



ALLSTAR PZL GLIDER Ltd.

ul. Cieszyńska 325, 43-300 Bielsko-Biała, Poland
tel: +48 33 812 5021, fax: +48 33 812 3739
e-mail: office@szd.com.pl
EASA Approval No. AP 108

SERVICE BULLETIN
BE-012/55-1/2012

Allstar PZL Glider Considers Compliance Mandatory

EASA Approval No.: 10039816

MODELS AFFECTED: SZD-55-1, SZD-55-1XM

S/N AFFECTED: All S/N

SUBJECT:

1. Conditions of extension of service life for SZD-55-1 / SZD-55-1XM gliders up to 12 000 FH;
2. Revisions to the Chapter 3 of TSM (Periodic Works);
3. Revisions to the Flight Manual (FM).

TIME OF COMPLIANCE: After receiving of this Service Bulletin;

PREPARED BY:
Responsible for Type Design

M. KroczeK 23.05.2012

(signature, date)

Marian KroczeK, MSc. Eng.

ACCEPTED BY:
President of Allstar PZL Glider Ltd.

A. Papiorek 23.05.2012

(signature, date)

Andrzej Papiorek, MSc. Eng.



1. REASON OF ISSUING OF THIS BULLETIN

To extend the life-limit of an airframe of SZD-55-1 / SZD-55-1XM the Allstar PZL Glider (TCH) has completed the actions as follows:

- precise check of four gliders S/N 551193056, 551190005, 551191010 & 551192042, respectively after 2908, 3341, 2978 & 2963 FH TT (total time);
- fatigue characteristic of SZD-55-1 airframe structure;
- fatigue test of wing connection's node.

Based on the results of above the service life of SZD-55-1 and SZD-55-1XM gliders is being extended from 3 000 FH up to 12 000 FH. However, the additional following actions should be taken:

- introducing the standardized procedures for all gliders (all S/N) which include updated and detailed maintenance;
- updating of FM & TSM.

2. MODELS AFFECTED (EFFECTIVITY)

All S/N of SZD-55-1 & SZD-55-1XM.

3. ACCOMPLISHMENT INSTRUCTIONS

3.1. Terms of extension of the lifetime of the glider.

3.1.1. Periodic inspections every 1 500 FH, acc. to "Program and Results of Periodic Life-time Inspection", Issue II (App. No. 1 to TSM).

3.1.2. Positive results of the inspection after each 1 500 FH. Such inspection need to be carried on by a certified maintenance station.

User is obliged to circulate the results (see attached Form) to the TCH. TCH will validate the 1 500 FH inspection and extend the life-limit of the glider (from 3 000 FH upwards) for the next 1 500 FH.

The appropriate entry into „Overhaul Life Glider Certificate" (App. No. 2 to TSM) will be done.

3.1.3. The validation done by TCH does not apply to the first periodic inspection – after the first 1 500 FH.

3.2. Revisions to the Technical Service Manual.

3.2.1. SZD-55-1:

Introduce the Revision No. 4 into TSM, Iss. IV, dated August 1991,

- Replace App. No. 1 for TSM "Program and results of periodic inspection"



with the second edition of this App. "Program and Results of Periodic Life-time Inspection" – ref. to App. No. B1.

- Add App. No. 2 to TSM „Overhaul Life Glider Certificate” – ref. to App. No. B2.
- Replace the page 1b with page 1c in which there is written revision No. 4 – ref. to App. No. B3.
- Replace the page 22 (In glider Fact. No 551193056 pages 22/R-11/1 and 22/R-11/2) with page 22/1 – ref. To App. No. B3
- Add pages 22/2 and 22/3 in which, the content of item 3.3. "Maintenance work" has been modified. – ref. to App. No. B3.
- Replace the page 23b with the 23c in which, the content of item 3.4. „Schedule maintenance work" and item 3.5. „Allowed sailplane life-time" has been modified – ref. to App. No. B3.

3.2.2. For SZD-55-1XM glider:

Introduce the Revision No. 1 into TSM, Iss. I, dated July 1998,

- Replace App. No. 1 for TSM "Program and results of periodic inspection" with the second edition of this App. „Program and results of periodic life-time inspection" – ref. to App. No. B5.
- Add App. No. 2 to TSM „Overhaul Life Glider Certificate" – ref. to App. No. B6.
- Replace the page 1 with page 1a in which there is written revision No. 1 – ref. to App. No. B7.
- Replace the page 22 with page 22/1 – ref. To App. No. B7
- Add pages 22/2 and 22/3 in which, the content of item 3.3. "Maintenance work" has been modified. – ref. to App. No. B7.
- Replace the page 23 with the 23a in which, the content of item 3.4. „Schedule maintenance work" and item 3.5. „Allowed sailplane life-time" has been modified – ref. to App. No. B7.

3.3. Amendments to the Flight Manual.

3.3.1. For SZD-55-1 gliders:

Introduce the Revision No. 3 into FM, Iss. IV, dated November 1991.

- Replace the page 2b with page 2c in which there is written revision No. 3 – ref. to App. No. B4.
- Replace the page 15 with page 15a, in which there is change in note – ref. to App. No. B4.



3.3.2. For SZD-55-1XM glider:

Introduce the Revision No. 1. into FM, Iss. I, dated July 1998.

- Replace the page 2 with page 2a in which there is written revision No. 1 – ref. to App. No. B8.
- Replace the page 15 with page 15a, in which there is change in note – ref. to App. No. B8.

4. LIST OF APPENDIXES

4.1. For SZD-55-1:

App. No. B1 – “Program and Results of Periodic Life-time Inspection”, Issue II, App. No. 1 to TSM.

App. No. B2 – „Overhaul Life Glider Certificate”, App. No. 2 to FM.

App. No. B3 – New pages 1c, 22/1, 22/2, 22/3, 23c to FM.

App. No. B4 – New pages 2c, 15a to FM.

4.2. For SZD-55-1XM:

App. No. B5 – “Program and results of periodic life-time inspection”, Issue II, App. No. 1 to TSM.

App. No. B6 – „Overhaul Life Glider Certificate”, App. No. 2 to TSM.

App. No. B7 – New pages 1a, 22/1, 22/2, 22/3, 23a to TSM.

App. No. B8 – New pages 2a, 15a to FM.



5. FINAL CONCLUSIONS

- 5.1. Contact the Allstar PZL Glider (TCH) in case of deficiency of TSM repair procedures.
- 5.2. TCH will delivery the necessary parts / kit to repair after individual request only.
- 5.3. The cost of periodic life-time inspections and necessary repairs shall be taken by the User.
Payment will also be charged for the first statement done by TCH, regarding an extension of glider's life-limit.
- 5.4. Inspections already done after 1 500 FH, acc. to App. No. 1 of TSM "Program and Results of Periodic Inspection" introduced by SB BE/R-10/55-1/96, are considered to be sufficient to achieve 3 000 FH. No further 500 FH / 3 years inspections need to be carrying on.
- 5.5. For S/N 551193056:
 - 5.5.1. SB BE/R-11/55-1/2003 is to be cancelled.
 - 5.5.2. Inspections already done after 3 000 FH acc. to App. No. 1 of TSM, are considered to be sufficient to achieve 4 500 FH. No further 500 FH / 3 years inspections need to be carrying on.
- 5.6. For S/N 551193056, 551190005, 551191010 & 551192042 after 4 500 FH up the Users are obliged to circulate to TCH the documents as described in 3.1.2 of this SB.
- 5.7. This SB replaces the SB BE/R-10/55-1/96.

END