	AIRWORTHINESS DIRECTIVE No F-2005-197		Distribution: B	Issue date: December 07, 2005	Page : 1/2
	Direction générale de l'aviation civile France GSAC publication	This Airworthiness Directive is published by the DGAC on behalf of EASA, Airworthiness Authority of the State of Design for the affected product, part or appliance.		<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>	
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: None		
Person in charge of airworthiness: AIRBUS SAS			Type(s): A310 aircraft		
Type certificate(s) No. 72 TCDS No 145					
ATA chapter: 28	Subject: Transfer control system - Centre tank - Modification to the non-return valve				

1. **EFFECTIVITY:**

AIRBUS A310 aircraft, A310-304, A310-308, A310-324 and A310-325 models, all serial numbers, fitted with one or more auxiliary centre tanks (ACT) or provisioned to receive ACT's on which AIRBUS Service Bulletin A310-28-2158 has not been embodied

Note: A310-300 Aircraft series MSN 0636 up to MSN 0706 inclusive, on which AIRBUS modification No. 8928 has been embodied in production, are not concerned by this Airworthiness Directive (AD).

2. **REASONS:**

An operator has reported that, during flight, it was not possible to transfer fuel from ACT's 1 and 2. No ECAM warnings were triggered.

The investigation of the problem revealed that the static inverter 4XE was faulty and the fuse 3XE was blown. This could result in the loss of the Fuelling bus Bars 900PP and 901PP leading to failure of the automatic ACT fuel transfer.


These failures, if combined with a failure of the ACT transfer non return valve (NRV) (PN C23AE0102, FIN 280285 in the Center tank) to close, could result in an unsafe condition by preventing manual ACT fuel transfer.

The aim of this AD is to mandate the replacement of the existing ACT transfer NRV in the center tank position with the NRV PN C23AE0103 to improve fuel system reliability.

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

Within 15,000 flight hours at the latest from the effective date of this AD:

- remove the NRV PN C23AE0102 and replace it by a NRV PN C23AE0103 in accordance with the instructions of AIRBUS Service Bulletin A310-28-2158.

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4. REFERENCE PUBLICATION:

AIRBUS Service Bulletin A310-28-2158 original issue
Any later approved revision of this SB is acceptable.

5. EFFECTIVE DATE:

December 17, 2005.

6. REMARK:

For questions concerning the technical content of this AD's requirements, contact:

AIRBUS SAS - EAW - Office of Airworthiness - Fax: 33 5 61 93 45 80.

7. APPROVAL:

This AD is approved under EASA reference No 2005-6417 dated November 29, 2005.