

Subject: Compliance with EASA AD No. 2017-0167 about FES aircraft.
 Modifications affect Fire Warning System, manuals, FES-batteries, FCU instrument and battery compartment cover.

Applicability: SILENT 2 ELECTRO, all serial numbers

Urgency: Mandatory

Reason: The safety of the FES-System, especially in regard of the FES batteries, is improved by the following modifications, explained in the document "FES improvements v1.0" by LZ Design:

- a) An additional Fire Warning System is installed, which gives independently from the FES-system a warning of a possible fire, when excessive temperature is detected in the battery compartment.
- b) In the Flight & Maintenance Manual the following changes are introduced:
 - description of the additionally introduced Fire Warning system.
 - amendments for the handling and transport of the FES-batteries outside of the aircraft.
 - other amendments and corrections.
- c) Among other things, the FES batteries are modified with a reinforced housing.
- d) A Pressure Release Valve is installed in the battery compartment cover.
- e) The warning messages displayed by the FCU instrument are improved.

Actions:

1. Installation of the Fire Warning System:
 The Fire Warning System must be installed according to the manual "FIRE WARNING SYSTEM Installation manual v1.2".
2. Revision of the Flight and Maintenance Manual Silent 2 Electro v. March-2018
 Exchange or additional insertion of flight manual pages:

Issue of Flight & Maintenance Manual	2015
Issue of revision pages	March 2018
Revision n.	1
Chapters:	Page Nr.
3.7	3.9
4.3	4.10
7-7.9	7.1, 7.24, 7.25
8.4	8.19
From 9.4.5 to 9.9	From pag. 9.14 to pag. 9.29

3. Modification of the FES-batteries
 The batteries are modified according the document "BATTERY BULLETIN 2018-01".
4. Modification of the battery compartment cover
 The battery compartment cover is modified according the manual "FIRE WARNING SYSTEM Installation manual v1.2"

5. Release update of the FCU instrument
The software of the FCU instrument is updated to issue 3.06, see manual "FES FCU INSTRUMENT manual v1.80", section "10.2 FCU update procedure".

Material and Drawings General Description: see "FES improvements v1.0" by LZ Design.

1. Installation of the Fire Warning System: see the manual "FIRE WARNING SYSTEM Installation manual v1.2" or above, by Alisport.
2. Revision of the Flight & Maintenance Manual, see the "Flight and Maintenance Manual Silent 2 Electro v. March 2018" on the modified pages.
3. Modification of the FES-batteries: see the report "BATTERY BULLETIN 2018-01".
4. Modification of the battery compartment cover: see the manual "FIRE WARNING SYSTEM Installation manual v1.2" or above, by Alisport.
5. Update of the FCU instrument: See "FES FCU INSTRUMENT manual v1.80" by LZ Design.

Weight & Balance: It is NOT necessary to perform a new Weight & Balance check.

Notes: Actions 1) & 3) shall only be done by the manufacturer of the system (LZ Design) or the manufacturer of the aircraft (Alisport), or by a repair station approved by Alisport for such work.

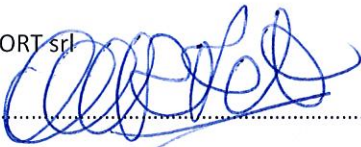
Action 2) must only be done by manufacturer of the system (LZ Design).

Action 4) must only be done by the manufacturer of the system (LZ Design) or the manufacturer of the aircraft (Alisport), or by a repair station approved by Alisport for such work.

Action 5) may be performed by the owner/operator of the aircraft himself or by Alisport or LZ Design.

Cremella, 09 March 2018

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