

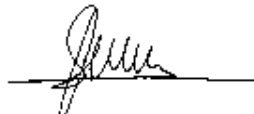
	FUNCTIONAL TEST	PFBFA-36-22-01-00/0	Issue	A	Pags.	6
	SPF, Aircraft System Engineering Department					
Aircraft	A330 MRTT					
Title: <i>Operational test of the overheat detection system</i>						
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## REVISIONS RECORD

[illegible]

# 1 INTRODUCTION

## 1.1 Object

The aim of this test is to demonstrate the correct installation of the leak detection leads in both sides of the wings. A check of the electrical continuity and insulation of the overheat detection loops shall be done.

## 1.2 List of acronyms and abbreviations

AMM	Aircraft Maintenance Manual
MRTT	Multi-Role Tanker Transport

# 2 APPLICABLE DOCUMENTATION

- [1] NT-FA-SGE-07005      A330-200 MRTT ATA 36 Functional Tests
- [2] AMM – RAAF      A330 Aircraft Maintenance Manual (AMM) – Royal Australian Air Force (RAAF)
- [3] F362A7000      A330-MRTT ATA30&36 Installation Drawing

# 3 REQUIRED EQUIPMENT

	Warning notice
	Access platform 2.5 m

# 4 DEFINITIONS

N/A

## 5 PRELIMINARY INSTRUCTIONS

Before performing this test, the following points must be confirmed:

The aircraft is connected to a suitable ground in accordance with AMM task 12-34-24-860-802.

Other activities that may prevent from doing this test are not being performed.

There are means close to the aircraft to extinguish fire caused by electrical equipment.

The fuel tanks are empty and there is not risk of explosion.

The re-routing of the wing anti-ice leak detection leads (overheat sensing elements) in both sides of the wings has been done in accordance with [3] and is fully operative.

## 6 TEST EXECUTION

1. Energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-861-801).
2. Make sure that the engine shutdown occurred not less than 5 minutes before you do this procedure.
3. On the ENG MASTER control panel 125VU, put a warning notice to tell persons not to start the engines.
4. On the MCDU, do the BITE tests of the BMCs 1 and 2. Print each TEST RESULT page (Ref. AMM TASK 36-11-00-740-802).
5. Make sure that the TEST RESULT pages do not show these maintenance indications:

ATA	MESSAGE	CLASS FAULT
361134	BMC1 (1HA1)	2
361134	BMC2 (1HA2)	2
362217	APU LOOP INOP	2
362216	R WING LOOP A INOP	2
362216	R WING LOOP B INOP	2
362216	L WING LOOP A INOP	2
362216	L WING LOOP B INOP	2
362216	ENGINE 1 PYLON LOOP INOP	2
362216	ENGINE 2 PYLON LOOP INOP	2
362216	ENGINE 1 PYLON INOP	1
362216	ENGINE 2 PYLON INOP	1
362217	APU LOOP	1
362216	L WING LOOP A	2
362216	L WING LOOP B	2
362216	R WING LOOP A	2
362216	R WING LOOP B	2

6. Remove the warning notice.
7. De-energize the aircraft electrical circuits (Ref. AMM TASK 24-41-00-862-801).

## 7 TEST RESULTS

Test results have to be logged on Table 1 and any additional observations have to be recorded.

Task	Test result	Date
Operational test of the overheat detection system		

*Table 1. List of tasks*

**IMPORTANT NOTE:** Any comments or remarks arisen during test execution shall be written down here and sent to Engineering Department. Non-conformities shall be processed according to CASA-1023

**NOTE:** In Case of NCS, write down its number on Table 2

N.C.S. Number	Date

*Table 2*

**NOTE:** After this functional test execution, stamp the correspondent operation on the Production Order.

**NOTE:** Every result sheet must be stamped and attached to Production Order.

<b>STAMP:</b>	
<b>DATE:</b>	