



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthiness Division

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## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-045/2003**

Date of issue: May 16, 2003

**AIRBUS**

A310, A300-600

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### AIRCRAFT - ADDITIONAL CENTER TANKS - MODIFICATION

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**Applicability:**

- AIRBUS A310 series aircraft, all certified models and all serial numbers, equipped with one or more ACT's except for aircraft on which the original issue or Revision 1 of AIRBUS Service Bulletin (SB) A310-28-2137 has been embodied in service (AIRBUS modification 11961).

- AIRBUS A300-600 series aircraft, all certified models and all serial numbers, equipped with one or more ACT's except for aircraft on which SB A300-28-6060 has been embodied in service (AIRBUS modification 11961).

**Effective date:** July 10, 2003

**Compliance:** Required as indicated DGAC AD No.: 2003-161(B).

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*Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.*

**Ing. Pavel MATOUŠEK**  
**Director**

**DGAC AD No.: 2003-161(B)**

A310 and A300-600 aircraft

Improvement in the electrical bonding of the Additional Center Tanks (ACT) (ATA 28)

**1. APPLICABILITY:**

- AIRBUS A310 series aircraft, all certified models and all serial numbers, equipped with one or more ACT's except for aircraft on which the original issue or Revision 1 of AIRBUS Service Bulletin (SB) A310-28-2137 has been embodied in service (AIRBUS modification 11961).

- AIRBUS A300-600 series aircraft, all certified models and all serial numbers, equipped with one or more ACT's except for aircraft on which SB A300-28-6060 has been embodied in service (AIRBUS modification 11961).

**2. REASONS:**

A review of the bonding methods applied to the various components of the ACT installed in the cargo compartment of the A310 and A300-600 aircraft showed that the effectiveness of the groundings must be improved.

Insufficient bonding can, under certain specific flight circumstances (aircraft lightning strike, accumulation of static charges), lead to an electric arc which could reach the self-ignition threshold of the fuel vapors hence a potential risk of explosion in the tanks.

This Airworthiness Directive (AD) renders mandatory the embodiment of modifications to the electrical bonding system in the ACT's.

**3. MANDATORY ACTIONS AND COMPLIANCE TIME:**

Before November 30, 2005, unless already accomplished, modify the electrical bonding points of the ACT's in accordance with the instructions of SB A310-28-2137 Revision 1 or A300-28-6060 as applicable.

**REF.: AIRBUS Service Bulletins:**

A310-28-2137 Revision 1

A300-28-6060

(Any later approved revision of these SBs is acceptable).

**EFFECTIVE DATE: MAY 10, 2003**