



1. Transport Canada Publication No. TP 14781E		2. Project No.		3. Recipient's Catalogue No.	
4. Title and Subtitle Aircraft Ground Icing General Research Activities During the 2006-07 Winter				5. Publication Date	
				6. Performing Organization Document No. CM2020.002	
7. Author(s) Joey Tiano, Katrina Bell and John D'Avirro				8. Transport Canada File No.	
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 (TDC) 800 René Lévesque Blvd. West, Suite 600 Montreal, Quebec H3B 1X9 Canada				13. Type of Publication and Period Covered Draft	
				14. Project Officer Barry Myers	
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 2006-07. The activities documented in this report were carried out in addition to the main research projects completed in the winter of 2006-07, which are documented in separate reports. The five activities included in this report are described below. <ol style="list-style-type: none"> 1. Support for Development of SAE AS 5681: APS is supporting the development of AS 5681 by providing expert opinion and clerical support for the development of the standard on remote on-ground ice detection systems. 2. Holdover Time Guidelines Website: APS developed and implemented a website for the official Transport Canada 2006-07 holdover time table guidelines. 3. Support for Development of SAE ARP 5718: APS is supporting the development of ARP 5718 by providing expert opinion for the development of the recommended practice that describes the process by which an experimental fluid becomes a fully qualified fluid. 4. Holdover Time Determination System (D-Ice): APS conducted tests with the D-Ice Information System (DIIS) to examine implementation of Holdover Time Determination Systems. They also provided expert opinion for the development of an exemption document for Holdover Time Determination Systems. 5. Test Procedures, Presentations and Fluid Manufacturer Reports: An account of the test procedures, presentations and fluid manufacturer reports that were produced for the 2006-07 test program is included in this report. 					
17. Key Words Deicing, SAE, Standards, Holdover Time, Holdover Time Determination System, D-Ice, Endurance Times, ROGIDS,			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 xvi, 24 app
					23. Price —