

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of 'Consigne de Navigabilité' ref. : 2002-135(B)
In case of any difficulty, reference should be made to the French original issue.

AIRBUS

A330 aircraft

FMGEC Computer -
 "Incorrect Nav Guidance upon F-PLN sequencing" & "No Waypoint Sequencing" (ATA 22)

APPLICABILITY:

AIRBUS A330 aircraft, models -202, -223, -243, -301, -321, -322, -323, -341, -342, -343, all serial numbers except the following aircraft:

- Aircraft which have received on production AIRBUS modification 49104 (or AIRBUS INDUSTRIE Service Bulletin (SB) A330-22-3035) for A330 GE, (FMGEC standard L10),
- Aircraft which have received on production AIRBUS modification 49105 (or SB A330-22-3036) for A330 RR/PW, (FMGEC standard L10),
- Aircraft which have received on production AIRBUS modification 47457 (or SB A330-22-3034) for A330 GE, (FMGEC standard P1),
- Aircraft which have received on production AIRBUS modification 47462 (or SB A330-22-3026) for A330 RR/PW, (FMGEC standard P1).

REASONS:

Some A330 operators equipped with FMGEC standard L9 reported several anomalies of no waypoint sequencing in "NAV" mode.

In addition, it was reported by some operators equipped with FMGEC standard L6 and L7 an anomaly of the FMGEC software.

These two anomalies, so called "Incorrect Nav Guidance upon F-PLN sequencing" and "no waypoint sequencing" have led the aircraft not to follow the exact trajectory inserted in the flight plan.

Airworthiness Directive (AD) 2000-446-128(B) ("No waypoint sequencing") and 2000-445-127(B) ("Incorrect Nav Guidance upon F-PLN sequencing") were issued to mandate respectively the Flight Manual Temporary Revisions (FM TR) No. 4.03.00/17 and 4.03.00/16, both DGAC approved on September 13, 2000, and their related procedures.

This AD aims at restating the enforcement of the above FM TR' s and at mandating the replacement of all the FMGEC standard L6, L7 and L9 by FMGEC standard L10 or P1.

FMGEC standard L6 have been installed in production by AIRBUS Modification 43724 or 44661 or 44662 (or respectively in service by SB A330-22-3011, A330-22-3009 or A330-22-3010).

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March 20, 2002

**AIRBUS
A330 aircraft**

2002-135(B)

FMGEC standard L7 have been installed in production by AIRBUS Modification 45238 or 45239 or 46180 or 46181 (or respectively in service by SB A330-22-3015 or A330-22-3016).

FMGEC standard L9 have been installed in production by AIRBUS Modification 46932 or 47233 (or respectively in service by AIRBUS SB A330-22-3022 or A330-22-3023).

This AD replaces AD 2000-446-128(B) and 2000-445-127(B) R1 which are cancelled.

COMPLIANCE:

The following measures are rendered mandatory on the effective date of this AD:

1. From November 10, 2000 (effective date of AD's 2000-446-128(B) and 2000-445-127(B) at original issue), insert in the aircraft Flight Manual the following Temporary Revisions (TR) DGAC approved on September 13, 2000 and follow the related procedures:

1.1. TR No. 4.03.00/17 for aircraft fitted with FMGEC standard L9

1.2. TR No. 4.03.00/16 for aircraft fitted with FMGEC standard L6 or L7.

2. Not later than December 31, 2003, replace all the FMGEC standards L6 , L7 and L9 by FMGEC standard L10 or P1 following the instructions of the following SB's:

For Aircraft fitted with GE engines:

SB A330-22-3035 (L9 to L10),

SB A330-22-3034 (L9 to P1),

SB A330-22-3023 (L7 to L9) and/or

SB A330-22-3015 (L6 to L7).

or

For Aircraft fitted with RR/PW engines

SB A330-22-3036 (L9 to L10),

SB A330-22-3026 (L9 to P1),

SB A330-22-3022 (L7 to L9) and/or

SB A330-22-3016 (L6 to L7).

Accomplishment of the paragraph 2 of this AD cancels the requirement of the paragraph 1 and the FM TR No. 4.03.00/17 and No. 4.03.00/16 must be removed from the aircraft Flight Manual.

REF.: AIRBUS INDUSTRIE A330 FM TR 4.03.00/17 dated September 13, 2000
AIRBUS INDUSTRIE A330 FM TR 4.03.00/16 dated September 13, 2000
AIRBUS INDUSTRIE Service Bulletin A330-22-3015
AIRBUS INDUSTRIE Service Bulletin A330-22-3016
AIRBUS INDUSTRIE Service Bulletin A330-22-3035
AIRBUS INDUSTRIE Service Bulletin A330-22-3036
AIRBUS INDUSTRIE Service Bulletin A330-22-3034
AIRBUS INDUSTRIE Service Bulletin A330-22-3026
AIRBUS INDUSTRIE Service Bulletin A330-22-3022
AIRBUS INDUSTRIE Service Bulletin A330-22-3023
(any later approved revision is acceptable).

This AD replaces AD 2000-446-128(B) and 2000-445-127(B) which are cancelled.

EFFECTIVE DATE : MARCH 30, 2002