

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. : 2002-623(B)
In case of any difficulty, reference should be made to the French original issue.

AIRBUS

A340 aircraft

Fuel - Change of FCMCs and FWCs (ATA 28, 31)

1. APPLICABILITY:

AIRBUS A340 aircraft, models -211, -212, -213, -311, -312 and -313, all serial numbers, except those on which AIRBUS modifications 49844 and 49633 have been embodied in production or AIRBUS Service Bulletins (SB) A340-28-4095 and A340-31-4067 have been embodied in service.

2. REASONS:

If an uncontained failure of one of the engines is suspected, the forward and aft sections of the AIRBUS A340 inner tanks can be isolated in order to conserve on board a maximum amount of fuel in case of possible perforation of the tanks.

However, under certain conditions, the closing of the isolation valves of the forward and aft sections of the tanks can prevent the feeders supplying engines 2 and 3 from filling normally. This may lead to the flame out of the engines in flight even though the fuel indicating system indicates to the crew that the inner tanks still contain fuel.

To prevent such a situation and to warn the crew well in advance in case of a fuel starvation of engines 2 and 3, a modification has been developed by AIRBUS which consists therefore of a change of the FCMC (Fuel Control and Monitoring Computer) logic with a caution display in the FWC (Flight Warning Computer) to activate a new "FUEL CELL NOT FULL" caution message.

This Airworthiness Directive (AD) renders mandatory the installation of the new FCMCs Standard 10.0 and the new FWCs Standard L9-0.

3. COMPLIANCE:

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

At latest on December 31st, 2004, replace:

- the two FCMCs Standard below or equal to 9.0 by FCMCs Standard 10.0,
and
- the two FWCs Standard below or equal to L8-0 by FWCs Standard L9-0,

in accordance with the instructions of AIRBUS SB's A340-28-4095 and A340-31-4067.

Note: The embodiment of the above requirements cancels the operational procedure described in OEB 35/3.

REF.: AIRBUS Service Bulletin A340-28-4095
AIRBUS Service Bulletin A340-31-4067.
(All later approved revisions of these SB's are acceptable).

EFFECTIVE DATE : JANUARY 04, 2003