CHAPTER 16

A16.0 - INADVERTENT ACTIVATION TEST

16.1. TEST SPECIFICATIONS AND PROGRAMME

Following Section A16.0 of RTCM Recommended Standards for 406 MHz Satellite EPIRBs (Version 2.0 Feb 5,1997) :

• Install the unit consisting of satellite EPIRB (on ready position) and its release mechanism in the test bracket .

• Direct a stream from a hose at the EUT for a period of five minutes :

- diameter of the nozzle = 63.5 mm,
- water delivery rate ≈ 2300 liters per minute,
- the end of the nozzle is 3.5 m away from the EUT and 1.5 m above the base of antenna .

• During the test rotate the EPIRB unit so that water strikes the EUT from all directions over an arc of least 180°.

• Verify that the EUT don't release from its bracket, nor don't it automatically activate as a result of the water from the hose stream.

16.2. EQUIPMENT UNDER TEST

Beacon Unit : 2/2
Name : JOTRON
Type : TRON 40GPS
Number : 7001

16.3. TEST SITE

Toulouse Space Center (C.S.T./ ITS) - INTESPACE Laboratory (exterior).).

16.4. TEST EQUIPMENT

• Fire hydrant .

• Debitmeter .

• Mechanical support .

• Cospas/Sarsat Receiver : SERPE-IESM RMD01 S/N 004996

• Argos - Cospas/Sarsat Test Bench

16.5. TEST IMPLEMENTATION AND RESULTS

Date	Time	Operations	Comments
27 July, 2000	9:00	Test preparation	
	9:30	Start watering at about 2300 liters of water per minute.	Nothing abnormal to note
		Rotation of satellite EPIRB (180°)	No automatic activation
	9:35	End watering .	
		Visual inspection :	OK
	9:45	Beacon with release mechanism cleanned and dryed.	

See photos next pages

INADVERTENT ACTIVATION

INADVERTENT ACTTIVATION
Continuation