


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2013-0054</p> <p>Date: 05 March 2013</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>This AD is issued in accordance with EU 748/2012, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>	
<p>Design Approval Holder's Name: SCHEMPP-HIRTH FLUGZEUGBAU GmbH</p>	<p>Type/Model designation(s): Nimbus-4DT, Duo Discus T and Arcus T powered sailplanes</p>
TCDS Number:	EASA.A.063, EASA.A.074, EASA.A.532
Foreign AD:	Not applicable
Supersedure:	This AD supersedes EASA AD 2013-0012 dated 15 January 2013.
ATA	Sailplane Flight Manual / Maintenance Manual – Amendment
Manufacturer(s):	Schempp-Hirth Flugzeugbau GmbH
Applicability:	<p>Nimbus-4DT powered sailplanes, serial numbers (S/N) 10 through 15 (inclusive).</p> <p>Duo Discus T powered sailplanes, S/N 1 through 240 (inclusive).</p> <p>Arcus T powered sailplanes, S/N 1, and S/N 3 through 30 (inclusive).</p>
Reason:	<p>It was found that the accomplishment instructions provided to check the powered sailplane's propeller hub and blades were not sufficient to detect cracks and/or other damage. The results of a subsequent manual review revealed that some other operating instructions provided by the sailplane flight and maintenance manual were neither correct nor sufficient.</p> <p>This condition, if not corrected, could lead to operation of the powered sailplane outside its certified limits.</p> <p>To address this unsafe condition, EASA issued AD 2013-0012 to require amendment of sailplane flight- and maintenance manuals to correct the operating instruction deficiencies and inaccuracies and, for Arcus T sailplanes that had been repaired before the applicable maintenance manual update, an elevator or wing flap hinge moment weight check, as applicable.</p> <p>Since that AD was published, Schempp-Hirth Flugzeugbau GmbH determined that Action 3 of the accomplishment instructions of Technical Note (Technische Mitteilung) (TN) 890-13, referenced for Duo Discus T sailplanes, was incorrect for S/N 1 through 174. To correct this erroneous maintenance instruction, Schempp-Hirth Flugzeugbau GmbH issued TN 890-13 issue 2.</p>

	For the reasons described above, this AD retains the requirements of EASA AD 2013-0012, which is superseded, and requires, for certain Duo Discus T powered sailplanes, the use of instructions as provided in TN 890-13 issue 2.
Effective Date:	19 March 2013
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within the compliance times as defined in Appendix 1 of this AD, accomplish each required action as identified in Appendix 1 of this AD, in accordance with the instructions of the referenced Schempp-Hirth Flugzeugbau GmbH TN, as applicable to the powered sailplane type. (2) If, during accomplishment of any rudder, elevator and wing flap hinge moment and weight check for Arcus T powered sailplane, in accordance with the instructions of Action 6 of TN A532-1, as required by the paragraph (1) of this AD, any discrepancy is detected, before next flight, correct the affected control surface hinge moment or weight, as applicable, in accordance with approved maintenance instructions. (3) For Duo Discus T powered sailplanes S/N 1 through 174 (inclusive): Amendment of Duo Discus T powered sailplane Maintenance Manual in accordance with the instructions of TN 890-13 at original issue dated 15 October 2012 <u>is not</u> acceptable for compliance with the requirements of this AD. After the effective date of this AD, TN 890-13 issue 2 (or later approved issue) must be used. (4) For Duo Discus T powered sailplanes S/N 175 through 240 (inclusive): Amendment of Duo Discus T powered sailplane Maintenance Manual in accordance with the instructions of TN 890-13 at original issue <u>is</u> acceptable for compliance with the requirements of this AD. (5) Amendment of the powered sailplane flight and maintenance manual and replacement of cockpit placards accomplished in accordance with the instructions of TN 868-21, TN 890-13 or TN A532-1, as applicable to the powered sailplane type, may be performed by the Pilot-Owner according to the provisions of M.A.803 of Part M (annex I to Commission Regulation (EC) No 2042/2003 of 20 November 2003).
Ref. Publications:	<p>Schempp-Hirth TN 868-21 for Nimbus-4DT, dated 15 October 2012, Schempp-Hirth TN 890-13 for Duo Discus T issued 15 October 2013, or issue 2 dated 11 February 2013, Schempp-Hirth TN A532-1 for Arcus T, issued 15 October 2012.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: SCHEMPP-HIRTH Flugzeugbau GmbH, Krehenstrasse 25, 73230 Kirchheim / Teck, GERMANY Telephone: +49 7021 7298-0, FAX: +49 7021 7298-199 e-mail: info@schempp-hirth.com.

Appendix 1 – Required Actions and Compliance Times

Powered sailplane type	Required action	Accomplishment instruction	Compliance time
Nimbus-4DT	Amend the powered sailplane flight and maintenance manual	In accordance with TN 868-21, as applicable	Within 30 days after 29 January 2013 [the effective date of AD 2013-0012]
Duo Discus T	Amend the powered sailplane flight manual	In accordance with Action 1 of TN 890-13	Within 30 days after 29 January 2013 [the effective date of AD 2013-0012]
	Amend the powered sailplane flight and maintenance manual	In accordance with Action 2 and Action 3 of TN 890-13	Within 60 days after the effective date of this AD
	Replace cockpit placard	In accordance with Action 4 of TN 890-13	
	Transfer weight and balance data from weight and balance report into the weight and balance log sheet	In accordance with Action 5 of TN 890-13	
Arcus T	Amend the powered sailplane flight manual	In accordance with Action 1 of TN A532-1	Within 30 days after 29 January 2013 [the effective date of AD 2013-0012]
	Amend the powered sailplane flight and maintenance manual	In accordance with Action 2 and Action 3 of TN A532-1	Within 90 days after 29 January 2013 [the effective date of AD 2013-0012]
	Replace cockpit placard	In accordance with Action 4 of TN A532-1	
	Transfer weight and balance data from weight and balance report into the weight and balance log sheet	In accordance with Action 5 of TN A532-1	
	For powered sailplanes, on which, before 29 January 2013 [the effective date of AD 2013-0012], rudder, elevator or wing flap repair were accomplished, perform a rudder, elevator and wing flap hinge moment and weight check	In accordance with Action 6 of TN A532-1	