlines and commitments
- Ability to manage projects to fruition, on time
- Ability to take direction and constructive criticism from supervisor and management
- Ability to conduct all aspects of the position, consistently
- Ability to be a team player who assists the WMSC in fulfilling its overall safety mandate
- Ability to adhere to strong professional ethics
- Ability to independently carry out duties following direction by supervisor/management and recognize any related duties on own initiative
- Ability to use common software for preparing work products such as presentations, reports, graphs, tables, and for ensuring proper record retention
- Ability to effectively use the internet and other collaboration software to perform assigned work

### **Certification**

Successful candidate will be required to complete all courses of the Public Transportation Safety Certification Training Program (PTSCTP) within 3 years of joining the WMSC.

### **Physical Requirements**

WMSC work may take place at any time of day as warranted. Work may take place on or about WMATA property where WMSC personnel must be alert at all times for the approach of trains or rolling equipment, slips/trips/fall hazards, and hazardous materials. WMSC personnel must also take precautions with electrical hazards associated with revenue and non-revenue vehicles and equipment, the electrified third rail, and other hazards throughout the Metrorail system. WMSC personnel may be exposed to unfavorable weather conditions, including temperature extremes and precipitation, and other environmental discomforts such as insects and vegetation.

Personal protective equipment (PPE) will be required for specific job functions and will be provided by the WMSC.



### **Additional Requirements**

Absent an approved exemption, this position may require an individual to be fully vaccinated by an FDA-approved or authorized COVID-19 vaccine upon hire as a condition of continued employment.

### **Work location**

Open to remote work. Relocation Available.

WMSC may need *Program Manager, Train Control & Signals* to travel to WMATA Metrorail for some investigations, audits and urgent inspections.

WMSC may require travel for training and workshops, however these typically require minimal travel.

Travel to the WMATA Metrorail service area & for professional development: approximately 15%.

Travel expenses will be reimbursed, within all applicable regulatory requirements.

### **WMSC offers a robust compensation and benefit package**

*All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran.*

Office Location: 750 First Street NE, #900, Washington, DC 20002

Apply by visiting the WMSC employment opportunities page at [Employment Opportunities – Washington Metrorail Safety Commission \(wmsc.gov\)](#) and sending your cover letter with salary requirements and resume to [hr@wmsc.gov](mailto:hr@wmsc.gov).