

SAE G-12 Fluids Subcommittee
Montréal, November 2007

AS5901
Standard
Update

Marc Mario Tremblay – AS5901 Sponsor



Laboratoire international
des matériaux antigivre

LIMA  **AMIL**

Anti-icing Materials
International Laboratory

AS5901 Background

Water Spray and High Humidity Endurance Test Methods

for

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

San Diego May 2007

**AS5901 published for
the first time
in February, 2003**

- Needed to be revised -

AS5901 Proposed Revisions

AS5901 Revision Highlights

EDITORIAL CHANGES

- **Uniformization of unit expression**
 - ✓ Harmonize with SAE Aerospace Technical Style Manual

- **Splitting**
WSET and HHET test chamber descriptions
 - ✓ In order to add precisions and/or clarifications

AS5901 Revision Highlights (Cont.)

OTHER MAIN CHANGES

- **Add 10% slush as a failure mode**
 - ✓ Approved in 2004, SAE Montréal Meeting

- **More than 80% as HHET RH requirement**
 - ✓ Provided that the icing intensity = 0.30 g/dm²/h

- **Test plate surface roughness : $\leq 0.5 \mu\text{m Ra}$**
 - ✓ Was included in AMS1428 (2002) and ARP5485 (2004)

Since G-12 Meeting in San Diego

- **Questions and comments**
- **Discussions**
- **Suggestions were added to the AS5901A draft document**

AS5901A ballot

**Revision “A”
was submitted
for ballot**

2007 October 24th

AS5901A ballot responses at this time

Approve	Disapprove	Waive	Participation /39
11	0	8	19
28.2 %	0 %	20.5 %	48.7 %

AS5901A Ballot Summary

**is still
in progress**

Due : 2007 November 20th

Please vote promptly !!

Special thanks

**Thank you
to all of those
who helped me in this issue**