

## VEHICLE ATC (MICROCAB II) SYSTEM FAILURE

**Work description:** This work instruction describes the handling of Vehicle ATC (Microcab II) failures.

**Scope:** This work instruction is written specifically for the OCC operating staff of Honolulu Rail Transit.

**References:** HNL-09547 Manual Train Operations Work Instruction

PPE and precautions	Competencies or qualifications	Licenses or permits required
Nil	OCC Supervisor, Train Controller, Information Controller, Engineering and Fault Controller, Train Attendant, Station Attendant	Train Attendant qualified to operate the passenger train

#### Tools and equipment required

Nil

### 1. Failure of a single VATC unit

<i>Train Controller</i>	You must: inform the Engineering and Fault Controller of the failure inform the OCC Supervisor of the failure
<i>Engineering and Fault Controller</i>	You must: <ul style="list-style-type: none"> <li>inform the maintainer to arrange immediate maintenance intervention</li> </ul> keep an eye on the ATS repair progress inform the OCC Supervisor, Train Controllers and the Yard Controller about the latest VATC repair progress
<i>OCC Supervisor</i>	You must: <ul style="list-style-type: none"> <li>follow the fault rectifying progress closely</li> </ul>

© P

<b>Approved By:</b>	<input type="checkbox"/> Director, Operations and Maintenance	<input type="checkbox"/> Department Manager	<input type="checkbox"/> Manager, HSE (Operations and Maintenance)
<b>Signature:</b>			
<b>Date:</b>			

Document Code	HNL-09433 - Vehicle ATC (MicroCab II) System Failure	Effective Date:	
File Name	-e	Rev No.	Page 1 of 3

## 2. Failure of all VATC units

### Train Controller

You must:

- hold other trains at stations to prevent from bunching up near the failed train
- inform the Engineering and Fault Controller of the failure
- inform the OCC Supervisor of the failure
- send a Train Attendant to board the failed train
- ensure a safe path is established for the Train Attendant to reach the failed train if it is not berthed at station
- guide the Train Attendant, once onboard the train, to reset the EB and the VATC (Microcab II) units
- if the VATC (Microcab II) units recover after the reset, inform the Train Attendant to remain onboard for a full round-trip in case the failure arises again which leads to the train to be removed
- if the VATC (Microcab II) units does not recover after the reset, remove the failed train from service:  
 inform the Engineering and Fault Controller of the situation  
 inform the OCC Supervisor of the situation  
 set a route and authorize the Train Attendant to operate the train in BYPASS mode to the nearest station if the train is not berthed at station  
 detrain passengers at the station  
 set a route and authorize the Train Attendant to operate the train in BYPASS mode to the nearest pocket track or the Yard
- log the event in the Train Controller Log

### Train Attendant

You must follow the instructions of the Train Controller to:

- access the failed train safely
- reset the EB and the VATC (Microcab II) units on the failed train
- remain on the recovered train for a full round-trip to ensure the train is working
- operate the failed train in BYPASS mode to the nearest station for passenger detrainment
- detrain passengers from the failed train
- remove the train from service; operate the failed train in BYPASS mode to the nearest pocket track/Yard

### Engineering and Fault Controller

You must:

- inform the maintainer to arrange immediate maintenance intervention
- keep an eye on the ATS repair progress
- inform the OCC Supervisor, and the Train Controllers about the latest VATC (Microcab II) repair progress

© P

Approved By:	<input type="checkbox"/> Director, Operations and Maintenance	<input type="checkbox"/> Department Manager	<input type="checkbox"/> Manager, HSE (Operations and Maintenance)
Signature:			
Date:			

Document Code	HNL-09433 - Vehicle ATC (MicroCab II) System Failure	Effective Date:	
File Name	-e	Rev No.	Page 2 of 3

## VEHICLE ATC (MICROCAB II) SYSTEM FAILURE

OCC Supervisor	You must: <ul style="list-style-type: none"> <li>• follow the fault rectifying progress closely</li> <li>• keep the OCC Manager informed on the recovery process of the failed VATC (Microcab II)</li> <li>• inform the Information Controller to make regular public announcements on service delays to trains and stations</li> <li>• if the VATC (Microcab II) units recover, inform the Information Controller to: make public announcements on service resumption of normal train service to trains and stations</li> </ul> log the event in the OCC Supervisor Daily Report
Information Controller	You must, on instructions from the OCC Supervisor: <ul style="list-style-type: none"> <li>• make public broadcast announcements on service delays to trains and stations</li> <li>• make regular announcements to update trains and stations affected</li> <li>• make public announcements on service resumption of normal train service to trains and stations</li> <li>• log the event in the Information Controller Log</li> </ul>
Station Attendants	You must: <ul style="list-style-type: none"> <li>• on instructions from the OCC Supervisor, assist passenger detrainment and ensure the train is emptied</li> <li>• log the event in the Station Attendant Log</li> </ul>



### Warning

Where required, Train Controller **MUST** arrange a safe path and all protection arrangements necessary for the Train Attendant to safely access the train.



### Warning

While directing the Train Attendant to operate a train manually, Train Controller/Yard Controller and the Train Attendant **MUST** follow the HNL-09547 Manual Train Operations Work Instruction - Authorization to Proceed accordingly.



### Note

The handling described in this work instruction applies equally to Yard Controller inside the Yard

© P

Approved By:	<input type="checkbox"/> Director, Operations and Maintenance	<input type="checkbox"/> Department Manager	<input type="checkbox"/> Manager, HSE (Operations and Maintenance)
Signature:			
Date:			

Document Code	HNL-09433 - Vehicle ATC (MicroCab II) System Failure	Effective Date:	
File Name	-e	Rev No.	Page 3 of 3