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Seminario Regional SAM sobre Formato Global de
Reporte de Estado de Pista
SAM Regional Seminar on GRF for Runway Conditions
Lima, Peru. 21-22 Agosto 2019

SAM WORKSHOP ON GRF

Workshop cases

Wet runway

1. WET only
2. STANDING WATER
3. WET ('Slippery wet' runway)
4. DRY runway (after a wet period)

Contaminated runway

5. ICE

Actions by the group:

- Generate a RCR for the following cases.
- Specify the means of communication of the RCR.
- Explain how the ATC should communicate the RCR to pilots from each threshold.



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Case # 1.



- Tocumen International Airport (MPTO), Panama. Runway 03L/21R
- 06 July 2018 at 1630UTC
- At present:
 - Beginning to rain;
 - Rain intensity forecasted is Heavy showers For 25 minutes.
 - There is no wind.
- The runway is completely and evenly covered with a thin layer of water less than 3 mm deep. The runway has adequate drainage capabilities.
- No relevant NOTAM issued.
- The runway has some rubber deposits 1st third and 3rd third of the runway.
 - The runway is closely monitored as it has been determined that it is approaching State set or agreed criteria for minimum surface friction characteristics.
 - There is no NOTAM issued declaring the runway to be a 'Slippery when wet' runway.
- One pilot reports Braking Action at 1625 UTC as MEDIUM.
- Outside temperature is 26°C

Solution:



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Case # 2



- Runway 13R/31L at Bogota Airport (SKBO), Columbia.
- Date and time: 02 August 2019 at 0005UTC
- Last RCR: 5/5/5
- At present:
 - Rain intensity is heavy rain
 - Rain intensity forecasted is HEAVY in showers for 2 hours
 - There is a crosswind of 5knots
- No relevant NOTAM issued.
- The runway is completely but unevenly covered with water
 - 1st third and 3rd third is covered by water less than 3 mm deep.
 - 2nd third has a 200 m long portion covering the wheel tracks of water in a pond more than 3 mm deep.

Solution:



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Case # 3



- Runway 18/36 at XYZ International Airport, Fantasyland
- Date and time: 22 November 2019 at 2135 UTC
- A rain is still falling on the airport and surrounding region
- A pilot report to the ATC a runway braking action of MEDIUM TO POOR
- First third of runway has been assess to 26-50 per cent coverage of water of 3 mm or less depth.
- Middle third of runway has been assess to 10 – 25 per cent coverage of water of more than 3 mm depth but not much more than 3 mm.
- Last third of runway has been assessed to 76 – 100 per cent coverage of water of 3 mm or less.
- Which actions should be taken?

Solution:

- A new assessment revealed that the first and last runway thirds are still covered by 3 mm or less of water and at the second runway third water is accumulating but less than 3 mm assessed increase in depth.
- Which action will be taken?

Solution:



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Case # 4



- Runway 10/28 at Alejandro Velasco Astete International Airport , Peru
- 18 April 2019 at 0920 UTC
- Latest RCR 3/3/3. NOTAM published with Slippery Wet situation.
- Latest AIREP reported by pilot to ATC rwy braking action of MEDIUM
- A rain has fallen on the airport and surrounding region but already stopped and no forecasted rain for the next 8 hrs.
- The runway has been assessed to be DRY on all three runway thirds

Solution:



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Case # 5



- Runway 15/33 at “Punta Arenas” Airport, Chile. Code: SCCI
- 24 December 2019 – 05:00UTC
- Runway coverage 100% Compacted Snow.
- Runway in good conditions
- OAT -16°C
- Pilot reporting braking action as GOOD at 04:35UTC

Solution: