	AIRWORTHINESS DIRECTIVE No F-2004-123 R1	Distribution: B	Issue date: June 22, 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: F-2004-123 original issue		
Person in charge of airworthiness: AIRBUS SAS		Type(s): A319, A320 and A321 aircraft		
Type certificate(s) No. 180 TCDS No 180				
ATA chapter: 21, 26	Subject: Environmental/Air conditioning - Cargo compartment - Heating temperature sensor			

1. **EFFECTIVITY:**

AIRBUS:

- A320 aircraft, all certified models and serial numbers, that have received AIRBUS modifications 20084 in production or AIRBUS Service Bulletin (SB) A320-21-1048 in service
- A319 aircraft, all certified models and serial numbers, that have received AIRBUS modifications 24486 in production or SB A320-21-1140 in service,
- A321 aircraft, all certified models and serial numbers, that have received AIRBUS modifications 22596 in production,

except aircraft that have received AIRBUS modification 32616 in production or SB A320-21-1141 in service.

2. **REASONS:**

A fire containment capability evaluation of the cargo compartment has been performed during a flight test on an A319. The level of the halon extinguishant decreased below the required concentration. This was due to a too high rate of air renewal in the compartment.


After investigation, two leak sources were identified:

- The first leak is generated by the forward and aft cargo door water drain valves (this subject will be covered by an another Airworthiness Directive (AD)).
- The second leak is generated by the aft cargo compartment temperature sensor installation.

In such a situation, the protection level against fire required by the certification rules is no more ensured.

This AD renders mandatory the modification of the temperature sensor of the aft cargo compartment heating system.

Revision 1 of this AD is issued in order to extend the compliance time of the mandatory action from October 31, 2006 to May 31, 2007.

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

Before May 31, 2007, modify the temperature sensor of the aft cargo compartment heating system in accordance with the instructions given in SB A320-21-1141.

Note: It is reminded that, in case the cargo compartment or fire suppression system has been modified under a modification designed by an other party than the aircraft manufacturer (STC), it is the responsibility of the operator to define the actions which may be necessary to comply with the objectives of this AD, and to obtain approval from his authority.

4. **REFERENCE PUBLICATION:**

AIRBUS Service Bulletin A320-21-1141
(Any further approved revision of this document is acceptable).

5. **EFFECTIVE DATES:**

Original issue : July 31, 2004
Revision 1 : July 02, 2005.

6. **REMARK:**

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

7. **APPROVAL:**

This AD Revision is approved under EASA reference No 2005-5892 dated June 14, 2005.