

HANDLING TRAIN FAILURES**Work description:** This OCC Work Instruction details the Train Failures Handlings.**Scope:** This Work Instruction is written specifically for OCC operating staff of Honolulu Rail Transit.**References:** HNL-XXXXX Train Operator Duty Event Form, HNL-09510 Minimum Operating Conditions, HNL-09527 Fault Reporting Process**PPE and precautions**

Nil

Competencies or qualifications

Train Controller (or Yard Controller), Train Operator, OCC Supervisor, Engineering & Fault Controller,

Licenses or permits required**Tools and equipment required**

Train Key, Train Driver Bag

Fault Reporting*Refer to HNL-09527 Fault Reporting Process*

All train failures occurred on Mainline must be reported to the Train Controller at once.

All train failures occurred in the Yard must be reported to the Yard Controller at once.

The following information must be provided when reporting a train failure:

- date & time the failure is detected
- name & title of the person reporting the failure
- location of the failure along with equipment information
- failure symptom
- impact or potential impacts on safety and operations

Train Controller

- make an assessment on the train fault reported
- attempt to re-establish train functionality remotely (if possible)
- if not possible/unsuccessful, arrange a Train Operator to board the faulty train to carry out preliminary diagnosis to verify the problem
- if the train is not at the station platform, establish a safe path for the Train Operator to reach the train safely
- work closely with the Train Operator to use the TCMS/Emergency Drive Console (EDC) to verify the fault
- report the result of the preliminary diagnosis and seek the decision from the OCC Supervisor
- implement the decision from the OCC Supervisor (continue service or take the train out of service after passenger detrainment)
- record the event and actions taken on the OCC Controller Log

Train Operator

- on instruction from the Train Controller, board the faulty train
- on instruction from the Train Controller, reset the Vehicle ATC System (Microcab II) and the EB
- carry out preliminary diagnosis by operating the TCMS/EDC and work closely with the Train Controller to verify the fault
- report the result of the preliminary diagnosis to the Train Controller
- on instruction from the Train Controller, carry out manual driving, passenger detrainment or coupling
- record the event and actions taken on the Train Operator Duty Event Form

OCC Supervisor

- Based on the result of the preliminary diagnosis reported, determine if the Minimum Operating Requirements (MOR) can be met (See HNL-09510)
- if the MOR can be met, continue service
- If the MOR cannot be met, determine whether the train can be driven manually or to couple by a rescue train to the nearest station for passenger detrainment
- On completion of passenger detrainment, instruct the Train Controller to take the train out of service

Engineering & Fault Controller

- communicate with the appropriate maintenance supervisor to generate a corrective action work order
- arrange the maintenance team to carry out the remedial works preferably at the yard when the train is withdrawn from service

**Warning**

- A safe path must always be established for the train crew staff to reach the stranded train safely.
- Every effort must be made to only detrain passengers at the station platform.

Approved By:☐ Director, Operations and Maintenance☐ Department Manager☐ Manager, HSE (Operations and Maintenance)**Signature:****Date:****Document Code** YYY.YYY-Handling Train Failures.00**File Name** HNL-09416.00.00-1-Handling Train Failures**Effective Date:**

Rev No. 00

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Train Failures Handlings – General Workflow

