



TERMS OF REFERENCE

Task Nr: MDM.054
Issue: 1
Date: 20 May 2009
Regulatory reference: Decision No. 2003/19/RM¹
Reference documents: A-NPA 2007-11² and associated CRD

1. Subject: De-icing/Anti-icing AMC and GM following A-NPA 2007-11

2. Problem / Statement of issue and justification; reason for regulatory evolution (regulatory tasks):

A large number of events of stiff or frozen flight control systems have been reported, particularly on aircraft with non-powered flight control systems. These events were attributed to the re-hydration and subsequent freezing of the residues of thickened anti-icing fluids previously applied to the aircraft.

As response to safety concerns raised by UK Air Accidents Investigation Branch (AAIB) and German Bundesstelle für Flugunfalluntersuchung (BFU) after specific investigations on occurrences associated with the existence of residues of de-icing and anti-icing fluids, the Agency created a rulemaking task (MDM.040) that led to an advanced notice of proposed amendment (A-NPA) number 2007-11³. This A-NPA and the associated CRD⁴ identified the need for rulemaking activities in relation to future expected EASA's scope of responsibility (implementing rules for air operations and safety of aerodromes) and existing rules in the field of maintenance and continuing airworthiness.

Although the A-NPA text already contained a proposal to amend Annex I and II of Decision No. 2003/19/RM and comments to the proposed text were received during the CRD process for this A-NPA, EASA was asked by SSCC and AGNA members to follow the standard rulemaking process and consequently formally publish a NPA in order to allow stakeholders to comment on the rule proposal. Consequently task MDM.054, addressing changes to Decision No. 2003/19/RM in the above mentioned subject, was added to the Rulemaking programme, in order to deal faster with continuing airworthiness rule amendments while for other rules, change proposals on the subject shall remain under task MDM.040.

¹ Decision No 2003/19/RM of the Executive Director of the Agency of 28 November 2003 on acceptable means of compliance and guidance material to Commission Regulation (EC) No 2042/2003 of 20 November 2003 on the continuing airworthiness of aircraft and aeronautical products, parts and appliances, and on the approval of organisations and personnel involved in these tasks

² Advance-notice of proposed amendment (A-NPA) No 2007-11, possible course of action for EASA to address the issue of residue that can result from application of de-icing/anti-icing fluids.

³ See: http://www.easa.europa.eu/ws_prod/r/doc/NPA/A-NPA-2007-11.pdf

⁴ See: http://www.easa.europa.eu/ws_prod/r/doc/CRD%202007-11.pdf

3. Objective:

Amend Decision No. 2003/19/RM in order to address the following issues:

- To update relevant paragraphs in relation to the management of the continuing airworthiness and maintenance activities (such as maintenance programme based on TC holder considerations and operations, reliability programme, training of personnel, ...) when potentially affected by de-icing / anti-icing operations and the build up of related residues.
- To identify as a continuing airworthiness task the decision whether a maintenance inspection and/or elimination of residues after the use of de-icing and anti-icing fluids is necessary, taking into consideration details of previous on-ground operations, weather conditions and instructions produced by the aircraft manufacturer or the fluid manufacturers or any other data relevant for the decision making process.
- To provide guidance for the inspection and elimination of fluid residues as a maintenance activity and therefore require the development of appropriate procedures by the maintenance organisation performing such activities, including training and competence of the staff concerned.
- To establish guidance material, if necessary, for the competent authorities in order to properly monitor the accomplishment of above provisions.

4. Specific tasks and interface issues (Deliverables):

The content of the proposed rule change should be in agreement with rule change proposals corresponding to task MDM.040.

5. Working Methods (in addition to the applicable Agency procedures):

Agency

6. Time scale, milestones:

Start: 2009/Q1

NPA: 2009/Q2

CRD: 2009/Q4

Opinion: 2010/Q2