This report documents the general activities completed by APS related to aircraft ground deicing research in the winter of 2007-08. The activities documented in this report were carried out in addition to the main research projects completed in the winter of 2007-08, which are documented in separate reports. The ten activities included in this report are described below.

1. Survey of Deicing Operations in Freezing Rain and Freezing Drizzle: APS is conducting a survey on behalf of Transport Canada to determine whether the current operational practice of take-off during freezing drizzle and/or freezing rain conditions needs to be limited through additional regulatory intervention.

2. Holdover Times of Anti-Icing Fluids Below -25°C:

3. Holdover Times in Conditions of Rain Mixed with Snow:

4. Fluid Endurance Time Testing in Snow Pellet Conditions:

5. Advisory Circular for Approval of Ice Detection Cameras: APS is supporting the development of an advisory circular for AS 5681 by providing expert opinion and clerical support for the development of the standard on remote on-ground ice detection systems.

6. Holdover Time Guidelines Website: APS developed and implemented a website for the official Transport Canada 2008-09 holdover time table guidelines.

7. Options for the Future of Holdover Time Testing:

8. Activities Supporting the Development of the Chinook Tempered Steam Technology:


10. Test Procedures, Presentations and Fluid Manufacturer Reports: An account of the test procedures, presentations and fluid manufacturer reports that were produced for the 2007-08 test program is included in this report.

### Key Words
- Deicing
- SAE
- Standards
- Holdover Time
- Holdover Time Determination System
- D-Ice
- Endurance Times
- ROGIDS