

# KIX Early Recovery Plan

September 12, 2018



Shaping a New Journey



**KANSAI  
AIRPORTS**

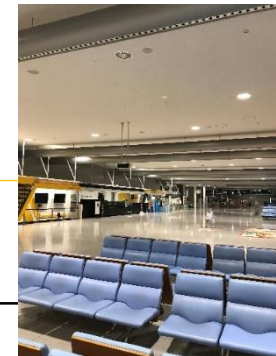
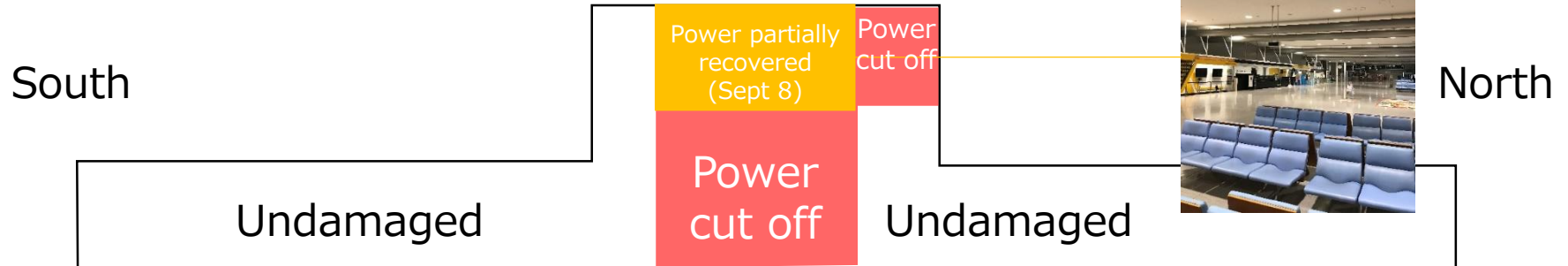
# Our Early Recovery Plan

Recovery status	(1) Emergency	(2) Tentative	(3) Full scale
Time	Sept 7, 2018 (3 days after the typhoon damage)	After 1 week	TBD
Goal	Operation of domestic flights at T2	<ul style="list-style-type: none"> <li>Partial operation of international/domestic flights at T1</li> <li>Full operation at T2</li> </ul>	<ul style="list-style-type: none"> <li>Full operation at T1</li> <li>Operation of international cargo flights</li> </ul>
Details	<ul style="list-style-type: none"> <li>Take-off and landing facilities on Phase II Island</li> <li>T2 Domestic</li> <li>T2 International (Partial operation started on Sept 8)</li> </ul>	<ul style="list-style-type: none"> <li>Runway A, taxiway and part of apron</li> <li>T1 Main Terminal                             <ul style="list-style-type: none"> <li>- South check-in facilities on Level 4</li> <li>- CIQ facilities</li> </ul> </li> <li>T1 South Wing</li> </ul>	<ul style="list-style-type: none"> <li>Runway A, taxiway and entire apron</li> <li>T1 Main Terminal (Level 4: All check-in facilities)</li> <li>Entire T1</li> <li>International Cargo Area</li> </ul>


# T1 Ancillary Facilities

No.	Date	September 7	September 14 (After 1 week)	Efforts
1	Sept 7	Lighting: partly outage Disaster prevention: flood damage (partly) AC: flood damage (partly) ES: flood damage on monitoring equipment EV: flood damage on monitoring equipment Service lane: drainage finished	Lighting: operational Disaster prevention: operational AC: <b>operational</b> ES: operational EV: <b>operational</b>	[Lighting] Expected to recover except for North Terminal [Disaster prevention] Safety confirmation on 13th [AC, ES, EV] Test operation after restoration of electricity


## Electricity recovery situation



# BHS

No.	Date	September 7	 September 14 (After 1 week)	Efforts
1	Sept 7	<b>T1 International</b> <ul style="list-style-type: none"> <li>• Departure conveyer South: Operational North: Under investigation</li> <li>• Arrival conveyer=&gt; Recovery work underway</li> </ul> <b>T1 Domestic=&gt;Operational</b>	<b>T1 International</b> <ul style="list-style-type: none"> <li>• Departure conveyer South: Operational North: Recovery work</li> <li>• Arrival conveyer South: Operational North: Recovery work</li> </ul> <b>T1 Domestic=&gt;Operational</b>	<ul style="list-style-type: none"> <li>• Clean and replace electronical parts and control devices damaged from flooding</li> <li>• Verify the operation of each system</li> </ul>

# Aircraft Stand

No.	Date	September 7	 September 14 (After 1 week)	Efforts
1	Sept 7	Available stands: Int'l South Wing (12/15) Dom Central (6/11) Int'l North Wing (under investigation/15)  Total: 18 available out of 41	Available stands: Int'l South Wing (15/15) Dom Central (11/11) Int'l North Wing ( <b>under recovery</b> /15)  Total: 26 available out of 41	Focus on recovery of south side

# Fueling Facility

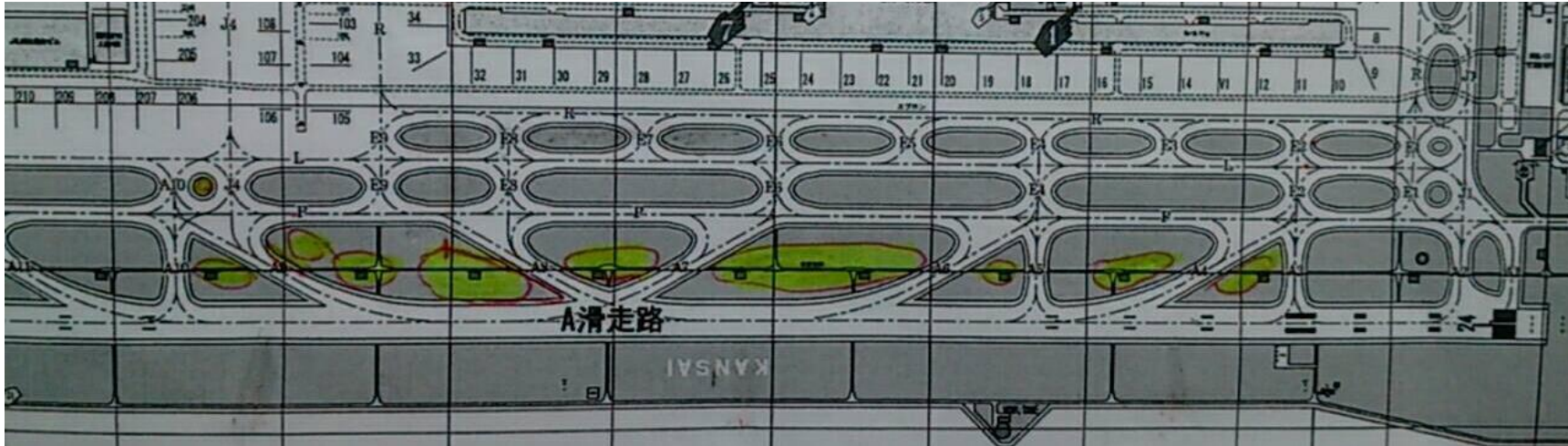
No.	Date	September 7	September 14 (After 1 week)	Efforts
1	Sept 7	<ul style="list-style-type: none"> <li>• Fuel storage tanks: Operational</li> <li>• Hydrant facility               <ul style="list-style-type: none"> <li>• Phase I Island: Under inspection</li> <li>• Phase II Island: Operational</li> </ul> </li> <li>• Oil tanker berth: Partially flooded areas have been restored.</li> </ul>	<ul style="list-style-type: none"> <li>• Fuel storage tanks: Operational</li> <li>• Hydrant facility               <ul style="list-style-type: none"> <li>• Phase I Island: Operational</li> <li>• Phase II Island: Operational</li> </ul> </li> <li>• Oil tanker berth: Operational (some parts are still under repair)</li> </ul>	<p>[Phase I Island]</p> <ul style="list-style-type: none"> <li>• Safety confirmation on 13th</li> <li>• Inspect the safety of the facilities and the quality of fuels</li> </ul>

# Runway A and Rain Water Drainage

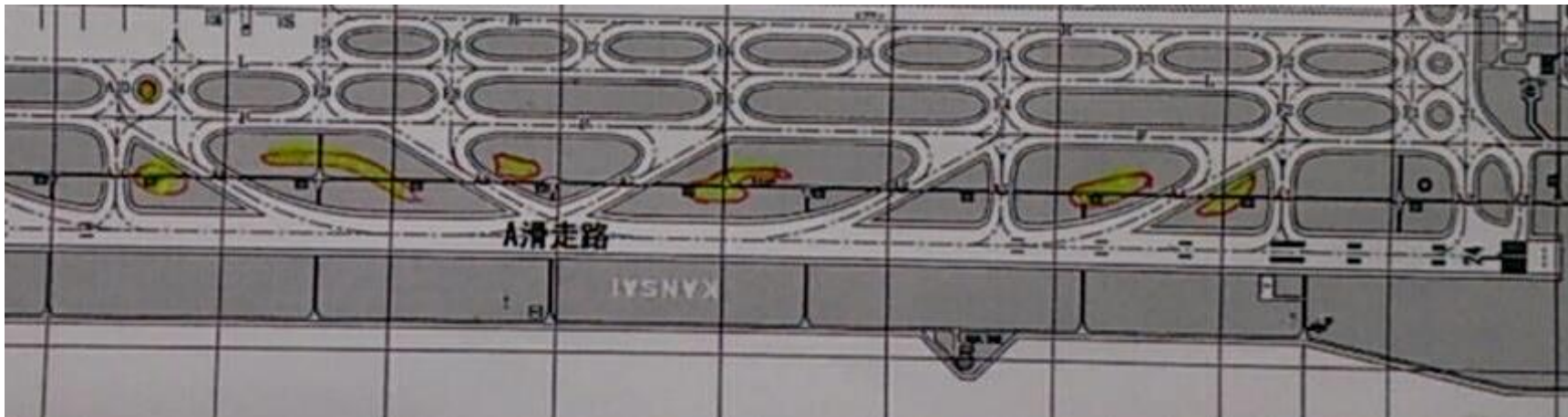
No.	Date	September 7	September 14 (After 1 week)	Efforts
1	Sept 7	<p>[Number of drainage facilities] 7 out of 10: In operation 3 out of 10: Under repair (Draining with the aid of pump vehicles provided by Kinki Regional Development Bureau)</p> <p>[Runway A and airfield lighting] • Pavements: Operational • Airfield lighting: partially damaged due to the flood</p>	<p>[Number of drainage facilities] 7 out of 10: In operation 3 out of 10: Recovered with provisional power source</p> <p>[Runway A and airfield lightings] • Pavements: Operational • Airfield lighting: Operational</p>	<p>[Drainage pump] • Provisional power generators in operation</p> <p>[Runway A and airfield lightings] • Surface cleaning by sweeper is ongoing. Almost finished cleaning with the aid of sweepers from Narita airport • Restoration of damaged lighting and power source cubicle</p>

# Runway A and Water Drainage

Sept 7  
PM



Sept 8  
AM

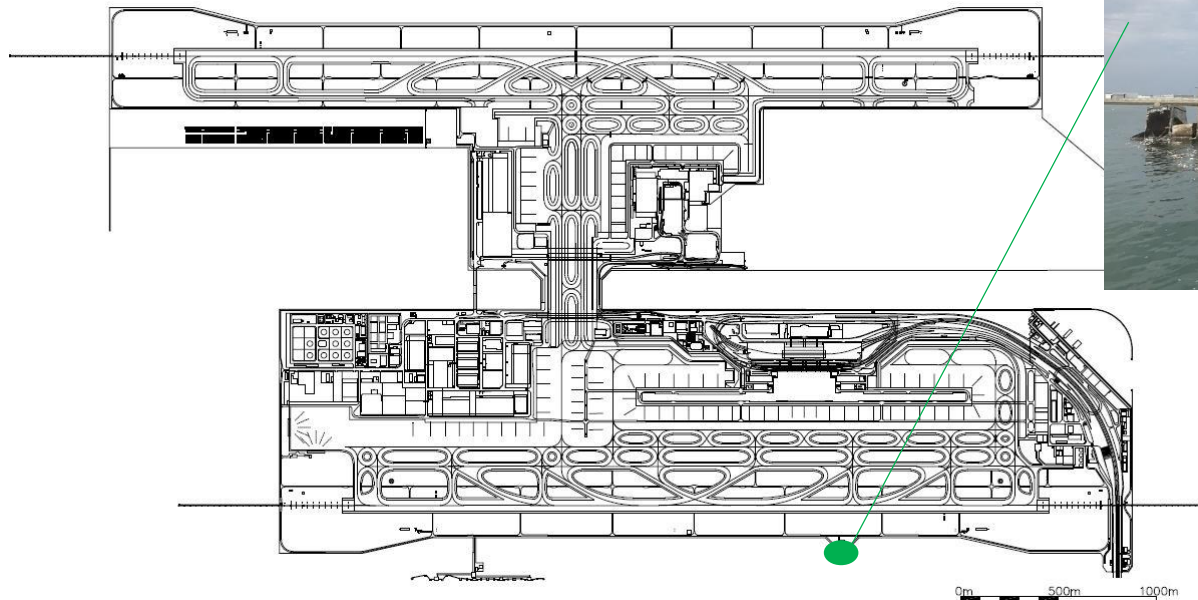


No water pooling as of the evening of Sept 10



# Sea Wall

No.	Date	September 7	September 14 (After 1 week)	Efforts
1	Sept 7	Partially collapsed (see below)	Tentatively recovered by installing sandbags and filter units	Installation of sandbags completed. <b>Expected to install filter units on Sept.13.</b>




# Clean Center

No.	Date	September 7	September 14 (After 1 week)	Efforts
1	Sept 7	Incineration of wastes restarted on September 6 upon recovery of gas service		



# Water Treatment Center

No.	Date	September 7		September 14 (After 1 week)	Efforts
1	Sept 7	Operational			