



- Subject : TN64-LS: Manual revision, changed max. take-off weight and optional installation of winglets
- Effectivity type: LS1
variants: Instruction 1: LS1-0, LS1-a, LS1-b, LS1-c and LS1-d
Instruction 2 – 5: LS1-c and LS1-d
- Accomplishment : Instructions 1 and 2: up to 31.10.2023, latest if instruction 3 will be performed.
Instruction 3: Optional, only possible with LS1-c and LS1-d
Instructions 4 and 5: latest if instruction 3 will be performed
- Reason : Manual revision, especially correction of the sense of operation of the landing gear handle.
To improve gliding performance removable winglets have been designed. For the proof of compliance a new calculation of the wing strength with winglets was necessary. A max. TOW of 332 kg, VNE= 220 km/h and VA= 150 km/h and no water ballast was used for the calculations. These values are now valid for LS1-c with and without winglets and for LS1-d with winglets. For LS1-d without winglet installation the old limitation data remains unchanged.
- Instructions : 1. Manual revision: Exchange the following manual pages against new pages issued July 2023 marked with TN64-LS. Respect the marked changes.
Flight manual: Cover page, 0.1, 0.3, 0.4, 1.3, 1.5, 2.2 - 2.10, 4.1 - 4.12, 5.2, 6.1, 6.2, 7.5, 8.3
Maintenance manual: Cover page, 0.1, 0.3, 0.4, 1.3, 2.2 - 2.4, 3.3, 3.5, 5.2, 6.1 - 6.4, 9.1, 9.2, 10.7, 12.1
2. LS1-c and LS1-d: New data-placards shall be installed in the cockpit. Therefor print page 3 of this TN, favorably on self-adhesive white tape. Cut out and glue into cockpit, cover with clear tape.
Note: For LS1-d with instruction 3 not performed, the old limitation placard remains unchanged.
3. Installation of the option winglets according to working instruction for TN64-LS, only possible with LS1-c and LS1-d.
4. In case instruction 3 was performed, file a new weight and balance including re-calculation of min. and max. cockpit weight.
This data is to be entered in:
 - weighing chart AFM section 6.8.4
 - new cockpit data-placard
5. Only LS1-d in case instruction 3 was performed: The ASI markings inside the ASI must be changed according to AFM section 2.3.1
Replace the table (data placard) ASI versus altitude.
This data is to be entered in the weighing chart AFM section 6.8.4
- Material : Manual pages see above,
If instruction 3 shall be performed: working instruction for TN61-LS with the material listed therein.
- Weight and balance : If instruction was performed a new weight and balance is necessary.

The technical content of this document is approved under the authority of DOA Ref. EASA.21J.780.



Remarks : If instruction 3 shall not be performed: The manual pages will be supplied by DG on request

If instruction 3 shall be performed: Manual pages and working instructions will be shipped with the material.

Use only genuine spare parts.
Parts (except for standard parts) and material kits shall only be installed if an EASA Form 1 is existent for these products.
The DG invoice is valid as "Certificate of conformity" for standard parts.

Instructions No. 1 and 2 may be executed by the pilot/owner himself.
The actions are to be inspected and released by the pilot/owner (according to ML.A.801 (b) 3 for EASA registered aircraft).

Instruction No. 3 up to 5:

1. EASA registered aircraft: The pilot/owner is not allowed to perform the actions. The actions have to be performed and released according to ML.A.801 (b) 1.
2. Non EASA registered aircraft: The actions have to be performed in a licensed workshop. All instructions are to be inspected and entered in the aircraft logs by a licensed inspector.

If you have any questions concerning this TN please contact DG Aviation:
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Bruchsal, date:
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