


- Subject:** Revision of the electric system of the power-plant in the fuselage
- Applicability:** ASW 27, TCDS. EASA.A.220, variant ASW27-18E, all serial numbers  
Implementation of Technical Note 4 of the ASW 27-18E is required
- Urgency:** optional modification, see *Notes*
- Classification:** Minor Change
- Reason:** Improvement of product in terms of:  
· Smaller voltage loss in the wiring to the electric spindle  
· Elimination of the intermittent retraction, introduced in TN 6, measure A1
- Action:** Wiring in the fuselage according to drawing 298.64.9002  
(replaces 298.64.9001)  
Installation of an electric spindle according to drawing 298.67.1005  
The power-plant instrument (made by ILEC) is updated to software version S2.00c.  
The following manual pages have to be exchanged against new ones with the revision status: TN7 / 01.03.10:  
Flight Manual: 2.6; 3.6, 3.7; 7.21; 7.23; 7.24, 7.25; 7.28  
Maintenance Manual: 2.48
- Material and Drawings:** Refer to *Action*
- Weight (mass) and Balance:** A new weighing has to be made. The Mass and Balance Form (Page 6.3 in the Flight Manual) and the data-placards in the cockpit have to be updated.
- Notes:** To retrofit an existing glider, a large part of the electric wiring and the electric spindle has to be replaced. Therefore this TN is normally not worth to retrofit. For this reason no software version for gliders without TN4 is provided.  
Concerning the software-versions of the power-plant instrument: Software from version S2.00 onwards are only suited for gliders with this TN implemented.  
For gliders without this TN implemented, software-versions with numbers S1.xx are applicable (latest version: S1.09).  
The structural measures may only be accomplished by the manufacturer Alexander Schleicher GmbH & Co.  
All actions are to be inspected by certifying staff according to Commission regulation (EC) 2042/2003 Part M / Part 66<sup>1</sup> in the scope of a modification, and have to be certified in the sailplane inspection documents and in the sailplane logbook. The change of the manual pages can be done by the operator of the sailplane himself. und must be entered on the page „Record of Revisions“ and in the „List of effective pages“.  
In countries outside the scope of EC 2042/2003 the corresponding national rules shall apply.

Poppenhausen, 08.10.2011

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This modification has been approved by the EASA at the date of the 21.10.2010 with the Minor Change Approval 10032260.

<sup>1</sup> Until such time as EC. 2042/2003 Part 66 specifies a requirement for certifying staff of aircraft other than aeroplanes and helicopters, the relevant Member State regulation shall apply. (§66.A.100).