Notification of a proposal to issue an Airworthiness Directive

PAD No.: 16-003

Issued: 19 January 2016

Note: This Proposed Airworthiness Directive (PAD) 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.

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 date indicated.

Design Approval Holder's Name:	Type/Model designation(s):
FOKKER SERVICES B.V.	F28 aeroplanes

Effective Date:	[TBD - standard: 14 days after AD issue date]
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

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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 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. This Proposed AD will be closed for consultation on 16 February 2016.

2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.

3. For any question concerning the technical content of the requirements in this PAD, please contact: Fokker Services B.V., Technical Services Dept.
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The referenced publication can be downloaded from www.myfokkerfleet.com.