

Inspection Procedures For Increase of Service Time

1. General

The results of fatigue tests with wingspar sections have demonstrated that the service time of FRP gliders may be extended to 12000 hours, if for each individual glider (in addition to the obligatory annual inspections) the airworthiness is demonstrated according to a special multi-step inspection program, particularly with regard to the service life.

2. Dates

When the glider has reached a service time of 3000, 6000 and 9000 hours, an inspection must be done in accordance with the inspection program mentioned under point 3. If the results of this inspection are positive or if any defects found have duly been repaired, the service time of the glider is extended by 3000 hours.

The service time extension adds to the time the glider has flown before the inspection. In other words: The glider may only be operated, when within the last 3000 operational hours the glider was either built or its service time was successfully extended.

If service time was illegally exceeded, the service time extension adds to the recent permissible service time.

Details for a possible operation beyond 12000 hours will be defined on due course

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3. Inspection program

In each case, the latest issue of the inspection program has to be ordered from the manufacturer.

4. Qualification

The inspection must only be done by the manufacturer or by a licensed repair station or inspector.

5. Inspection test report

The results of the inspections have to be recorded in an inspection test report wherein comments are required for each inspection instruction. If the inspections are done outside the manufacturer's facilities, a copy of the report must be sent to the manufacturer for his evaluation and information. Upon receipt and review of the report, AS will certificate the receipt and send this to the owner immediately. Subsequently, the inspector can certificate the extension of service time according to the inspection program in the flight log and in the inspection records.

6. Annual inspections

This inspection program does not affect the annual inspection.

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