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15. Supplementary Notes (Funding programs, titles of related publications, etc.) Several research reports for testing of de/anti-icing technologies were produced for previous winters on behalf of Transport Canada. These are available from the Transportation Development Centre (TDC). Several reports were produced as part of this winter's research program. Their subject matter is outlined in the preface. The work described in this report was, in part, co-sponsored by the Federal Aviation Administration (FAA).					
16. Abstract This report documents the general activities completed by APS related to aircraft ground deicing research in the winter of 2010-11. The activities documented in this report were carried out in addition to the main research projects completed in the winter of 2010-11, which are documented in separate reports. The nineteen activities included in this report are listed below. <ol style="list-style-type: none"> <li>1. Validation of Type I Holdover Times on Composite Aircraft</li> <li>2. Evaluation of Endurance Time Performance on Vertical Surfaces</li> <li>3. Evaluation of Holdover Time Guidelines for Cold Soak Wing during Natural Frost Conditions</li> <li>4. Evaluation of Sensor for NowCasting Active Frost</li> <li>5. Development and Evaluation of New Protocol Using Snowmaker</li> <li>6. Holdover Times Related to Aircraft Hangar Operations</li> <li>7. Evaluation of Ice Phobic Coating Interaction with Aircraft Ground De/Anti-Icing Fluids</li> <li>8. Degraded Anti-Icing Fluid Performance Following Contamination with Runway Deicing Fluid</li> <li>9. Impact of Wing Anti-Ice Heating Systems on Fluid Endurance Times</li> <li>10. Effect of Type I Overspray on Type IV Holdover Times</li> <li>11. Expansion of Type II and IV Fluid Holdover Times for Light Snow and Very Light Snow</li> <li>12. Evaluation of Non-Precipitation Type Dependent Regression Curves for Liquid Water Equivalent (LWE) and Holdover Time Determination Systems (HOTS)</li> <li>13. Support for the Development of Use of Ice Detection Cameras at End-of-Runway</li> <li>14. Changes to SAE ARP5718</li> <li>15. Future R&amp;D Funding</li> <li>16. Scoping Study to Assess Feasibility of Conducting Horizontal Stabilizer Tests in the NRC Wind Tunnel</li> <li>17. Holdover Time Guidelines Website</li> <li>18. Development of Lowest Operational Use Temperature (LOUT) Table for Holdover Time Guidelines</li> <li>19. 2010-11 Test Procedures, Presentations and Fluid Manufacturer Reports</li> </ol>					
17. Key Words Composite, Deicing, Hangar, End-of-Runway, Sensor, NowCasting, Cold Soak Wing, Snowmaker, ROGIDS, HOT Guidelines, Frost, Ice Detection, Vertical Stabilizer, Overspray, LOUT, HOT Guidelines, R&D, ARP 5718, Ice Phobic, Runway Deicer, Regression, Horizontal Stabilizer			18. Distribution Statement <b>Limited number of copies available from the Transportation Development Centre</b>		
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