



Airworthiness Directive

AD No.: 2016-0029

Issued: 23 February 2016

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

FOKKER SERVICES B.V.

Type/Model designation(s):

F28 aeroplanes

Effective Date: 08 March 2016

TCDS Number(s): EASA.A.037

Foreign AD: Not applicable

Supersedure: None

ATA 53 – Fuselage – Upper Fuselage Skin External Doublers at TCAS Antenna Position – Inspection

Manufacturer(s):

Fokker Aircraft B.V.

Applicability:

F28 Mark 0100 aeroplanes, serial number (s/n) 11244 to s/n 11407 inclusive.

Reason:

Recently, a complementary fatigue and damage tolerance analysis was accomplished by the design approval holder on the traffic collision avoidance system (TCAS) antenna installation on the top of the fuselage between station (STA) 6805 and STA7305. Based on the results, it was determined that for the affected area, the current threshold of the Airworthiness Limitations Section inspection task 533001-00-20 (special detailed inspection of longitudinal lap joints) is insufficient to timely detect possible crack development.

This condition, if not detected and corrected, could affect the structural integrity of the fuselage in this area.

To address this potential unsafe condition, Fokker Services published Service Bulletin (SB) SBF100-53-130 to provide inspection instructions.



For the reasons described above, this AD requires a one-time inspection of the fuselage skin around the largest TCAS antenna external doubler and of the longitudinal lap joint at stringer (STR) 37 between fuselage STA6805 and STA7305. This AD is considered to be an interim action and further AD action may follow.

More information on this subject can be found in Fokker Services All Operators Message AOF100.199.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

- (1) Within the compliance time specified in Table 1 of this AD, as applicable, inspect the fuselage skin around the largest TCAS antenna external doubler and of the longitudinal lap joint at STR37 between fuselage STA6805 and STA7305 in accordance with the Accomplishment Instructions of Fokker Services SBF100-53-130.
- (2) If, during the inspection as required by paragraph (1) of this AD, any crack is found, before next flight, contact Fokker Services for approved repair instructions and accomplish those instructions accordingly.

Table 1 – Inspection Threshold

Flight Cycles (FC) Accumulated (on the effective date of this AD, since first flight of the aeroplane)	Compliance Time (after effective date of this AD)
45 000 FC or more	Within 750 FC
40 000 FC or more, but less than 45 000 FC	Within 1 500 FC

Ref. Publications:

Fokker Services SBF100-53-130 original issue dated 01 December 2015.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 19 January 2016 as PAD 16-003 for consultation until 16 February 2016. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact: Fokker Services B.V., Technical Services Dept., P.O. Box 1357, 2130 EL, Hoofddorp, The Netherlands, Telephone +31-88-6280-350, Fax +31-88-6280-111, E-mail: technicalservices@fokker.com.
The referenced publication can be downloaded from www.myfokkerfleet.com.

