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March 7, 2005

Federal Aviation Administration
800 Independence Avenue, SW
Washington, D.C. 20591

Attention: Mr. Nicholas Sabatini, Associate Administrator for Aviation Safety

Subject: ARAC Tasking, Ice Protection Harmonization Working Group, Federal Register, December 8, 1997.

Reference Letter: TAEIG to FAA, same subject, dated November 4, 2005 (attached).

Dear Nick,

The reference letter from TAEIG transmitted the Ice Protection Harmonization Working Group Report on Task 2 relating to SLD and ice crystal environments. Minor revisions have been made to the report as outlined in revision tracking sheet of the report and the report is being resubmitted to the FAA as Revision A.

The reference letter also indicated that the IPHWG would be providing recommendations for future research into analytical tools and test techniques relating to SLD and ice crystals. These recommendations are also attached. As stated in the reference letter, TAEIG strongly endorses the recommendation for continued research.

Sincerely,

Craig R. Bolt

C. R. Bolt
Assistant Chair, TAEIG

Copy: Dionne Krebs – FAA-NWR
Mike Kaszycki – FAA-NWR
John Linsenmeyer – FAA-Washington, D.C., ARM-207
Jim Hoppins – Cessna
TAEIG Distribution List



November 4, 2005

Federal Aviation Administration
800 Independence Avenue, SW
Washington, D.C. 20591

Attention: Mr. Nicholas Sabatini, Associate Administrator for Aviation Safety

Subject: ARAC Tasking, Ice Protection Harmonization Working Group, Federal Register, December 8, 1997

Dear Nick,

The Transport Airplane and Engines Issues Group is pleased to forward the attached report from the Ice Protection Harmonization Working Group as an ARAC recommendation. The report addresses Task 2 of the reference tasking statement and provides recommended regulatory and advisory material changes relating to SLD and ice crystal environments. The package has been prepared with the support of the Flight Test HWG, the Powerplant Installation HWG and the Engine HWG and would affect 14 CFR 25 and 14 CFR 33. The Working Group did not obtain consensus on all aspects of the report. The minority and majority views are fully documented in the submittal.

The IPHWG notes that the maturity level of analytical tools and test techniques to address the SLD and ice crystal environment are lacking in many aspects, particularly compared with the analytical and test techniques available to address compliance demonstrations for the existing Appendix C icing envelope. Accordingly, the IPHWG strongly recommends that the FAA and NASA continue to fund efforts for development and validation of icing simulation methods (analytical and testing). The IPHWG will be providing the FAA a recommended roadmap for this research effort by the end of 2005.

TAEIG strongly endorses the recommendation for continued research while the ARAC recommendation progresses through the rulemaking process. TAEIG believes this will be critical in order to assure a viable and effective means of compliance at the time the rule is promulgated. TAEIG requests that prior to issuance of an NPRM on this subject, that a Phase 4 review be conducted with the IPHWG. This review is needed to ensure maximum linkage to the progress made in the proposed research activity to the actual NPRM.

TAEIG would like to commend the working groups involved for their outstanding effort on this very challenging topic.

Sincerely yours,



C. R. Bolt
Assistant Chair, TAEIG

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