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Icing Technology Bibliography

RATIONALE

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FOREWORD

AIR4015 was created by the Icing Technology Bibliography Panel of the SAE AC-9C Aircraft Icing Technology Subcommittee, with the assistance of Dr. Ken Korkan and his students, in 1987. The original WordPerfect files were provided to the FAA Technical Center, and converted to ASCII and RBASE, so that the bibliography could be included in the first edition of the FAA Aircraft Icing Handbook (AIHB), published March 1991. The FAA AIHB bibliography (Chapter 8) was updated in September 1993, and again in 1998, as part of the AIHB revision. A further update of the bibliography on the Electronic Aircraft Icing Handbook (EAIHB) website is anticipated in 2006 if sufficient resources are available.

The SAE AIR4015 document was revised in 1996 (Revision A) for reformatting purposes. There were no additions made to the reference list in this revision.

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1. SCOPE

This Icing Technology Bibliography is a compendium of references from the open literature that were published prior to the original 1987 issuance of the AIR, including both national and foreign sources. Due to the generality of the subject, and the difficulty of fully investigating every available source, the Bibliography in this document is not intended to be complete.

1.1 Purpose

The main purpose of the Icing Technology Bibliography is to present in one location all the significant documented icing work of various institutions and organizations throughout the world through 1986.

The principal sources for the bibliography are as follows:

- a. Bibliography of Unclassified National Research Council of Canada Aircraft Icing Reports and Publications.
- b. K. D. Korkan, "Compendium of Aircraft Anti-Ice/De-Ice/Ice References." Private Communication, Texas A & M University, College Station, Texas, 1983.
- c. U. H. Von Glahn, "Selected Bibliography of NACA-NASA Aircraft Icing Publications." NASA TM 81651, 1981.
- d. Maureen Wong, Reference Dept., National Research Council, Ottawa, Canada.
- e. R. J. Shaw, "Report Bibliography for Icing Research Office." Private Communication, NASA Lewis Research Center, Cleveland, Ohio, May 1985.
- f. J. B. Werner, "Ice Protection Investigation for Advanced Rotary Wing Aircraft." Bibliography prepared under Contract DAAJO2-72-0054, USAAMRDL Technical Report 73-38, Lockheed-California Company, Burbank, California, August 1973.
- g. Dowty Rotol Limited, Gloucester, England.
- h. As provided by the members of the Aircraft Icing Technology Subcommittee.

Although other principal sources do exist with regards to icing references such as the Defense Documentation Center (DDC) and the National Technical Information Service (NTIS), this document complements these types of sources by supplying information regarding the initial search by sub-topics, appropriate key words, and documents possibly not contained in these sources.

The Icing Bibliography, consisting of approximately 2000 references, is subdivided into 26 different categories according to subject and/or title, and is organized in such a way that a single reference may result in multiple categorization. Within the subtopics, no order as to year or alphabetical author stack has been provided.

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