

Element Performance Inspection (EPI) 1.3.18 De-Icing Program (AW)

Purpose of this Element (Air Carrier's responsibility):

To assure Air Carrier's aircraft are properly De-Iced/Anti-Iced prior to departure.

Objective (FAA responsibility):

To assure the Air Carrier is following its approved De-Icing / Anti-Icing Program policies and procedures.

Specific Instructions for this EPI:

To accomplish this EPI, the inspector shall ensure the Air Carrier follows its policies and procedures for De-Icing / Anti-Icing. The inspector shall ensure that the aircraft has been properly De-Iced/Anti-Iced by trained and qualified personnel.

The EPI should be accomplished at various locations where the Air Carrier De-Ices/Anti-Ices its aircraft.

Task 6. "De-Icing / Anti-Icing Program records" should include holdover time, deicing fluid type, outsourcing, De-Icing/Anti-Icing equipment, etc.

Question 2. Examples of De-Icing / Anti-Icing Program procedures:

- *The Air Carrier provided current copies De-Icing / Anti-Icing policies and procedures to servicing personnel.*
- *Servicing personnel were trained on the Air Carrier's De-Icing / Anti-Icing policies and procedures.*
- *Servicing personnel used the Air Carrier's approved terminology to inform flight crewmembers the time De-Icing/Anti-Icing began, the type of De-Icing/Anti-Icing fluid used, and the status of the aircraft upon completion of the De-Icing/Anti-Icing process.*

Question 3. Examples of De-Icing / Anti-Icing Program controls:

- *The Air Carrier ensured that De-Icing/Anti-Icing equipment is properly maintained in accordance with the Air Carrier's policies and procedures.*
- *The Air Carrier ensured that De-Icing/Anti-Icing fluid is properly maintained and tested in accordance with the Air Carrier's policies and procedures.*

Related EPIs:

- 1.2.1 Airworthiness Release / Logbook Entry (AW)
- 1.3.8 Control of Calibrated Tools and Test Equipment (AW)
- 1.3.14 General Maintenance Manual / Equivalent (AW)
- 2.1.1 Manual Currency (AW / OP)
- 2.1.2 Content Consistency Across Manuals (AW / OP)
- 2.1.3 Distribution (Manuals) (AW / OP)
- 2.1.4 Availability (Manuals) (AW / OP)
- 4.2.1 Maintenance Training Requirements (AW)
- 5.1.1 Line Stations (AW)

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1.3.18 De-Icing Program

To meet this objective, the inspector will accomplish the following tasks (at the inspection locations where applicable):

1. Review the FAA Guidance and Specific Regulatory Requirements (SRR) included in the supplemental information section of this EPI.
2. Review the associated SAI, with emphasis on the Controls Attribute section.
3. Review the De-Icing / Anti-Icing Program Program policies and procedures.
4. Discuss the De-Icing / Anti-Icing Program with the appropriate personnel.
5. Observe and assess the results of the De-Icing / Anti-Icing Program Program.
6. Review and assess the records of the De-Icing / Anti-Icing Program Program.

To meet this objective, the inspector will answer the following questions:

1. Was the following performance measure met:

| | | |
|---|------------------------------|------------------------|
| <i>1.1 The Air Carrier and/or its vendors properly De-Iced/Anti-Iced the aircraft prior to takeoff.</i> | <input type="checkbox"/> YES | If no, explain: |
| | <input type="checkbox"/> NO | |
| 2. Were the Air Carrier's the De-Icing / Anti-Icing Program procedures followed? | <input type="checkbox"/> YES | If no, explain: |
| | <input type="checkbox"/> NO | |
| 3. Were the Air Carrier's the De-Icing / Anti-Icing Program controls followed? | <input type="checkbox"/> YES | If no, explain: |
| | <input type="checkbox"/> NO | |
| 4. Did the Air Carrier's records comply with the De-Icing / Anti-Icing Program policies and procedures? | <input type="checkbox"/> YES | If no, explain: |
| | <input type="checkbox"/> NO | |
| 5. <Deleted> | | |

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SUPPLEMENTAL INFORMATION

SRRs:

- 14 CFR 121.629 (c), “Operating in icing conditions.”

Other CFRs and FAA Guidance:

- 14 CFR 121.629 (d), “Operation in icing conditions.”
- FAA Order 8300.10, Vol.2, Chap.4, “Evaluate An Operator’s Deicing/Anti-icing Program.”
- FAA Order 8300.10, Vol.2, Chap.221, “Conduct Evaluation of Operator/Applicant’s Maintenance Facility.”
- FAA Order 8300.10, Vol.3, Chap.131, “Inspect Operator’s Maintenance Facility.”
- FAA Order 8400.10, Vol.4, Chap.8, “Ground Deicing/Anti-icing programs”
- FAA Order 8400.10, Vol.6, Chap.2, Sect.10, “Ground Deicing/Anti-icing Inspections.”
- FSAT 97-10B, “FAA-Approved Deicing Program Updates.”, as amended.
- FSAT 96-14, “Operations During Freezing Drizzle and Light Freezing Rain.”
- FSAW 97-22, “Important Safety Information Advisory on Dilutions of UCAR Aircraft Deicing/Anti-icing Fluid ULTRA+.”
- Refer to Advisory Circulars using a search engine (such as ATP Navigator or Summit).