Dear Mr. Mahone:

We request that SAE task the A-4 Subcommittee to revise AS8006 to incorporate the proposed changes recommended by the EUROCAE Working Group 89 (WG-89) effort. This will include changes to the environmental test conditions (e.g. vibration, sand & dust, etc...) and significant changes to the icing test conditions by incorporation of AS5562 being developed by the SAE AC-9C. AS5562 includes test conditions for ice and rain.

- The SAE A-4 committee should coordinate with the SAE AC-9C committee to revise AS8006 to incorporate AS5562 as required to define the test conditions and pass/fail requirements for Pitot and Pitot-Static probe performance in ice and rain conditions.

Accomplishing the above task will support the FAA in its effort to publish a revision to Technical Standard Order (TSO) C16a “Electrically Heated Pitot and Pitot-Static Tubes”, dated October 12, 2006.

The intent is for the FAA and EASA to update and harmonize TSO-C16 and ETSO – C16. SAE and EUROCAE have agreed to harmonize this effort and members of SAE have played an integral part in WG-89. Proposed changes to AS8006 will be included in the final report of the EUROCAE WG-89 effort. It is envisioned that the revised AS8006 will incorporate by reference the ice and rain standard for Pitot and Pitot-Static probes being developed by the SAE AC-9C. This document, AS5562, is being harmonized with the WG-89 effort. As this effort is time sensitive, it will be proposed that the SAE members on the WG-89 develop and propose the revision to AS8006 to the A-4 Subcommittee membership. This will allow the proposal to be harmonized with the
EUROCAE effort and thus the ETSO revision with a minimal expenditure of time and effort.

The FAA plans to work closely with SAE and international industry and certification authorities to support this effort and provide technical expertise. If you have any questions or require assistance, please contact Robert Busto, at (316) 946-4157.

Sincerely,

[Signature]

David W. Hempe  
Manager, Aircraft Engineering Division  
Aircraft Certification Service  

Enclosure
SAE Task Request (STR) Form

1. STR Date: September 12, 2011

2. This STR is for (Choose one):
   - developing a new SAE document
   - revising an existing SAE document
   SAE doc. no.: AS8006

3. Task Request:
   Task the A-4 Subcommittee to revise AS8006 to incorporate the proposed changes recommended by the EUROCAE Working Group 89 (WG-89) effort. This will include changes to the icing conditions by incorporation of AS5562 being developed by the SAE AC-9C.
   AS5562 includes test conditions for ice and rain.

4. Objectives for the use of the SAE Document:
   This document will be used in support of a revision to TSO C-16.

5. Other Considerations:
   The intent is for the FAA and EASA to update and harmonize TSO-C16 and ETSO –C16.
   SAE and EUROCAE have agreed to harmonize this effort and members of SAE have played an integral part in WG-89. Proposed changes to AS8006 will be included in the final report of the EUROCAE WG-89 effort. It is envisioned that the revised AS8006 will incorporate by reference the ice and rain standard for Pitot and Pitot-Static probes being developed by the SAE AC-9C.
   This document, AS5562, is being harmonized with the WG-89 effort. As this effort is time sensitive, it will be proposed that the SAE members on the WG-89 develop and propose the revision to AS8006 to the A-4 Subcommittee membership. This will allow the proposal to be harmonized with the EUROCAE effort and thus the ETSO revision with a minimal expenditure of time and effort. The members of the SAE on the WG-89 are as follows:
   - Pat Moynihan, A-4 member
   - Bob Busto, AC-9C member

6. Termination of the STR:
   This STR will terminate upon publication of the requested SAE Document

7. Primary FAA Point of Contact (POC) for this STR: Bob Busto, ACE-102W supporting AIR-120

8. Other FAA POC’s supporting this STR: Jan Risheim, AIR-120

Approved By: [Signature]  Date of Approval: 9/21/2011
Carol Martineau, Manager
Technical Programs & Continued Airworthiness Branch

Approved By: [Signature]  Date of Approval: 9/23/11
David W. Hempe, Manager
Aircraft Engineering Division

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