 Direction générale de l'aviation civile France	AIRWORTHINESS DIRECTIVE No F-2002-476 R1		Distribution: B	Issue date: January 21, 2004	Page : 1/2
	This Airworthiness Directive is published by the DGAC : <input checked="" type="checkbox"/> on behalf of EASA, the Primary Airworthiness Authority for the affected product. <input type="checkbox"/> as the Registration Airworthiness Authority for the affected aircraft..			<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>	
GSAC publication	No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive, unless otherwise agreed with the Authority of the State of Registry.				
Corresponding foreign Airworthiness Directive(s): Not applicable			Airworthiness Directive(s) replaced: 2002-476 original issue		
Person in charge of airworthiness: AIRBUS			Type(s): A319 and A320 aircraft		
Type certificate(s) No. 180 TCDS No 180					
ATA chapter: 28		Subject: Fuel system - Additional electrical bonding in fuel tanks			

1. **EFFECTIVITY:**

AIRBUS A319 and A320 aircraft all certified models, all serial numbers (MSN), except aircraft having received AIRBUS modification 31888 in production or AIRBUS Service Bulletin (SB) A320-28-1103 in service.

2. **REASONS:**

Following a review of the electrical bonding methods applied on various in-tank components and fuel pipe couplings of A319/A320 aircraft, it has been identified that the efficiency of the electrical bonding must be improved in certain areas.

Insufficient electrical bonding may in certain conditions (lightning strike, static charge accumulation) lead to electrical arcing inside the tanks, which, in case of the ignition of fuel vapors, could cause a fuel tank explosion.

This Airworthiness Directive (AD) renders mandatory application of SB A320-28-1103 to improve electrical bonding of the fuel return line of the wing between rib 7 and 8 in addition to AD 2002-202 requirements.


The Revision 1 of this AD clarifies the applicability for MSN 1746, which has partially received modification 31888. This aircraft has been added in SB A320-28-1003 revision 1.

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

Before December 31, 2007, modify the electrical bonding of the fuel return line of the wing between rib 7 and 8 in accordance with the instructions given in SB A320-28-1103 revision 1.

4. **REFERENCE PUBLICATIONS:**

Service Bulletin AIRBUS A320-28-1103
 Any other later approved revision of this SB is acceptable.
 Airworthiness Directive 2002-202.

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5. **EFFECTIVE DATES:**

Original issue : September 28, 2002
Revision 1 : January 31, 2004

6. **REMARK:**

For questions concerning the technical contents of this AD's requirements, contact:
AIRBUS - Fax 33 5 61 93 44 51.

7. **APPROVAL:**

This AD is approved under EASA reference No 2004-345 dated January 14, 2004.