



DMU ENGINEER

JC: 000156
PG: 651
FLSA: Non-Exempt

BU: 10 (ATU)
Created: February 2017
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Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.

DEFINITION

Under general supervision, safely operates revenue and non-revenue Diesel Multiple Unit (DMU) vehicles and equipment including acceleration, braking, door control, communications, inspections, performance and troubleshooting diagnostics within strict compliance with state regulations and rules, policies and procedures; follows all written and verbal communication from the Operations Control Center (OCC); visually identifies, acknowledges and responds to common railroad control signage and signal systems to safely operate the trains; assist in incidental cleaning duties of the consist, switching, train makeup and incidental passenger assistance at stations and on board, as necessary; performs additional duties as required.

CLASS CHARACTERISTICS

This is a full journey level classification responsible for the operation of all DMU revenue and non-revenue rail vehicles in accordance with established rules, regulations, policies and procedures and compliance with Federal and State regulations and inspection and DMU rail vehicle maintenance procedures. This classification differs from the Composite Vehicle Maintainer, DMU classification the latter is fully responsible for the maintenance and repair of non-revenue and revenue DMU rail vehicles.

REPORTS TO

Assistant Chief Transportation Officer, Rail Operations or designee.

EXAMPLE OF DUTIES: – *Duties may include, but are not limited to, the following:*

1. Operates DMU revenue and non-revenue rail vehicles in accordance within established rules, regulations, policies and procedures.
2. Transports passengers in a safe manner according to the train schedule and other service requirements.
3. Responsible for reviewing and understanding all wayside and cab signals, track warrants and bulletins.
4. Responsible for operating the train in a safe manner by applying knowledge of territory, including terrain, grades, and curves in order to promote ride quality.

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5. Responsible for inspecting DMUs before and after run for operational readiness.
6. Diagnoses malfunctions and performs minor maintenance and servicing activities.
7. Responsible for troubleshooting mechanical issues as necessary.
8. Communicates with train dispatchers, supervisors, and other personnel by radio to exchange information and receive instructions including stops, delays, oncoming trains, or other unusual conditions.
9. Responsible for all onboard customer communication.
10. Corresponds with management and customers in the event of emergencies and functions as the initial on-scene incident coordinator in the event of emergencies, and coordinates with security and emergency personnel, including BART.
11. Observes radio and hand signals in yard or in cab and operates train in accordance with railroad rules and regulations.
12. Performs train cleaning activities as necessary.
13. Responsible for yard duties such as fueling, washing, and sanding.
14. Responsible for moving revenue and non-revenue vehicles through the yard and maintenance facility as directed by dispatch or other District personnel.
15. May be required to throw switches or perform other activities involving switch operations.
16. Notifies proper authorities and prepares reports to explain unusual occurrences, accidents, or delays.

QUALIFICATIONS

Knowledge of:

- Federal Railway Administration (FRA) certified locomotive engineer
- Effective working knowledge of railway operations, terminal operations
- Operating and safety rules governing the movement of trains
- Experience in a GCOR (General Code of Operating Rules) operating environment
- Federal Railroad Administration (FRA) and Department of Transportation (DOT) Safety regulations, including hazardous material handling and storage, and disposal
- Mechanical systems involving diesel engines, electrical and pneumatic systems
- Vehicle and equipment parts, accessories, parts assemblies and terminology
- Schematics, drawings and manuals of DMU rail vehicles
- Methods, materials, tools and equipment used in servicing, diagnosis, maintenance, overhaul and repair of DMU vehicles and equipment
- Principles of diagnosis and repair of passenger rail vehicles
- Safe working practices, including techniques for safely lifting and moving heavy objects

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- Methods and techniques of dealing effectively with varied groups and individuals under both routine and emergency circumstances

Skill/Ability in:

- Interpreting and applying oral and written instructions in a consistent manner
- Interacting with individuals from various socio-economic groups, including the disabled in a tactful, calm and confident manner
- Completing forms and reports clearly and accurately
- Observing and detecting unusual, hazardous, or emergency situations and taking appropriate action within prescribed guidelines
- Communicating effectively using a two-way radio, telephone and public address system
- Troubleshooting mechanical conditions
- Performing train servicing functions including washing, fueling, sanding, and cleaning
- Maintaining a constant state of alertness and work in a safe manner
- Communicating orally in a clear, concise, articulate manner with customers and District personnel

Other Requirements:

- Must possess and maintain a valid California driver's license and have a satisfactory driving record
- Must be able to pass a pre-employment and bi-annual physical examination meeting the Class B licensing requirements established by the Department of Motor Vehicles (DMV)
- Must be able to obtain Class One (1) DMU engineer certification within the initial probationary period
- Must retain DMU engineer certification
- Must be available for on-call responsibility for vehicle maintenance related problems
- Must meet vision and color recognition requirements for signal identification and repair
- Demonstrates clear, effective oral, written and verbal communication skills in English in order to communicate through radio systems and write in daily logs
- Must be willing to work off-hours shifts, holidays and weekends

MINIMUM QUALIFICATIONS

Education:

Possession of a high school diploma, GED or recognized equivalent.

Experience:

Five (5) years verifiable experience in railroad or rail transit operations, maintenance, or related experience. Experience as a Railroad or Rail Transit Dispatcher, Train Controller, Road Foreman or Train Master preferred.

WORKING CONDITIONS

Environmental Conditions:

Railroad, stations, maintenance facility environments; exposure to physical, electrical, chemical hazards and inclement weather conditions; work is done in confined spaces around moving vehicles and equipment; exposure to dust, noises, fumes, electrical, physical and mechanical hazards.

Physical Conditions:

Ability to work in cramped overhead, confined, enclosed or awkward spaces including maintenance pits,

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equipment rooms and roof hatches, stoop, bend, crouch, crawl, balance and climb and walk long distances over uneven terrain; must be able to lift or position a twenty-five (25) pound object; ability use of hand tools to perform various equipment and vehicle maintenance activities.

BART EEO-1 Job Group: 4500 – Train Operators

Census Code: 9260 - Subway/Streetcar, Rail Transportation Worker

Safety Sensitive: Yes