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MANDATORY
SERVICE
BULLETIN

MANDATORY SERVICE BULLETIN Z42/54a

Technical content of the document approved
on the basis of DOA Approval No. EASA.21J.110

„SAFETY RELATED“

1. **DATE:** February 15, 2007

2. **MODEL AFFECTED:** All Z 42M, Z 42MU aircraft.

3. **SUBJECT:**
 - 3.1 After the AMU1 Acceleration Monitoring Unit has been entered into operation on ZLIN aircraft of Z42 series, it has been found out that real intensity of acrobatic operation of some aircraft considerably exceeds original expectations that have been used for determination of operation limits. These aircraft exceed determined total limit load spectra and limit design acrobatic load spectrum.

Described condition can be even worsened by a performance of acrobatic maneuvers in Utility Category. From these reasons, to assure a safety, it is necessary reduce acrobatic maneuvers in Utility Category acc. to FAR Part §23.3 (b)(1) and (b)(2) to: spins, lazy eights, chandelles, and steep turns, or similar maneuvers, in which the angle of bank is more than 60 degrees but not more than 90 degrees.
 - 3.2 Airworthiness extension of Z 42M aircraft with Utility Category.

4. **CORRECTION:** Pertinent revision of accompanying technical documentation.

5. **TIME OF COMPLIANCE:** Immediately after receipt of this bulletin.

6. **PERFORMED BY:** Operator.

7. **COSTS COVERED BY:** Operator.

8. **PROCEDURES:**
 - a) Order new placard with design speeds at aircraft manufacturer and stick it on cockpit glass instead of the original one.

- b) In the Z 42MU Flight Manual, Czech version:
- remove old pages: 1-4; 2-8; 2-10; 2-11; 2-13; 6-12
 - insert new pages of the Revision dated November 24, 2006 (see enclosure)
 - note this revision into the Log of Revision

In the Z 42MU Flight Manual, English version:

- remove old pages: 1-4; 2-7; 2-9; 2-10; 2-12
- insert new pages of the Revision dated November 24, 2006 (see enclosure)
- record change performance into Revision Log

In the Z 42MU Flight Manual, German version:

- remove old pages: 1-4; 2-7; 2-9; 2-10; 2-12; 6-13
- insert new pages of the Revision dated November 24, 2006 (see enclosure)
- record change performance into Revision Log

- c) In the Z 42M Flight Manual, Czech version:
- remove old pages: 0-1; 1-4; 2-3; 2-7; 2-8; 2-9; 2-10; 5-3; 5-4; 5-5; 6-6; 6-7; 6-9; 6-12
 - insert new pages of the Revision dated November 24, 2006 (see enclosure)
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In the Z 42M Flight Manual, English version:

- remove old pages: 0-1; 1-4; 2-3; 2-7; 2-8; 2-9; 2-10; 5-3; 5-4; 5-5; 5-6; 6-7; 6-10; 6-12; 6-13
- insert new pages of the Revision dated November 24, 2006 (see enclosure)
- note this revision into the Log of revision

In the Z 42M Flight Manual, German version:

- remove old pages: 0-1; 1-4; 2-3; 2-7; 2-8; 2-9; 2-10; 5-3; 5-4; 5-5; 5-6; 6-7; 6-10; 6-13
- insert new pages of the Revision dated November 24, 2006 (see enclosure)
- note this revision into the Log of revision

9. **NECESSARY MATERIAL:** New pages of accompanying documentation (see enclosures).
New placard with design speeds.

10. **ENCLOSURE:** New pages of the Z 42MU Flight Manual, Czech version:
1-4; 2-8; 2-10; 2-11; 2-13; 6-12
New pages of the Z 42MU Flight Manual, English version:
1-4; 2-7; 2-9; 2-10; 2-12
New pages of the Z 42MU Flight Manual, German version:
1-4; 2-7; 2-9; 2-10; 2-12; 6-13

New pages of the Z 42M Flight Manual, Czech version:

0-1; 1-4; 2-3; 2-7; 2-8; 2-9; 2-10; 5-3; 5-4; 5-5; 6-6; 6-7; 6-9;
6-12

New pages of the Z 42M Flight Manual, English version:

0-1; 1-4; 2-3; 2-7; 2-8; 2-9; 2-10; 5-3; 5-4; 5-5; 5-6; 6-7; 6-10;
6-12; 6-13

New pages of the Z 42M Flight Manual, German version:

0-1; 1-4; 2-3; 2-7; 2-8; 2-9; 2-10; 5-3; 5-4; 5-5; 5-6; 6-7; 6-10;
6-13



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Chief Designer

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