Segment Two – “Champions’” Status Reports
Deicing/Anti-icing/Runway Contamination

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Deicing/Anti-icing/Runway Contamination

Rate the Progress in the Last Year

• Gov’t & Industry Coordination on Weather Info & Deicing/Anti-icing Operations

• Runway Contamination
  – Multiple Choice re our Score
    • (A or B) Major Progress Addressing Wx Related Deice Issues
    • (C) Status Quo
    • (D of F) Major step(s) backward
  – It is Always a Matter of your Perspective
# PAVED RUNWAY CONDITION ASSESSMENT TABLE

<table>
<thead>
<tr>
<th>Code</th>
<th>Runway Description</th>
<th>Mu (μ)</th>
<th>Downgrade Assessment Criteria</th>
<th>PIREP</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>• Dry</td>
<td>-</td>
<td>-</td>
<td>Dry</td>
</tr>
</tbody>
</table>
| 5    | • Wet (Smooth, Grooved or PFC)  
       • Frost  
       1/8” or less of:  
       • Water  
       • Slush  
       • Dry Snow  
       • Wet Snow  
       39-50μ | Braking deceleration is normal for the wheel braking effort applied. Directional control is normal. | Good |
| 4    | **At or below -13°C:**  
       • Compacted Snow  
       39-36μ | Brake deceleration and controllability is between Good and Medium. | Good to Medium |
| 3    | • Wet (Slippery)  
       **At or below -3°C:**  
       • Dry or Wet Snow greater than 1/8”  
       **Above -13°C and at or below -3°C:**  
       • Compacted Snow  
       29-30μ | Braking deceleration is noticeably reduced for the wheel braking effort applied. Directional control may be slightly reduced. | Medium |
| 2    | **Greater than 1/8” of:**  
       • Water  
       • Slush  
       **Above -3°C:**  
       • Dry or Wet Snow greater than 1/8”  
       • Compacted Snow  
       29-26μ | Brake deceleration and controllability is between Medium and Poor. Potential for hydroplaning exists. | Medium to Poor |
| 1    | **At or below -3°C:**  
       • Ice  
       25-21μ | Braking deceleration is significantly reduced for the wheel braking effort applied. Directional control may be significantly reduced. | Poor |
| 0    | • Wet Ice  
       • Water on top of Compacted Snow  
       • Dry or Wet Snow over Ice  
       **Above -3°C:**  
       • Ice  
       20μ or lower | Braking deceleration is minimal to non-existent for the wheel braking effort applied. Directional control may be uncertain. | Nil |
Weather Info & Deicing/Anti-icing Ops
An Industry Rep’s Perspective

Background

• Apr 2007, ATA/FAA Ground Deicing Work Group & Meteorology Subcommittee formed.

• Summer 2007 Subcommittee Agreed:
  – The Current method of using visibility to estimate snowfall was not the most accurate method.
  – But existing current method was sufficient for the time being.
  – Subcommittee would work to implement Liquid Water Equivalent (LWE) method to est. snowfall intensity.

• Sometime in 2008, independent of the subcommittee, FAA contracted both NCAR & a Canadian org. to compile existing stats on reliability of snowfall intensity est. using visibility.
An Industry Rep’s Perspective

*Developments w/in last 12 Months*

- Dec’08: Failed attempt to finalize Subcommittee’s Charter, pending 18 months
  - Until agreement on a Charter, there was no benefit to continue to meet.
  - Behind scenes, unbeknownst to industry, work continued on FAA requested stats.
- Apr’09: FAA requested to meet to discuss snowfall intensity measurements.
  - Canadian org & NCAR presented stats they had prepared.
  - FAA announced plan to reverse subcommittee’s 2007 agreement & require airlines not to use the officially published METAR snowfall intensity observation.
- May-Aug’09: Industry failed to speak with one voice on the issue.
- End of Aug’09: FAA issued, via the web, the Apr discussed requirement.
- Oct ’09: Official FAA 2009-10 Winter Ops Requirements were published.

**RESULT:** REQUIRED - Commercial Carriers must calculate snowfall intensity using FAA table & not official snowfall intensity in METAR.

**NOT REQUIRED** – If FG or BR included in METAR, Ignore Table.

Gov’t & Industry Coordination on Wx Info & Deicing Ops

**SCORE: F**