

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. : 96-048-028(B) R1
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A330 Aircraft

Flight controls - Replacement of FCPCs
FCSCs, FCDCs and FWC/SDAC

This Airworthiness Directive applies to all A330 AIRBUS INDUSTRIE aircraft models which have not received the following AIRBUS INDUSTRIE modifications:

A) A330 aircraft powered with GENERAL ELECTRIC engines :

44070 or AIRBUS INDUSTRIE Service Bulletin A330-27-3037, and
42983 or AIRBUS INDUSTRIE Service Bulletin A330-27-3017, and
43181 or AIRBUS INDUSTRIE Service Bulletin A330-27-3022, and
43909 or AIRBUS INDUSTRIE Service Bulletin A330-31-3012,
or as alternative solution,
44064 and 44488 AIRBUS INDUSTRIE Service Bulletin A330-31-3016.

B) A330 aircraft powered with PRATT & WHITNEY engines :

44070 or AIRBUS INDUSTRIE Service Bulletin A330-27-3037, and
42983 or AIRBUS INDUSTRIE Service Bulletin A330-27-3017, and
43181 or AIRBUS INDUSTRIE Service Bulletin A330-27-3022, and
44044 or AIRBUS INDUSTRIE Service Bulletin A330-31-3017,
or as alternative solution,
44064 and 44488 AIRBUS INDUSTRIE Service Bulletin A330-31-3016.

C) A330 aircraft powered with ROLLS ROYCE engines :

44070 or AIRBUS INDUSTRIE Service Bulletin A330-27-3037, and
43181 or AIRBUS INDUSTRIE Service Bulletin A330-27-3022.

To provide relief from the requirements of the "red" OEBs (Operational Engineering Bulletins) related to Flight Controls and Flight Warning Computers and to ensure a correct mixeability of the Flight Control Computers (FCPCs, FCSCs and FCDCs), the following measures are rendered mandatory on the effective date of this Airworthiness Directive, unless already accomplished :

- No later than August 31, 1996 replace the Flight Control and Flight Warning Computers in accordance with the instructions given in the following AIRBUS INDUSTRIE Service Bulletins :

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v/JYR

August 14, 1996

AIRBUS INDUSTRIE
A330 Aircraft

96-048-028(B) R1

A) A330 aircraft powered with GENERAL ELECTRIC engines :

A330-27-3037 (FCPC - Flight Control Primary Computer)
A330-27-3017 (FCDC - Flight Control Data Computer)
A330-27-3022 (FCSC - Flight Control Secondary Computer)
A330-31-3012 (MWS - Master Warning Systems)(see Note)
or as alternative solution
A330-31-3016 (FWC/SDAC - Flight Warning Computer/System Data Acquisition Computer)

Note: AIRBUS INDUSTRIE Service Bulletins A330-31-3005 and A330-78-3004 are to be accomplished previously or simultaneously.

B) A330 aircraft powered with PRATT & WHITNEY engines :

A330-27-3037 (FCPC - Flight Control Primary Computer)
A330-27-3017 (FCDC - Flight Control Data Computer)
A330-27-3022 (FCSC - Flight Control Secondary Computer)
A330-31-3017 (MWS - Master Warning Systems)
or as alternative solution
A330-31-3016 (FWC/SDAC - Flight Warning Computer/System Data Acquisition Computer).

C) A330 aircraft powered with ROLLS ROYCE engines :

A330-27-3037 (FCPC - Flight Control Primary Computer)
A330-27-3022 (FCSC - Flight Control Secondary Computer)

Ref. : AIRBUS INDUSTRIE Service Bulletin A330-27-3037
AIRBUS INDUSTRIE Service Bulletin A330-27-3017
AIRBUS INDUSTRIE Service Bulletin A330-27-3022
AIRBUS INDUSTRIE Service Bulletin A330-31-3012
AIRBUS INDUSTRIE Service Bulletin A330-31-3017
AIRBUS INDUSTRIE Service Bulletin A330-31-3016

or any further
approved
revision.

This Revision 1 replaces original AD 96-048-028(B) dated February 28, 1996.

EFFECTIVE DATES :

Original AD : MARCH 09, 1996
Revision 1 : AUGUST 24, 1996