

Section 1. Swedish Manufactured Aeronautical Products

**AIRWORTHINESS**

**DIRECTIVE No:** 1-104

**AIRCRAFT TYPE:** SAAB 2000

**SERIAL No:s**

**AFFECTED:** SAAB 2000 -002 through -042

**SUBJECT:**

Flight Control System - Elevator Control System - PECU (Powered Elevator Control Unit) lightning protection inspection

**BACKGROUND:**

A lightning strike in one aircraft caused "L ELEVATOR DEGRAD" caution to be annunciated. This caution indicates that one servo actuator on the left elevator had gone to damped mode as a result of the lightning strike. During the investigation nothing was found wrong with the aircraft, but the left PECU was removed and sent to the vendor for further investigation. That PECU had incorrectly installed lightning protection transzorbs on some inputs.

To make sure that there are no other PECUs with incorrectly installed lightning protection transzorbs, the referenced service bulletin will provide instructions for inspection of the lightning protection transzorbs and for associated activities.

**REFERENCE  
DOCUMENTS:**

Saab Aircraft AB Service Bulletin SAAB 2000-27-030 Revision 01 with attached Dowty Aerospace Los Angeles Service Bulletin 7858-27-04 Rev. A.

**ACTIONS:**

Perform actions described in Saab Aircraft AB Service Bulletin SAAB 2000-27-030 Revision 01 dated 8 November, 1996, and its attachment Dowty Aerospace Service Bulletin 7858-27-04 Rev. A dated 7 Nov, 1996 or later revision

**COMPLIANCE  
TIME:**

To be performed within 30 calendar days after effective date of this SAD

**EFFECTIVE  
DATE:**

8 November, 1996

**LUFTFARTSVERKET**  
**Flight Safety Department**

**LFS:1996:65**

The actions contained in this directive and reference document(s) have been classified as mandatory for aircraft on Swedish register.