



SPECIFIC AIRWORTHINESS SPECIFICATION

NO. EASA.SAS.A.102

**Aircraft modified for hail prevention
as specified in Section I**

This Specific Airworthiness Specification is issued in accordance with Regulation (EC) 216/2008 Article 20(1)(b) and Regulation (EU) 748/2012 Part 21, paragraph 21A.173 for the purposes of the issue of a **restricted category certificate of airworthiness**.



CONTENT

SECTION 1: Aircraft Design Definition

The certification basis:

(1)

| # | Model | Type Certificate Data Sheet Baseline | EASA approval |
|---|----------------------------------|---|---------------|
| 1 | Textron Aviation Cessna F150L | US A13EU | 10059882 |
| 2 | Textron Aviation Cessna T182T | EASA.IM.A.052 | 10069983 |
| 3 | Textron Aviation Cessna 182Q | US 3A13 | 10076977 |

- (2) National Austrian approval for hail prevention system:
Initial approval Nr. OE-DLS/20-6/93 Dated 15 April 1993
This approval is grandfathered by EASA under Regulation (EU) 748/2012 Article 3 Paragraph 1(a).
- (3) The essential requirements for airworthiness according to Annex II of Regulation (EU) 2018/1139 cannot be fulfilled due to the fact, that the environment, this installation is intended to be used in, is not envisioned by the existing certification specifications (e.g. lightning strike, hail, turbulence in the vicinity of active thunderstorm clouds, use of pyrotechnical equipment, et.al.).
Thus, this installation will require a Restricted Certificate of Airworthiness.

SECTION 2: Airworthiness Directives

All Airworthiness Directives applicable to the baseline aircraft and its components apply.

SECTION 3: Occurrence Reporting

The Specific Airworthiness Specification may be used as a basis for the issue of a Restricted Certificate of Airworthiness in accordance with 21A.173 (b)(2) under the following conditions:

- a) The holder of a Restricted Certificate of Airworthiness based on this Specific Airworthiness Specification shall report to the EASA all information related to occurrences associated with the operation of the aircraft, which affects or could affect the safety of operation¹.
- b) Such reports shall be despatched within 72 hours of the time when the occurrence was identified unless exceptional circumstances prevent this.

¹ AMC 20-8 contains guidance describing the occurrences which are to be reported



- c) Reports shall be made as soon as practicable, but in any case within 72 hours by using the reporting tool at <http://www.aviationreporting.eu/>
Please select "EASA" when being asked to select the State to report to.

SECTION 4: Other Limitations

1. With hail prevention equipment fitted, this aircraft is limited to specialised operations in accordance with Regulation (EU) 965/2012.
2. The applicability of this SAS is limited to:

| # | Model | Type Certificate Data Sheet | Serial Number | EASA approval |
|---|-------------------------------|-----------------------------|---------------|---------------|
| 1 | Textron Aviation Cessna F150L | US A13EU | F150-0905 | 10059882 |
| 2 | Textron Aviation Cessna T182T | EASA.IM.A.052 | T182-08081 | 10069983 |
| 3 | Textron Aviation Cessna 182Q | US 3A13 | 182-66538 | 10076977 |

3. Applicable Aircraft Flight- and Maintenance Manual Supplements

| # | Model | Aircraft Flight Manual Supplement | Maintenance Manual Supplement |
|---|-------------------------------|--|---|
| 1 | Textron Aviation Cessna F150L | Supplement to the Cessna Model F 150 L Owner's Manual, Hail defense flights. Revision 0, Doc. SDF-SFM-OECGO, Issue 5.2.2016 | Maintenance Instruction for Continued Airworthiness Cessna F 150 L S/N F150-0905 revision 0, Date 15.3.2016 Doc. SDF-TEC-OECGO001 |
| 2 | Textron Aviation Cessna T182T | Anhang zum Flughandbuch Cessna T 182 T für PH-PAZ Seriennummer T182-08081 für die Einsatzart Hagelabwehr und Flüge mit eingebauter Hagelabwehrausrüstung, Rev.00 10.Mai.2019 | FK AVIATION, Frank Kasperek, Installations- und Wartungsanweisung, AgJ Anlage“, Rev. 00 vom 10.05.2019 |
| 3 | Textron Aviation Cessna 182Q | Anhang zum Flughandbuch zur Durchführung von Hagelabwehrflügen für OE-DAB Cessna 182 Q S/N: 182-66538 Ausgabe: April 2021 | Einbauanweisung und Wartungshandbuch AgJAnlage Mod. Reinisch, Ausgabe: April 2021 |

These supplements include maintenance, installation and operating instructions.

4. Transport of persons other than those required for the purpose of hail prevention or positioning is not permitted.
5. Operation is limited to DAY-VFR and with maximum two persons on board, including the pilot.

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