



Nr. **NL-2005-004**

Distribution : **L**

Issue Date : April 29, 2005

Type Certificate Holder :

**FOKKER SERVICES B.V.**  
(formerly Fokker Aircraft B.V.)

F.28 Mk.0100

CAA-NL Type Certificate Nr.

T-100-87

**Caution**

*This Airworthiness Directive is issued by the Minister of Transport, Public Works and Water Management in accordance with the Aviation Act 2001 (Wet Luchtvaart), Article 3.22. Airworthiness Directives affect aviation safety. These are regulations which require immediate attention. No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements thereof, unless otherwise agreed with the Authority of the State of Registry (EC2042/2003, M.A.201 & M.A.303).*

THIS AIRWORTHINESS DIRECTIVE IS PUBLISHED BY THE CAA-NL :

- acting for and on behalf of the European Aviation Safety Agency (EASA), as Airworthiness Authority (ICAO Annex 8) of the State of Design for the affected product(s) with reference to 21A.3B (a) and (b); and
- has been approved under EASA reference Number 2005-3870 dated April 29, 2005.

**Supersedure** : Not Applicable

**Subject** : FUSELAGE - ELT SYSTEM ANTENNA - REINFORCEMENT

**Applicability** : Fokker Aircraft B.V. Model F.28 Mk.0100 aircraft, serial numbers 11290, 11296, 11323, 11329 and 11330, if modified per Fokker SBF100-25-038 or SBF100-25-096.

**Reason** :

In 2003 and 2004, Fokker Services developed two specific optional modifications for operators to install an Emergency Locator Transmitter (ELT) system. For aircraft which already had ELT systems installed, e.g. on the production line, these modifications include the removal of the existing structural provisions in the rear fuselage and the installation of new structural provisions for the new antenna. Recent investigation shows that in such cases (replacement of existing structural provisions) the new structure for the antenna has insufficient strength. This condition, if not corrected, may adversely affect the structural integrity of the airframe. Since an unsafe condition has been identified that may exist or develop on aircraft of this type design, this Airworthiness Directive requires the reinforcement of the affected fuselage area by replacing the structural provisions.

**Effective date** : May 15, 2005

**Mandatory Actions and Compliance Times** : Required as indicated, unless accomplished previously.

Within the next 2 years or 3,000 flight cycles after the effective date of this directive, whichever occurs first, reinforce the fuselage at the ELT system antenna area in accordance with Part 2 Accomplishment Instructions of Fokker Services SBF100-53-100 dated February 28, 2005 or a later CAA-NL approved revision.

**Reference Publication(s)** :

Fokker Aircraft SB F100-25-038  
Fokker Aircraft SB F100-25-096  
Fokker Services SB F100-53-100

Remarks :

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from **Fokker Services B.V., Technical Services Dept., P.O.Box 231, 2150 AE Nieuw-Vennep, The Netherlands;** telephone (31) 252-627-350; facsimile (31) 252-627-211; e-mail [technicalservices.fokkerservices@stork.com](mailto:technicalservices.fokkerservices@stork.com) or can be downloaded from [www.myfokkerfleet.com](http://www.myfokkerfleet.com).
- Compliance with this directive must be recorded in the proper Aircraft Log Book(s).

Address inquiries concerning this AD to : Civil Aviation Authority, Aircraft Division, Section C&D, P.O. Box 575, 2130 AN Hoofddorp, The Netherlands; telephone +31-23-566-3155; facsimile +31-23-566-3006; e-mail [Info.Register@ivw.nl](mailto:Info.Register@ivw.nl).