



AEROSPACE RECOMMENDED PRACTICE

ARP5646™

REV. A

Issued 2008-08
Cancelled 2019-06

Superseded by AS6332

Quality Program Guidelines
for Deicing/Anti-Icing of Aircraft on the Ground

RATIONALE

The document is fully replaced by AS6332.

CANCELLATION NOTICE

This Technical Report has been declared "CANCELLED" as of June 2019 and has been superseded by AS6332. By this action, this document will remain listed in the respective index, if applicable. Cancelled Technical Reports are available from SAE.

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FOREWORD

The purpose of this document is to provide quality assurance guidelines and a means of recording the results of audits. These audits will promote corrective actions when required so that deicing/anti-icing of aircraft on the ground is accomplished in acceptance with the operator's approved program and to verify its effectiveness relative to ARP5149 and ARP4737.

To verify the effectiveness of deicing/anti-icing of Aircraft on the Ground, the Quality Program should include both auditing and inspection processes and procedures.

Auditing is the measurement of a Program for deicing/anti-icing of Aircraft on the Ground against the operator's set standard. The inspection process validates the components of a Ground Deicing/Anti-icing Program and can be utilized by e.g. airline operators, regulators, and other deicing operation stakeholders. It is recommended that the audit is performed by an auditor who has experience and knowledge in the field of deicing/anti-icing of aircraft on the ground.

Any findings from the Quality Assurance process will be used to focus management's attention on areas of concern.

The scope of this document is to address all applicable documents and to consolidate all airline operator's and regulatory requirements.

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1. SCOPE

The scope of the Quality Program Guidelines, in the format of a checklist, is to help ensure compliance with the current documents as listed in §2 “Applicable Documents” that meet Airline Operator’s and regulatory requirements. It is the responsibility of all other personnel that performs the deicing/anti-icing task to adhere to these requirements.

2. APPLICABLE DOCUMENTS

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

ARP1971	Aircraft Deicing Vehicle - Self-Propelled, Large and Small Capacity
ARP4737	Aircraft Deicing/Anti-icing Methods
ARP5149	Training Program Guidelines for Deicing/Anti-icing of Aircraft on Ground
AMS1424	Deicing/Anti-Icing Fluid, Aircraft, SAE Type I
AMS1428	Fluid, Aircraft Deicing/Anti-Icing, Non-Newtonian (Pseudoplastic), SAE Types II, III, and IV

2.2 ISO Publications

Available from International Organization for Standardization, 1, rue de Varembe, Case postale 56, CH-1211 Geneva 20, Switzerland, Tel: +41-22-749-01-11, www.iso.org.

ISO 11075	Aerospace - Aircraft de-icing/anti-icing Newtonian fluids, ISO type I
ISO 11076	Aerospace - Aircraft de-icing/anti-icing methods with fluids
ISO 11077	Aerospace - Self-propelled de-icing/anti-icing vehicles - Functional requirements
ISO 11078	Aerospace - Aircraft de-icing/anti-icing non-Newtonian fluids, ISO type II

2.3 AEA Recommendations for De-Icing/Anti-Icing of Aircraft on the Ground

Available from www.aea.be

3. AUDIT DATA

Station Name:

Date of Audit:

Airport Name:

Name of Auditor:

Country:

Company of Auditor:

Inspection:

Initial: ☐

Annual: ☐

Follow-Up: ☐

Other: ☐

Date of original inspection:
Reason for follow-up:

Name of Company:

Name of responsible Manager:

Street:

ZIP Code:

State:

Department:

Phone:

Facsimile:

SITA:

E-Mail:

Company:

Airline: ☐

Ground Handling: ☐

Airport: ☐

Other: ☐

Regulation/approved program/approved standard under what the company performs Deicing/Anti-icing of Aircraft on Ground:

ARP4737 ☐ AEA Recommendations ☐ ISO 11076 ☐ Other: ☐ Specify:

Start date of Services available:

End date of Service available:

