

Work Instruction - Operations	HITACHI
<b>FIRE OR SMOKE IN STATION/MAINLINE WORK INSTRUCTION</b>	Hitachi Rail Honolulu JV

<b>Work description:</b> Operational response to Fire and Smoke on Stations and the Mainline		
<b>Scope:</b> All Stations and Mainline on H RTP network		
<b>References:</b> HNL-09563 Terminating Trains at Stations Work Instruction, HNL-09626 Fire and Safety Procedure, HNL-09527 Fault Reporting Process Work Instruction, HNL 09528 Train Movement in Manual Area Work Instruction, HNL-09529 Train Inspection/Preparation Work Instruction, HNL-09023 O&M Provider-Accident and Incident Notification, Reporting and Investigation Plan, Local Evacuation Plans, HNL-09328 Station Evacuation Work Instruction		
<b>PPE and precautions</b>	<b>Competencies or qualifications</b>	<b>Licenses or permits required</b>
Nil	Station Operator, Train Operator, Train Controller, Engineering & Fault Controller, Information Controller	Nil
<b>Tools and equipment required</b>		
Loud Hailer		



### Warning

Staff are to ensure that they do not expose themselves to hazard associated with fire and smoke on the Station or the Mainline

<b>Fire and Smoke Detection</b>	<p>Stations are equipped with Fire Detection and Alarm System. An alarm from a smoke detector in a station must be treated as a reported fire.</p> <p>If the OCC receives an alarm of fire/smoke in a station, the SCADA Operator has the possibility to identify on which floor the alarm is active. Once the fire/smoke alarm is activated, the ATC system will automatically set both station platforms out of service</p> <p>Table 1 below provides a summary of the measures to be put in place in case of a fire or false alarms:</p>
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**Table 1 Summary of Measures in case of Fire or False Alarms**

Location	Fire	False alarm
Platform Level	<ul style="list-style-type: none"> <li>Evacuate station</li> <li>Skip platforms</li> </ul>	<ul style="list-style-type: none"> <li>Skip platforms</li> </ul>
Not at platform level	<ul style="list-style-type: none"> <li>Evacuate station</li> <li>Skip platforms</li> </ul>	<ul style="list-style-type: none"> <li>Skip platforms</li> </ul>
Platform tracks	<ul style="list-style-type: none"> <li>Evacuate station</li> <li>Hold train entering the platforms</li> <li>Set up degraded service</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>

<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>			

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<b>Fire and Smoke Response at a Station</b>	All alarms are to be treated as genuine until proven to be otherwise in the event of an alarm or reports of fire and smoke
<i>OCC Supervisor</i>	<p>OCC Supervisor must:</p> <ul style="list-style-type: none"> <li>Inform Honolulu Fire Department and Emergency Services, if needed;</li> <li>Inform the Head of Operations</li> <li>If the alarm is real, immediately decide for station evacuation (HNL-09328 Station Evacuation Work Instruction)</li> </ul>
<i>Train Controller</i>	<p>Train Controller must:</p> <ul style="list-style-type: none"> <li>Contact the Station Operator and have them confirm the alarm is real or false</li> <li>If the alarm is real, ask the Station Operator to evacuate the Station</li> </ul> <p>If fire is at the platform level (on tracks):</p> <ol style="list-style-type: none"> <li>Implement TWC hold on all trains in the area in order to prevent trains from entering the affected station (both tracks)</li> <li>Instruct Engineering &amp; Fault Controller to De-energize both tracks in the area of the fire</li> <li>Notify Information Controller of stranded trains in the area and to issue PA/PID announcement to those trains</li> <li>Route stranded trains to the nearest station for evacuation</li> <li>Dispatch additional Road Supervisors to the affected station, if required</li> <li>Implement alternative service strategy upholding train service in track section around the affected traction power area</li> </ol> <p>If the Fire is not at track level in the station</p> <ol style="list-style-type: none"> <li>Instruct the Station Operator to Evacuate the Station</li> <li>Route Stranded Trains to the nearest station for detrainment</li> <li>Implement the most appropriate Alternate Service Plan</li> </ol>
<i>Station Operator</i>	<p>Station Operators must:</p> <ul style="list-style-type: none"> <li>Investigate any smoke and fire alarms activated within the station environment</li> <li>Immediately report if the alarm is False or any fire or smoke identified to the Train Controller</li> <li>Provide details of location and nature of the fire and or smoke</li> <li>Move Passengers and Staff away from the hazard immediately</li> <li>Assist and injured passengers and provide first aid, if necessary</li> <li>Evacuate the Station in line with HNL-09328 Station Evacuation Work Instruction and the Local Evacuation Plan for the station on instruction from the Train Controller</li> </ul> <p>If the Alarm is False:</p> <ul style="list-style-type: none"> <li>Check on the fire alarm panel the nature of the activation and reset the alarm</li> <li>Confirm to the Train Controller that normal passenger service can be resumed in the affected station</li> </ul>
<i>Engineering &amp; Fault Controller</i>	<p>Engineering &amp; Fault Controller must:</p> <ul style="list-style-type: none"> <li>Identify the location of fire/smoke alarm activated</li> <li>Power off both the tracks in the area, if asked by the Train Controller</li> <li>Investigate if any maintenance team is operating in the area of the fire, ask to evacuate if present</li> <li>If the alarm is false, dispatch maintenance team to inspect equipment in the station</li> </ul>
<i>Information Controller</i>	<p>Information Controller must:</p> <ul style="list-style-type: none"> <li>Monitor the affected area through CCTV, to ascertain whether the alarm is real or false</li> <li>Inform OCC Sweep train and Train Controller</li> <li>Issue PA/PID informing passengers to keep calm and follow the instruction of Station Operator/s</li> <li>In case of real fire/smoke alarm, issue PA/PID informing passengers on the station evacuation, if asked by the OCC Supervisor (as per HNL-09328 Station Evacuation Work Instruction)</li> <li>In case of false alarm, issue PA/PID informing passengers that normal passenger service will be restored shortly, once decide by the OCC Supervisor</li> </ul>

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<b>Response to Fire and Smoke on the Mainline</b> <i>Engineering &amp; Fault Controller</i>	If Fire/Smoke is detected on the mainline follow the same process as outlined above with the following inclusions:
	Engineering & Fault Controller must: <ul style="list-style-type: none"> <li>• Coordinate with the maintenance team for grounding straps installation before the arrival of external parties (Honolulu Fire Department, Emergency Services)</li> <li>• De-energize the third rail (power off) the affected line section on both tracks prior to any third-party intervention.</li> </ul>



**Note**

*Staff are to follow the instructions of the Emergency Services when they arrive at the scene.*

<b>Additional controls</b>
<i>Trained staff may use firefighting equipment (Fire Extinguishers) available if it is SAFE to do so</i>