Work Instruction - Operations	HITACHI
ATS FAILURE	**Inspire the Next**

Work description: This work instruction describes the handling of ATS server failures.
Scope: This work instruction is written specifically for the OCC operating staff of Honolulu Rail Transit.
References: Nil

PPE and precautions	Competencies or qualifications	Licenses or permits required
Nil	OCC Supervisor, Train Controller, Yard Controller, Information Controller, Engineering and Fault Controller, Station Attendant	Nil

Tools and equipment required
Nil

⚠️ ***Warning***

Even in the unlikely event when all ATS servers fail, the Automatic Logic for Fallback-operation (ALF) operates within every LATS site will continue to route and dwell AUTO trains without affecting train service. Therefore, do not interrupt train service unless it is absolutely required and the permission to intervene is granted by the Train Controller.

1. Failure of 1, 2 or 3 ATS servers

Traffic Controller	You must: inform the Engineering and Fault Controller of the failure inform the OCC Supervisor of the failure
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, Train Controllers and the Yard Controller about the latest ATS repair progress
OCC Supervisor	You must: • follow the fault rectifying progress closely

2. Failure of all ATS servers

© P

Traffic Controller	You must:
	inform the Engineering and Fault Controller of the failure
	inform the OCC Supervisor of the failure
	on instructions from the OCC Supervisor to fall back the ATS central controls to local controls:
	    prepare to grant/deny Station Attendant's request to intervene train control
	    if ATS servers recover, take back train control on the mainline from TCCRs
	    log the event in the Train Controller Log

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, Train Controllers and the Yard Controller about the latest ATS repair progress

OCC Supervisor	You must:
	• find out the extent of failures and the estimated recovery time from the Engineering and Fault Controller
	• dispatch the Yard Controller to the YCB immediately
	• inform the Information Controller to broadcast each TCCR/with Microlok to take over ATS controls locally
	• inform the Information Controller to make regular public announcements on service delays to trains and stations
	• follow the fault rectifying progress closely
	• if ATS servers recover, inform the Information Controller to:
	    broadcast all TCCRs to relinquish ATS controls
	    make public announcements on resumption of normal train service to trains and stations
	    log the event in the OCC Supervisor Daily Report

Information Controller	You must:
	• on instructions from the OCC Supervisor to fall back ATS controls, broadcast each TCCR/with Microlok:
	    to take over ATS controls locally by using the LATS console
	    to seek Train Controller's permission before intervene anything
	• make public broadcast announcements on service delays to trains and stations
	• make regular public announcements to update trains and stations affected
	• on instructions from the OCC Supervisor to take back ATS controls, broadcast each TCCR and YCB/with Microlok to relinquish ATS controls
	• log the event in the Information Controller Log

© P

Yard Controller	You must:
	• stop all train movements in the yard immediately
	• log off from Workstations on your desk
	• bring your handheld radio, important phone numbers and controller logbooks with you
	• leave OCC and proceed to the YCB
	• on arrival at YCB, log on to the LATS console, take over ATS controls for the Yard
	• on instructions from the OCC Supervisor to relinquish ATS controls locally:
	   stop all train movements in the Yard immediately
	   relinquish ATS controls locally "local enable cancel" and return to the OCC to resume duties
	• log the event in the Yard Controller Log

Station Attendants manning the LATS consoles	You must: • log on to the LATS console, take control and monitor train service within your control territory • if you have any queries call the Train Controller on what to do next • on instructions from OCC to relinquish the controls, "local enable cancel" and log off from the LATS console • log the event in the Station Attendant Log

© P

Approved By:	☐ Director, Operations and Maintenance	☐ Department Manager	☐ Manager, HSE (Operations and Maintenance)
Signature:			
Date:			

Document Code	HNL-09410 - ATS Failure		Effective Date:	
File Name	-e		Rev No.	Page 3 of 3