

**SAE G-12 Fluids Subcommittee Meeting  
Montreal, October 2013**

***AS5901 Standard  
Update  
Potential Changes***

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# AS5901 Update

**Water Spray and High Humidity  
Endurance Test Methods  
for  
AMS 1424 & 1428 Aircraft  
De/Anti-icing Fluids**

# AS5901 Update

- ✓ **Version B remains the active document**
- ✓ **Published in December 2010**
- ✓ **2011-2013 : worked on some potential changes**
- ✓ **The next ballot (Version C) will probably be held in early 2014**

# AS5901 - Next Revision

- **Proposed some minor editorial changes**
  - Adding some missing information**
  - Uniformisation of unit expression**
  - General improvement of the wording**

# AS5901 - Next Revision

## **Main Proposed Change : Remove the section 5.4.2.2 Icing Intensity Measurement - Indirect Method**

**At New-Orleans Meeting, May 2013**

**A quick vote of hands showed most folks agreed with dropping this test; Method is not reliable and not accurate**

### 5.4.2 Icing Intensity Measurement

There are two ways to assess the ice catch. In either case the ice catch on each 10 cm x 10 cm section shall correspond to  $5.0 \text{ g} \pm 0.2 \text{ g}$  for each hour of the WSET test and  $0.30 \text{ g/h} \pm 0.05 \text{ g/h}$  in the HHET test. Performing not less than two successive test runs shall check the degree of repeatability. The same performance limits must be achieved in each run. This calibration shall be run at least once every six months or whenever a piece of equipment is repaired or replaced.

#### ~~5.4.2.1 Direct Method~~

~~Use three panels, each 10 cm x 10 cm in place of each 10 cm x 30 cm test plate. This is the preferred method, since the pre-weighed panel can be weighed on completion of test and the difference in the recorded weights is the ice catch.~~

#### ~~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. The disadvantage with this method is the possibility of damaging the polished surface of the test panel.~~

## **AS5901 - Next Ballot**

**Next AS5901 ballot  
scheduled in  
early 2014**

**Suggestions for the next revision ?  
Contact me**

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