Exercices

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.

Case 1

- Jomo Kenyatta International Airport (HKJK), , Kenya, Runway 06/24
- 5 August 2019 at 11:33 AM UTC
- A thunderstorm is passing and significant rain is falling on the airport and surrounding region
- The runway is completely covered with a layer of water that is approximately 1cm in depth
- The outside air temperature is 25°C

Case 2

- Runway 10/28 at Kenneth Kaunda International Airport (FLKK), Lusaka, Zambia
- 17 July 2019 at 04:15 PM UTC
- A significant rain has fallen on the airport and surrounding region
- The first runway third of the runway has 33% coverage of water up to 4 mm
- The second runway third has of the runway has 20% of water up to 4 mm
- The last third has of the runway has 50% of water up to 5 mm

Case 3

- Runway 03L/21R at O.R Tambo International Airport (FAOR), Johannesburg, South Africa
- 05 December 2019 at 10:20 AM UTC
- The runway is covered by rubber deposits
- It has rained recently. The runway is still covered with visible dampness 3 mm deep
- Out of experience the runway inspector knows that the places where landing aircraft touch ground are slippery in such conditions

Case 4

- Runway 10/28 at Kigali International Airport (HRYR), Kigali, Rwanda
- 21 May 2019 at 09:20 PM UTC
- A rain has fallen on the airport and surrounding region
- The first runway third of the runway has 9% coverage of water up to 3 mm
- The second runway third has of the runway has 27% of water up to 3 mm
- The last third has of the runway has 15% of water up to 3 mm

Case 5

- Runway 05 /23 at Quatro de Fevereiro International Airport (FNLU), Luanda, Angola
- A rain is falling on the airport and surrounding region
- The runway surface is covered by water greater than 3 mm depth

Case 6

- Runway 02/20 at Prince Said Ibrahim International Airport (FMCH), Moroni, Comoros
- 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
- Which actions should be taken?
- A new assessment revealed that the first and last runway thirds are covered by 3 mm of water and the second runway third by 5mm of water
- Which action will be taken?