### Regression Coefficients and Equations used to Develop the Winter 2012-13 Aircraft Ground Deicing Holdover Time Tables

Regression data was generated for the two generic Type I HOT tables, eight Type II fluid-specific tables, one Type III fluid-specific table, and thirteen Type IV fluid-specific tables. In addition, regression data was required for Clariant Safewing MP II 1951 and the grandfathered fluid data set in support of the generic Type II HOT Table. The data was predominantly obtained from holdover time testing conducted over the winters of 1996-97 to 2011-12. Much of the data had been documented in a previous Transport Canada report and was therefore collected from that report. Additional data was collected from the results of holdover time testing conducted in the winter of 2011-12.

A table of lowest usable precipitation rates for snow was added to the regression publication for 2012-13. These are the lowest precipitation rates for which sufficient outdoor snow data exists to support use of the regression coefficients. Values were determined through examination of the robustness of existing snow data sets.

It is recommended both regression information publications be updated in one year to reflect any changes made to the holdover time guidelines for the winter of 2013-14.