

**SAE G-12 ADF Subcommittee Meeting
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AS5901 Standard

Revision 'C'

**Marc Mario Tremblay
Sponsor, AMS AS5901**



Laboratoire international
des matériaux antigivre

LIMA  **AMIL**

Anti-icing Materials
International Laboratory

AS5901 Standard

Water Spray and High Humidity Endurance Test Methods

for

SAE AMS 1424 and SAE AMS 1428 Aircraft De-icing/Anti-icing Fluids

Current Standard - AS5901B

AS5901B

Published December 2010

Available on SAE Website

Next Revision AS5901 C

2012



**Still in Process
to Collect Suggestions
for Changes**

AS5901 - Next revision C

Some Minor Editorial Changes

3.2 Water Spray Endurance Test

This test involves pouring the unchilled fluid onto an **10°** inclined test plate at $-5.0\text{ °C} \pm 0.5\text{ °C}$ ($23\text{ °F} \pm 1\text{ °F}$) and ...

4.2.1 Water Spray Endurance Test (WSET) Chamber

d. The water spray shall impinge on the surface of the test plate in the form of water droplets, which freeze on impact when both air and test plate temperatures are at $-5.0\text{ °C} \pm 0.5\text{ °C}$ ($23\text{ °F} \pm 1\text{ °F}$).

6.6 Report

g. Print out showing the temperature of the test chamber, and test plate; and for the high humidity test a print out showing the relative humidity (**%RH**) for the duration of the tests.

AS5901 - Next revision C

Some Potential Changes

- ✓ **Review the Icing Intensity Measurement Indirect Method**

5.4.2.2 Indirect Method

Mark the 10 cm x 30 cm test panels with lines at the 10 and 20 cm points. On completion of test, **scrape the ice from each third in turn and weigh it.**

Question :

Is this method reliable ?

- **AMIL will be doing comparative test vs Direct Method, results will be presented**

AS5901C - Ballot

**Ballot of Revision C
planned for
end 2013**

AS5901 Next revision C

Suggestions for the next revision ?

Contact me

Marc Mario Tremblay AMIL

1-418-545-5011 (2155)

Cell : 1-418-817-5502

mmtrembl@uqac.ca