This report contains the results of work conducted by APS Aviation Inc. (APS) on support activities related to aircraft deicing research. Three subprojects are included in this report.

**Support the Development of an Aerospace Standard for Testing Type I Fluids**
The proposed Aerospace Standard AS 5485 is being developed for endurance time testing of aircraft deicing/anti-icing fluids certified under AMS 1428 (Types II, III and IV fluids). APS developed a new proposed standard for Type I fluids, based mostly on the proposed Aerospace Standard AS 5485. This standard was disseminated to the SAE G-12 HOT Subcommittee Workgroup for review.

**Design a Web Page to Publish the Holdover Time (HOT) Guidelines**
In order to standardize the Holdover Time (HOT) information published on web sites and to eliminate the safety risks associated with discrepancies, APS developed and implemented a web site for the official Transport Canada HOT Guideline Tables. This single source of HOT information is published in English and French, primarily for Canadian operators.

**Support the Acquisition of an RJ Wing**
Over the past two winters, APS has provided support to Transport Canada in their efforts to acquire a modern wing, an RJ Series 200, from Bombardier. A draft loan agreement for the wing was made between Transport Canada and Bombardier but due to a lack of funding the activity is currently on hold.

This report also contains an account of the test procedures and presentations that were produced for the program activities conducted in 2002-03.