

QinetiQ



STATEMENT OF OPINION

QinetiQ (formerly known as DERA) is appointed by the UK Department of Trade and Industry to act as notified body in accordance with Directive 1999/5/EC of The European Parliament and of The Council, of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity

This Opinion is provided at the request of the Applicant:-

Dennis London
ACR Electronics Inc.
1 Rose Cottages, Pitmore Lane
Sway, Lymington, SO41 6BX
United Kingdom

And concerns the equipment designated and identified as :-

ACR Electronics - Thunderbird SSAS, Ship Security Alert System

as detailed on sheet 2 and manufactured by:-

ACR Electronics Inc
5757 Ravenswood Road
Fort Lauderdale
Florida FL33312
USA

IT IS THE OPINION OF QinetiQ NOTIFIED BODY THAT: The equipment detailed above meets with the essential requirements of Directive 1999/5/EC, based upon the examination of the technical construction file submitted on the authority of the individual named above, in accordance with the conformity procedure defined in Annex IV of the Directive.

In particular compliance with the essential requirements detailed in the following Articles of the Directive has been considered:

Article 3(1)(a)	the protection of health and safety
Article 3(1)(b)	electromagnetic compatibility requirements
Article 3(2)	effective use of the spectrum and avoidance of harmful interference

The technical evidence provided has been found complete and sufficient to justify a presumption of conformity with the above listed essential requirements.

SIGNED:

P J Goddard

Authorised Signatory

DATE:

30th March 2005

Statement Number:

QQ-RTTE-09/05-01

QinetiQ
Cody Technology Park
Ively Road, Farnborough
Hampshire. GU14 0LX

Condition of Issue:- This statement may only be used in its entirety and not reproduced in part.

Equipment Schedule

The applicant declared that the equipment identified below forms a working 5W, 406.028MHz, COSPAS SARSAT Ship Security Alert System (SSAS):

Hardware configuration – RLB 33S:	Product No.:-
SSAS Transmitter unit	2800
Antenna 406MHz - Cross-Dipole	2810
SSAS Transmitter Lithium battery pack	1096
Activation switches, test switch & cable assembly	2820
Software configuration:	
Embedded control software	A3-06-2441

Additional Designations: None

Intended Use of the Equipment

This opinion takes into account the intended use of the equipment which has been declared as follows:

The intended application for the ACR – Thunderbird SSAS is as a ship security alert system under IMO/SOLAS 74 Convention as amended Reg. XI-2/6. This equipment is within the definitions contained in IMO Resolution MSC.136(76), MSC.147(77) and MSC. Circ 1072.

Additional Observations

The following observations are made by the notified body regarding the suitability of the above equipment:
The Thunderbird-SSAS must be programmed with the ship's MMSI and needs to be connected to a GNSS position fixing device (IEC 61162-1/NMEA-0183 port).
The Thunderbird-SSAS is based on identical electronics used in the ACR –RLB 33 EPIRB which has a COSPAS-SARSAT Type Approval certificate No.108 dated 16 July 2002. The RLB 33S-SSAS has been issued with a dedicated COSPAS-SARSAT Type Approval certificate for a SSAS. No.141 dated 26 August 2004.

Compliance with Harmonised Standards

No R&TTE harmonised standards have been published in the Official Journal for this type of equipment as of the date of issue of this statement

Compliance with Non-Harmonised Standards

Technical evidence has been taken into consideration regarding compliance of the equipment with all or part of the following standards:

COSPAS-SARSAT T.007 Iss3 Rev 9, EN 60945: 2002.

Equipment Marking

The equipment shall be marked, under the responsibility of the applicant, with the CE conformity marking according to Annex VII of the Directive, signifying compliance of the equipment with all relevant essential requirements.

The CE conformity marking shall be accompanied by the identification number of this notified body, and by the equipment class identifier, as follows:

CE 0191 

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