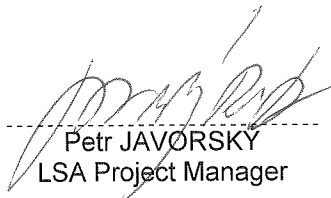




Issues

INFORMATIVE BULLETIN No. SPORTSTAR – 011 b

- 1. CONCERNING TO:** airplanes
- SportStar Plus (MTOW 575 kg, 1268 lb)
 - SportStar with wing integral fuel tanks (MTOW 550 kg, 1213 lb) operated in the USA and/or Australia, possibly in other countries, under the Light Sport Aircraft (LSA) category, whose owners want to increase maximum takeoff weight (shown in parentheses above) up to the LSA limit 600 kg (1320 lb).
- 2. REASON:** Following a requirement of the dealers, customers and users of the SportStar airplane to increase MTOW of this type up to the LSA MTOW limit, thereby increase useful load, a new load analysis and airframe strength check have been performed for MTOW 600 kg (1320 lb) in accordance with the US ASTM Consensus Standard F2245.
- 3. REQUIRED ACTION:** See Enclosure 1
- 4. LATEST DATE OF THE ACTION:** Only in case of the airplane owner's interest to increase MTOW to 600 kg (1320 lb).
- 5. ACTION CARRIED OUT BY:** Airplane owner
- 6. COSTS COVERED BY:** Airplane owner.
MTOW increase is charged; for amount contact the airplane manufacturer or local dealer.
- 7. NECESSARY MATERIAL:** SportStar 600 kg Package – See Enclosure 1
- 8. WORK PROCEDURE:** See Enclosure 1
- 9. ENCLOSURES:** Enclosure 1: Procedure to Increase MTOW of SportStar Airplane to 600 kg (1320 lb).
Enclosure 2: List of Documentation to Allow MTOW 600 kg
- 10. ELABORATED BY:** Petr Javorský, LSA Project Manager, Evektor-Aerotechnik a.s.
- 11. APPROVED BY:** Milan Mach, Commercial Director, Evektor-Aerotechnik a.s.



Petr JAVORSKY
LSA Project Manager

22.06.2009

Date:



Milan MACH
Commercial Director

22.06.2009

Date:



INFORMATIVE BULLETIN No. SPORTSTAR – 011 b

Enclosure 1 Procedure to Increase MTOW of SportStar Airplane to 600 kg (1320 lb).

1. Contact the airplane manufacturer or local dealer if interested to increase MTOW of your airplane. You will be informed on a fee for MTOW increase to 600 kg (1320 lb)

2. Provide the manufacturer / local dealer with the data as follows:

- Airplane type/model (SportStar Plus or SportStar with wing integral fuel tanks)
- Airplane serial number
- Airplane registration mark
- Airplane actual empty weight (due to a placard update)
- Nose wheel tire size
- Total hours flown and number of landings

Notice: the requirement to increase MTOW cannot be satisfied without providing these data.

3. The airplane manufacturer shall send to the airplane owner SportStar 600 kg Package, containing:

- A set of the vortex generators + Installation instructions to install them onto the wing (required for the USA only)

Note. Installation of the vortex generators is necessary to comply with the US stall speed limit VS1 45 KCAS at increased MTOW

- Information on a change of the airspeed indicator marking
- New stainless steel manufacturer placard (MTOW change)
- New AIRSPEED IAS placard (Change of maneuvering and stall speed)
- New LOAD LIMITS placard (MTOW change, permitted crew weight change)
- Revised pages of the Aircraft Operating Instructions
- Revised pages of the Aircraft Maintenance and Inspection Procedures
- Other required documents and information

4. The airplane owner shall perform or arrange for:

- Installation of the vortex generators onto the wing (Required for the USA, only)
- Airspeed indicator marking change
- Installation of a bigger tire on the nose wheel, of the same size as on the main wheels, (if such bigger tire is not already installed)
- Replacement of affected placards in the cockpit
- Replacement of stainless steel Manufacturer's placard
- Replacement of affected pages in the Aircraft Operating Instructions and Aircraft Maintenance and Inspection Procedures
- Record performance of this Bulletin into the Airplane Log Book (Performed Informative Bulletin No. SportStar 011b – MTOW increase to 600 kg / 1320 lb.

Notes:

There would be not necessary to apply for a new Airworthiness certificate because the airplane type or model is not affected.

The airplane manufacturer is ready to provide another documentation on the basis of which the MTOW increase was approved (analyses, reports, etc.) if required by a competent authority /person.



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Enclosure 2

List of Documentation to Allow MTOW 600 kg

- [1] EURO 083.08, *FLIGHT ENVELOPES, SPORTSTAR MAX* (mTOW = 600 kg 1320 lb), Jiří Vychopeň, EVEKTOR s.r.o., 3.12. 2008.
- [2] EURO 084.08, *WING LOAD CASES SPORTSTAR MAX* (mTOW = 600 kg 1320 lb), Jiří Vychopeň, EVEKTOR s.r.o., 10.12. 2008.
- [3] EURO 085.08, *WING CHECK, SPORTSTAR MAX* (mTOW = 600 kg 1320 lb) , Jiří Vychopeň, EVEKTOR s.r.o., 19.12. 2008.
- [4] EURO 087.08, *UNDERCARRIAGE LOAD CASES SPORTSTAR MAX* (mTOW = 600 kg 1320 lb), Jiří Vychopeň, EVEKTOR s.r.o., 19.12. 2008.
- [5] EURO 089.08, *PROOF OF STRENGTH OF THE DETAILS SPORTSTAR MAX* (mTOW = 600 kg 1320 lb), Jiří Vychopeň, EVEKTOR s.r.o., 15.12. 2008.
- [6] EURO 090.08, *PROOF OF STRUCTURE OF THE SPORTSTAR MAX AIRPLANE* (mTOW = 600 kg 1320 lb), Jiří Vychopeň, EVEKTOR s.r.o., 15.12. 2008.
- [7] Z-SP-04/2003 Rev.d, *SportStar Type Design*, Petr Javorský, Evektor-Aerotechnik a.s., 10.2.2009.
- [8] Z-SP-04/2008, *Report on Flight Tests of the Vortex Generators on the SportStar SL Airplane*, Petr Javorský, 25.11.2008