

HANDLING TRAIN FAILURES WORK INSTRUCTION

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-09672 Train Operator Duty Event Form, HNL-09510 Minimum Operating Conditions Work Instruction, HNL-09527 Fault Reporting Process Work Instruction

PPE and precautions	Competencies or qualifications	Licenses or permits required
Nil	Train Controller (or Yard Controller), Train Operator, OCC Supervisor, Engineering & Fault Controller	Nil

Tools and equipment required

Train Key, Train Operator Duty Bag

Fault Reporting <i>Refer to HNL-09527 Fault Reporting Process</i>	<p>All train failures occurred on Mainline must be reported to the Train Controller at once.</p> <p>All train failures occurred in the Yard must be reported to the Yard Controller at once.</p> <p>The following information must be provided when reporting a train failure:</p> <ul style="list-style-type: none"> • 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
<i>Train Controller</i>	<ul style="list-style-type: none"> • 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
<i>Train Operator</i>	<ul style="list-style-type: none"> • 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 HNL- 09672 Train Operator Duty Event Form
<i>OCC Supervisor</i>	<ul style="list-style-type: none"> • 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
<i>Engineering & Fault Controller</i>	<ul style="list-style-type: none"> • 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:	<input type="checkbox"/> Director, Operations and Maintenance	<input type="checkbox"/> Department Manager	<input type="checkbox"/> Manager, HSE (Operations and Maintenance)
Signature:			
Date:			

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Train Failures Handlings – General Workflow

