

Work Instruction - Operations	HITACHI
SCADA FAILURE WORK INSTRUCTION	 Hitachi Rail Honolulu JV

Work description: This work instruction describes the handling of SCADA server failures.		
Scope: This work instruction is written specifically for the OCC operating staff of Honolulu Rail Transit.		
References: HNL-09325 OCC Evacuation Work Instruction		
PPE and precautions	Competencies or qualifications	Licenses or permits required
Nil	OCC Supervisor, Train Controller, Yard Controller, Information Controller, Engineering & Fault Controller, Station Operator	Nil
Tools and equipment required		
Nil		

1. Failure of a single SCADA server in the OCC	
<i>Information Controller</i>	<p>You must:</p> <ol style="list-style-type: none"> 1) Inform the Engineering & Fault Controller of the failure 2) Inform the OCC Supervisor of the failure
<i>Engineering & Fault Controller</i>	<p>You must:</p> <ol style="list-style-type: none"> 1) On receiving a failure report, record/register the fault to the MMIS 2) Inform the maintainer to arrange immediate maintenance intervention 3) Keep an eye on the SCADA server repair progress 4) Inform the OCC Supervisor and the Information Controller about the latest ATS repair progress
<i>OCC Supervisor</i>	<p>You must:</p> <ol style="list-style-type: none"> 1) Follow the fault rectifying progress closely

2. Failure of a pair of redundant SCADA servers in the OCC	
<i>Engineering & Fault Controller</i>	<p>You must:</p> <ol style="list-style-type: none"> 1) On receiving a failure report, record/register the fault to the MMIS 2) Inform the maintainer to arrange immediate maintenance intervention 3) Inform the OCC Supervisor of the failure 4) On instructions from the OCC Supervisor to evacuate the OCC, follow the HNL-09325 OCC Evacuation Work Instruction for departing from / returning to the OCC
<i>OCC Supervisor</i>	<p>You must:</p> <ol style="list-style-type: none"> 1) Find out the extent of failures and the estimated recovery time from the Engineering and Fault Controller 2) Dispatch the Yard Controller to the YCB immediately 3) Instruct the OCC operating staff to evacuate the OCC, follow the HNL-09325 OCC Evacuation Work Instruction for departing from / returning to the OCC
<i>Train Controller, Information Controller</i>	<p>You must:</p> <ol style="list-style-type: none"> 1) On instructions from the OCC Supervisor to evacuate the OCC, follow the HNL-09325 OCC Evacuation Work Instruction for departing from / returning to the OCC

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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Yard Controller

You must:

- 1) Stop all train movements in the yard immediately
- 2) Log off from Workstations on your desk
- 3) Bring your handheld radio, important phone numbers and controller logbooks with you
- 4) Leave OCC and proceed to the YCB
- 5) On arrival at YCB, log on to the LATS console and SCADA local panel to resume duties
- 6) On instructions from the OCC Supervisor to return to the OCC, follow the HNL-09325 OCC Evacuation Work Instruction for returning to the OCC
- 7) Stop all train movements in the Yard immediately
- 8) Relinquish controls in the Yard and return to the OCC to resume duties
- 9) Log the event in the Yard Controller Log