



NOTIFIED BODY
No 0191

CERTIFICATE OF TYPE APPROVAL

(EC Certificate of Type Examination - Module B)
(Marine Equipment Directive - 96/98/EC)

Applicant:-
Chelton Avionics (Pty) Ltd
t/a ACR South Africa
PO Box 951
Somerset West, 7129
South Africa

Manufacturer:-
Chelton Avionics (Pty) Ltd
t/a ACR South Africa
95a Main Road
Somerset West, 7130
South Africa

This is to certify that the applicant has submitted details of a:-

**9 GHZ SEARCH AND RESCUE RADAR TRANSPONDER
(COMMISSION DIRECTIVE 2002/75/EC – ITEM A.1/4.18)**

Of system type known and designated as:-

ACR Pathfinder 3 SART

(Comprising component parts and having technical characteristics shown in shedule 1)
and that these have been assessed, tested and when used in a combination of component parts as
described in the attached schedules, is CERTIFIED as complying with the relevant parts of:

IEC 61097-1 : 1992 “Marine Search and Rescue Transponders”

IEC 60945 : 2002 “General Requirements for marine equipment” - EMC Clauses

(being Operational requirements - Methods of testing and test results, performance specification,
published by the International Electrotechnical Commission and by the British Standards Institution
as BS EN61097-1 :1993 and BS EN60945 :2002)

It is also RECOGNISED that the equipment conforms to performance standards not inferior to those
adopted by the International Maritime Organisation, and which are contained in Resolution A802(19)
and the relevant parts of Resolution A694(17).

SIGNED:

DATE of ISSUE: 4th November 2003

DATE of EXPIRY : 3rd November 2008

P J Goddard Authorised Signatory

Certificate Number: QQ-MED-48/03-02

**This Certificate is Valid until expiry date shown, subject to the
standard conditions of issue printed on the attached schedule
QinetiQ is not involved in this manufacturers Module D compliance.**

QinetiQ
Fraser Range
Fort Cumberland Road, Eastney
Portsmouth, Hampshire. PO4 9LJ



Maritime and Coastguard Agency
The MCA is an Executive Agency of the Department
of Transport, Local Government and the Regions

*Under the terms of the United Kingdom Statutory Instrument, No 1957 : 1999, the QinetiQ Group PLC (formerly known as DERA) has been
Notified to the European Commission by the Maritime and Coastguard Agency as a Body authorised to conduct Conformity Assessment
procedures under the provisions of the European Council Directive 96/98/EC on Marine Equipment and issue Certificates of Type Approval.*

Certificate of Type Approval - Schedule 1 ACR Pathfinder 3 SART

The applicant declared that the following units comprise the Search And Rescue Transponder equipment of the system designation given above. These units have been assessed & tested, and satisfactory details of these units were included in the technical file. These units form systems consistent with the Item Description A1/4.18, given in Annex A1 of Commission Directive 2002/75/EC.

MAIN UNIT Comprising:-

ACR Pathfinder 3 SART Transponder

P/N 2714

INTERNAL BATTERIES:

Battery Pack Type
Lithium Cells (pack of 2)

Pack Designation
PH0205-0100-AA1

-----End of List.

*NOTES:-

Technical Characteristics

FREQUENCY OF OPERATION	TRANSMIT:	9.2 to 9.5 GHz
	RECEIVE:	9.2 to 9.5 GHz
CHANNELS	N/A	Swept response covers transmit frequency band
EMISSION CODE	300MP0NAN	12 sweep response
DSC CLASS	None	
RF POWER OUTPUT	400mW to 1W	Fixed
IEC 61162-1 SERIAL PORTS	None	Not require for this equipment.
Temperature Range & IEC 945 Class	20°C to +55°C Portable	Operational
Power Supply	5.7V	Internal Lithium primary cells, may be user replaceable.

Conditions of Issue of this certificate are printed the reverse of this sheet.

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