

|   |  |                                    |
|---|--|------------------------------------|
| <b>EASA</b>   | <b>NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE</b>  |                                    |
|    | <p><b>PAD No.: 11-106</b></p> <p><b>Date: 10 October 2011</b></p> <p>Note: This Proposed Airworthiness Directive (PAD) 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>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p> |  |                                    |
| <b>Type Approval Holder's Name :</b>  |  | <b>Type/Model designation(s) :</b> |
| SAAB AB, Aeronautics  |  | SF340A and 340B aeroplanes         |
| TCDs Number :   | EASA.A.068   |                                    |
| Foreign AD :  | Not applicable   |                                    |
| Supersedure :   | None   |                                    |
| <b>ATA 27</b>   | <b>Flight Controls – Stall Warning/Identification System – Replacement</b>   |                                    |
| Manufacturer(s):  | SAAB AB, Aeronautics (formerly SAAB Aerosystems).  |                                    |
| Applicability:  | <p>Model SF340A aeroplanes, serial numbers (s/n) 004 through 159 inclusive, and Model 340B aeroplanes, s/n 160 through 459 inclusive, except aeroplanes that have SAAB Modification (Mod.) No. 2650 and/or Mod. No. 2859 installed.</p> <p>Note: This AD does not apply to aeroplanes with s/n 170, 342, 362, 363, 367, 372, 379, 385, 395, 405, 409, 431 and 455.</p>   |                                    |
| Reason:   | <p>A few natural stall events, specifically when operating in icing conditions, have been experienced on SAAB 340 series aeroplanes, without receiving a prior stall warning. This condition, if not corrected, could result in loss of control of the aeroplane.</p> <p>To address this potential unsafe condition, a modified stall warning system, incorporating improved stall warning logic, has been developed.</p> <p>SAAB have issued Service Bulletin (SB) 340-27-098 and SB 340-27-099, which include instructions to replace the present Stall Warning Computer (SWC) with a new SWC, and instructions to activate the new SWC. The new system includes stall warning curves optimized for operation in icing conditions, which are activated by selection of Engine Anti-Ice.</p> <p>For the reasons described above, this AD requires the replacement of the SWC, by installing new SWC Part Number (P/N) 0020AK6 on aeroplanes with basic wing tip, and installing a new SWC P/N 0020AK7 on aeroplanes with extended wing tip, as applicable to aeroplane configuration.</p> |                                    |
| Effective Date:   | [TBD: 14 days after Final AD issue date]   |                                    |

|   |   |
|---|---|
| <p>Required Action(s) and Compliance Time(s):</p> | <p>Required as indicated, unless accomplished previously:</p> <p>(1) Within 24 months after the effective date of this AD, accomplish the following actions, as applicable to aeroplane configuration:</p> <p>(1.1) For aeroplanes with basic wing tip, replace the SWC P/N 0020AK or P/N 0020AK1, or P/N 0020AK2, or P/N 0020AK4, with a new SWC P/N 0020AK6, in accordance with the instructions of SAAB SB 340-27-098.</p> <p>(1.2) For aeroplanes with extended wing tip, replace the SWC P/N 0020AK3 MOD 1 with a new SWC P/N 0020AK7, in accordance with the instructions of SAAB SB 340-27-099.</p> <p>(2) Concurrent Requirement: Prior to, or concurrent with, modification of an aeroplane as required by paragraph (1) of this AD, modify the aeroplane in accordance with the instructions of SAAB SB 340-27-097 (SAAB Mod.3311).</p> <p>(3) After modification of an aeroplane as required by paragraph (1.1) or (1.2) of this AD, as applicable, do not install any SWC P/N 0020AK, or P/N 0020AK1, or P/N 0020AK2, or P/N 0020AK4, or P/N 0020AK3 MOD 1 on that aeroplane.</p> |
| <p>Ref. Publications:</p>                         | <p>SAAB SB 340-27-097 original issue dated 01 September 2011, or Revision 01 dated 26 September 2011, or Revision 02 dated 07 October 2011.</p> <p>SAAB SB 340-27-098 original issue dated 01 September 2011.</p> <p>SAAB SB 340-27-099 original issue dated 01 September 2011.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>  |
| <p>Remarks :</p>                                  | <p>1. This Proposed AD will be closed for consultation on 07 November 2011.</p> <p>2. Enquiries regarding this PAD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</p> <p>3. For any question concerning the technical content of the requirements in this PAD, please contact:<br/>         Saab AB, Support and Services<br/>         SE-581 88 Linköping, Sweden<br/>         Fax: +46 13 184874<br/>         E-mail: <a href="mailto:saab340.techsupport@saabgroup.com">saab340.techsupport@saabgroup.com</a>.</p>  |