HANDLING ECP FAILURES WORK INSTRUCTION

HITACHI
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Work description: This work instruction describes the steps to handle both the onboard ECP and platform ECP failures

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

References:
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, Engineering & Fault Controller, Information Controller, OCC Supervisor, Train Operator, Station Operator	Nil

Tools and equipment required

Nil

Handle ECP Failure on a Train

Note

The onboard Emergency Call Point (ECP or T-TEL) enables two-way communication take place between the train and the OCC. The ECP has a red button and a call status indicator. The red button must be pressed in emergency situations to establish an immediate two-way communication contact with the OCC where the Information Controller would pick up and respond to the incoming call. When the ECP is activated, the nearby CCTV camera will stream the CCTV images to the OCC enabling real-time monitoring of the emergency. Each train is provided with 12 ECPs, 3 in each car.

Figure 1. Emergency Call Point (ECP)

Train Controller

You must:

- Tell the Engineering & Fault Controller of the ECP failure on the train
- If there is no Train Operator on board, dispatch a Train Operator to get on the train at the specific station
- Tell the Train Operator to put an out-of-service sign on the ECP and stay on board and be responsible to aid passengers in the absence of onboard ECP or T-TEL, until the train is taken out of service
- On instructions from the OCC Supervisor:
  - Arrange a replacement train with the Yard Controller
  - Confirm the train is empty before taking the train off service and to the Yard
- Log the event in the Train Controller Log

OCC Supervisor

You must:

- Decide the best strategy to continue the degraded service or replace the faulty train in accordance with HNL-09510 Minimum Operating Conditions Work Instruction
- Log the event in the OCC Supervisor Daily Report

Information Controller

You must:

- Wait until the Train Operator is on board the train then coordinate with the Train Operator (via voice radio) to make local announcements as required
- With the assistance from the Train Operator, check and confirm the extent of the ECP failures onboard the train
- Log the event in the Information Controller Log

Train Operator	You must: • On instructions from the Train Controller, get on board the specified train from the specified station (if not already on board the train) • Aid passengers in the absence of onboard ECP / T-TEL • Provide feedback to Information Controller on the extent of the ECP failures – all ECPs fail in one car? • Monitor conditions on board the train and inform the Train Controller of any anomaly • On instructions from the Train Controller, disembark all passengers at the designated station • On instructions from the Train Controller, accompany the train to the Yard or exit the train at the specified station
Engineering & Fault Controller	• Record the fault in the MMIS according to HNL-09527 Fault Reporting Process and coordinate with the maintenance team for maintenance intervention • Monitor the fault rectifying progress and keep the OCC Supervisor and Information Controller informed

Handle ECP Failure on a Platform

	Note *The platform Emergency Call Point (ECP or P-TEL) enables two-way communication take place between the station and the OCC. The ECP has a red button and a call status indicator. The red button must be pressed in emergency situations to establish an immediate two-way communication contact with the OCC where the Information Controller would pick up and respond to the incoming call. When the ECP is activated, the nearby CCTV camera will stream the CCTV images to the OCC enabling real-time monitoring of the emergency. Each station is provided with at least 2 ECP in each platform, one at each platform end. Additional ECPs may be presented in areas other than the station platform such as in the elevators.*  **Figure 2. Emergency Call Point (ECP)**
Train Controller	You must: • Tell the Engineering & Fault Controller of the ECP failure on the station platform • Tell the Information Controller to arrange a Station Operator to the platform and be responsible to aid passengers in the absence of ECP or P-TEL, until further notice • Log the event in the Train Controller Log
OCC Supervisor	You must: • Decide the best strategy to continue the degraded service • Log the event in the OCC Supervisor Daily Report
Information Controller	You must: • On request from the Train Controller arrange a Station Operator to the platform and be responsible to aid passengers in the absence of ECP or P-TEL, until further notice • Log the event in the Information Controller Log
Engineering & Fault Controller	• Record the fault in the MMIS according to HNL-09527 Fault Reporting Process and coordinate with the maintenance team for maintenance intervention • Monitor the fault rectifying progress and keep the OCC Supervisor and Information Controller informed