

# AIRWORTHINESS DIRECTIVE

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*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. : 98-103-082(B)

In case of any difficulty, reference should be made to the French original issue.

## AIRBUS INDUSTRIE

### A340 Aircraft

Fuel densitometers - ATA 28

#### Applicability :

AIRBUS INDUSTRIE A340 series aircraft, -211, -212, -213, -311, -312 and -313 models, all serial numbers.

#### Configuration 1 :

Aircraft which have not received AIRBUS INDUSTRIE modifications 42969 and 45580 or not having been modified in accordance with Service Bulletin A340-28-4054 Rev. 1, or Service Bulletins A340-28-4054 Rev. 0 and A340-28-4069.

or,

#### Configuration 2 :

Aircraft which have received AIRBUS INDUSTRIE modification 42969 but not 45580, or not having been modified in accordance with Service Bulletin A340-28-4069, or having been modified in accordance with Service Bulletin A340-28-4054 Rev. 0, but not Service Bulletin A340-28-4054 Rev.1.

#### Reasons :

As a conclusion of an in-depth review performed by the manufacturer as regards adequate bonding against electrostatic charging on the densitometers located respectively in LH and RH wings, it resulted to improve bonding features of densitometers and to the aircraft structure via the densitometer and the structural attachment bracket.

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**Compliance :**

Rendered mandatory on the effective date of this Airworthiness Directive, unless previously accomplished :

**For configuration 1** (aircraft designed with densitometers P/N 7825D) :

Within the first schedule inner fuel tank opening but not later than 72 months counted from aircraft first entry in-service :

1. Remove the densitometers located respectively in LH and RH wings and install new densitometers standard (P/N 7825E) in accordance with the instructions given in the Service Bulletin A340-28-4054 Rev. 1.
2. Modify the bonding to the attachment bracket of the new densitometers in accordance with the instructions given in the Service Bulletin A340-28-4054 Rev. 1.

**For configuration 2** (aircraft designed with densitometers 7825E, with poor bonding) :

Within the first schedule inner fuel tank opening, but not later than 72 months counted from aircraft first entry in-service :

1. Incorporate the improved method of bonding the densitometers (P/N 7825E) to the attachment bracket in accordance with the instructions given in the Service Bulletin A340-28-4069 or A340-28-4054 Rev. 1.

**Note :** The required modifications subject of this Airworthiness Directive can be incorporated in the frame of an adequate access to the fuel tanks but not to exceed the threshold of 72 months.

Ref. : AIRBUS INDUSTRIE Service Bulletin A340-28-4054 Rev. 1

(or any further approved revision)

AIRBUS INDUSTRIE Service Bulletin A340-28-4069

(or any further approved revision)

**EFFECTIVE DATE : MARCH 07, 1998**