

S4 Rescue SART
FCC CFR PART 80
80.1101 COMPLIANCE REPORT

COMPILED BY	CHECKED BY	ENGINEERING APPROVAL
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Part 80.1101 Performance standards

B.) All equipment specified in this subpart must meet the general requirements for shipboard equipment listed below.

1.) IMO Resolution A.694(17)1991,

Compliance with IMO Resolution A.694 (17) 1991.

General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids.

Annex

Recommendation on general requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids.

1. Introduction
2. General
3. Operation

3.1 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.1 and 3.2.2.

3.2 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.1 and 3.2.4

3.3 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.5.

3.4 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.2.

3.5 The S4 rescue SART is a stand-alone unit, and comprises no features to enable connection to other equipment. Unit complies.

3.6 The S4 rescue SART has no digital panel or alphanumeric keyboard. Unit complies.

4. Power supply

S4 rescue SART complies, the unit operates only from its own internal power supply.

5. Durability and resistance to environmental conditions

S4 rescue SART complies. Please refer to Compliance matrix for IMO Resolution A.697 (17) on page 3 of this report.

6. Interference

- 6.1 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 pages 35 to 44.
- 6.2 S4 rescue SART complies, There is no mechanical noise generated by the unit.
- 6.3 S4 rescue SART complies, The compass safe distance is clearly labelled on the unit (1.5M).

7 Safety precautions

- 7.1 S4 rescue SART complies, there are no exposed voltage sources present.
- 7.2 S4 rescue SART complies, there are no exposed metallic parts.
- 7.3 S4 rescue SART complies, the unit is supplied with a 1m-mounting pole. Once extended the unit operates well above the area of use.
- 7.4 S4 rescue SART complies, the unit does not contain a vacuum tube.

8. Maintenance

- 8.1 S4 rescues SART complies, the unit contains no user serviceable parts
- 8.2 S4 rescues SART complies, the unit has been constructed to be readily accessible for inspection, even once installed.
- 8.3 S4 rescues SART complies, please refer to the submission Battery Pack Label 86-471-XXXD Issue 1. The unit contains no user serviceable parts.

9. Marking and identification

S4 rescue SART complies, please refer to the submission Product Label 86-426-XXXD Issue 1.

- 2.) CCITT Recommendation E.161, Not used on a telephone network
- 3.) CCITT Recommendation Q.11, Not used as part of a telephone service
- 4.) IEC Publication 92-101, Not applicable, the S4 Rescue SART has an internal power supply.
- 5.) IEC Publication 533 1977, Complies refer to Type Approval Report RM 610860/01 pages 35 to 44.
- 6.) IEC Publication 945 1988, Superseded by IEC 945 2002.
- 7.) ISO Standard 3791 1976(E), Not applicable, Not to be used with office equipment.

C.) The equipment specified in this subpart must also conform to the appropriate performance standards listed below which are incorporated by reference.

- 1.) Navtex receivers IMO Resolution A.525 (13), Not applicable.

- 2.) VHF radio equipment IMO Resolution A.609 (15), Not applicable.
- 3.) MF radio equipment IMO Resolution A.610(15), Not applicable
- 4.) MF/HF radio equipment IMO Resolution A.613 (15), Not applicable.
- 5.) 406MHz EPIRBs IMO Resolution A.611 (15), Not applicable.
- 6.) 9GHz radar transponders IMO Resolution A.604 (15) 1987, Revoked by IMO A.697 (17) 1991.

Compliance with IMO Resolution A.697 (17).

Performance standards for survival craft radar transponders for use in search and rescue operations.

Annex

Recommendation on performance standards for survival craft radar transponders for use in search and rescue operations.

1. Introduction
2. General
 - 2.1.1 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.1.
 - 2.1.2 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.2.
 - 2.1.3 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.3.
 - 2.1.4 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.4.
 - 2.1.5 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.5.
 - 2.1.6 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.6
 - 2.1.7 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.7 and page 14 clause no. 6.2.7.
 - 2.1.8 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.8 and page 15 clause no. 6.2.8.
 - 2.1.9 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.9 and page 16 clause no. 6.2.9.
 - 2.1.10 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.10.
 - 2.1.11 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.11 and page 79 Annex B, page B.15.
 - 2.1.12 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.12 and page 70 Annex B, page B.6.
 - 2.1.13 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.13.
 - 2.1.14 S4 rescue SART complies, please refer to Type Approval Report RM 610860/01 page 11 clause no. 3.2.14.

ii) CCIR Recommendation 628-1 1990, Replaced by ITU-R M, 628-3 1994, Complies.

Technical characteristics of ITU-R M.628-3 ANNEX 1 form the technical requirements of IEC 1097-1 2002(E).

ITU-R M.628-3 makes no recommendations on the measurement procedure used for assessing the performance of a SART. Compliance is through Type Approval testing to IEC 1097-1 2002(E).

IEC 1097-1 2002(E) states the method of measurement and the required results for compliance, results can be viewed in the Type Approval Report RM 610860/01 included with McMurdo Ltd FCC submission.

- 7.) Two-way VHF radiotelephone IMO Resolution A.605 (15) 1987, Not applicable.
- 8.) INMARSAT-A SES IMO Resolution A.698 (17) 1991, Not applicable.
- 9.) INMARSAT-C SES IMO Resolution A.633 IMO Resolution A.633 (16) 1989, Not applicable.
- 10.) INMARSAT EGC IMO Resolution A.664 (16) 1989, Not applicable.