

## ICAO Action

The investigation of this incident revealed standing water on the side of the runway at the time of the incident. As a result, it was suggested that the specifications regarding runway drainage at airports where heavy rain is frequently encountered might need to be more stringent. The recommendation called on ICAO to review its Standards and Recommended Practices (SARPs) related to runway design at such airports.

The feasibility of amending Annex 14—*Aerodromes*, Volume I—*Aerodrome Design and Operations* and the guidance material in the *Aerodrome Design Manual*, Part 1—*Runways* (Doc 9157), to provide for a small step down from the runway to the shoulder and from the shoulder to the grass will be considered by ICAO. In addition, as the length of the grass adjacent to the runway edge could have contributed to the poor drainage of water from the runway, ICAO plans to include appropriate guidance material in the *Airport Services Manual*, Part 8—*Airport Operational Service* and Part 9—*Airport Maintenance Practices* (Doc 9137).