



1. Transport Canada Publication No. TP 15200E		2. Project No.		3. Recipient's Catalogue No.		
4. Title and Subtitle Cold Climate Technologies – Investigation of Sensor Technologies as an Alternative Means of Detecting Aircraft Icing				5. Publication Date		
				6. Performing Organization Document No. CM2265.001		
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9. Performing Organization Name and Address APS Aviation Inc. 6700 Cote-de-Liesse, Suite 105 Montreal, Quebec H4T 2B5 Canada				10. PWGSC File No.		
				11. PWGSC or Transport Canada Contract No.		
12. Sponsoring Agency Name and Address Transportation Development Centre Transport Canada 330 Sparks St., 26th Floor Ottawa, Ontario K1A 0N5 Canada				13. Type of Publication and Period Covered Draft		
				14. Project Officer Yvan Chabot		
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. This project was co-sponsored by the Federal Aviation Administration.						
16. Abstract This research program aims to respond to the emerging challenges and opportunities for Canada and its northern communities and address Transport Canada's Adaptation to Cold and Changing Climates and Sustainable Transportation Research and Development Strategic Priorities. The objective of the program is to investigate sensor technologies as an alternative means of detecting aircraft icing in northern and cold climates. Seven research projects, each with a different research initiative, were completed in the winter of 2011-12 to meet the program objective. The research projects are listed below. <ol style="list-style-type: none"> 1. Support for the use of Ice Detection Cameras at End of Runway (including Flight Crew Survey; and Analysis of Incident Reports. 2. Regression Coefficients and Equations Used to Develop the Winter 2012-13 Aircraft Ground Deicing Holdover Time Tables. 3. Development of Light and Very Light Snow Holdover Times for Type II and Type IV Fluids (Phases 1 & 2). 4. Support for Development of Specifications for Holdover Time Determination Systems (HOTDS). 5. Non-Precipitation Type Dependent Regression Curves for LWE and HOTDS. 6. Variance Analysis of HOTDS 10-Minute Intensity Measurements. 7. Evaluation of Sensor For Nowcasting Active Frost. 						
17. Key Words ROGIDS, Ice Detection, Incident Reports, Flight crew survey, HOTDS, LWE, Active frost, Very light snow, Deicing, Holdover time				18. Distribution Statement Limited number of copies available from the Transportation Development Centre		
19. Security Classification (of this publication) Unclassified		20. Security Classification (of this page) Unclassified		21. Declassification (date) —	22. No. of Pages xii, 32 app.	23. Price —