



**ZLIN AIRCRAFT a.s.**  
Letiště 1578, 765 81 Otrokovice,  
Czech Republic  
e-mail: [zlin-service@zlinaircraft.eu](mailto:zlin-service@zlinaircraft.eu)  
<http://www.zlinaircraft.eu>

**MANDATORY**

**SERVICE  
BULLETIN**

**MANDATORY SERVICE BULLETIN Z143L/29a**

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 the Z 143L aircraft which are provided with the Flight Manual of Doc. No. 005.011 or 005.012.
3. **SUBJECT:**

After the AMU 1 Acceleration Monitoring Unit has been entered into operation on ZLIN aircraft of Z 42 and Z 43 series, it has been found out that intensity of acrobatic operation of some aircraft considerably exceeds original expectations that have been used for determination of operation limits. Some aircraft exceed determined total limit load spectra.

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 limit 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.
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 143L Flight Manual, Doc. No. 005.011 Czech version:
    - remove old pages: 0-1; 0-9; 0-15; 2-12; 2-13; 2-19
    - insert new pages of the Revision No. 11 dated November 24, 2006 (see enclosure)
    - note this revision into the Log of Revision

- c) In the Z 143L Flight Manual, Doc. No. 005.012 English version:
- remove old pages: 0-1; 0-9; 0-15; 2-13; 2-14; 2-20
  - insert new pages of the Revision No. 11 dated November 24, 2006 (see enclosure)
  - note this revision into the Log of Revision

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

10. **ENCLOSURE:** New pages of the Z 143L Flight Manual, Doc. No. 005.011  
Czech version:  
0-1; 0-9; 0-15; 2-12; 2-13; 2-19

New pages of the Z 143L Flight Manual, Doc. No. 005.012  
English version:  
0-1; 0-9; 0-15; 2-13; 2-14; 2-20



SIGNED:

.....

**Dušan Totek**  
Chief Designer

**Contact address:** ZLIN AIRCRAFT a.s.  
ZLIN Service  
765 81 Otrokovice  
Czech Republic