

TEST REPORT

REVISIONS			
Revision Level	Approval	Date	Description
-			
A			Released Per ECO

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DRAWN. Bill Cox	1/4/2000
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ENG Bill Cox	1/4/2000
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SIZE	CODE IDENT NO	Of 4
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**IMO Resolution
 809(19)
 SR-102
 Radio Test Report**

DRAWING NO Test Report

REV A

**Test Report for compliance to IMO 809(19).
SR-102 Survival Radio**

Test Equipment

- 1) Thermatron Model f-22-CHV-15-15
- 2) IFR Communication Monitor. Model FM/AM 500 A, Calibration date 10/21/99
- 3) HP 8591E Spectrum Analyzer Calibration date 11/5/99
- 4) Test Point Application Software

Testing Report for SR-102

General

- 1) Compliance to 2.3.2 of IMO 809(19). Be capable of operation by personnel wearing gloves as specified for immersion in regulation 33 of chapter III of the 1974 SOLAS Convention.
The unit was tested wearing specified gloves above and all functions of the radio were capable of operation.



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- 2) Compliance to 2.3.13 of IMO 809(19). The radio is enclosed in highly visible yellow case. See Figure 1.



FIGURE 1. (SR-102 Survival radio)

Environmental Condition

- 3) Compliance to 11.0 of IMO 809(19). The equipment should so designed as to not be damaged in stowage throughout the temperature range of -30 to $+70^{\circ}\text{C}$.

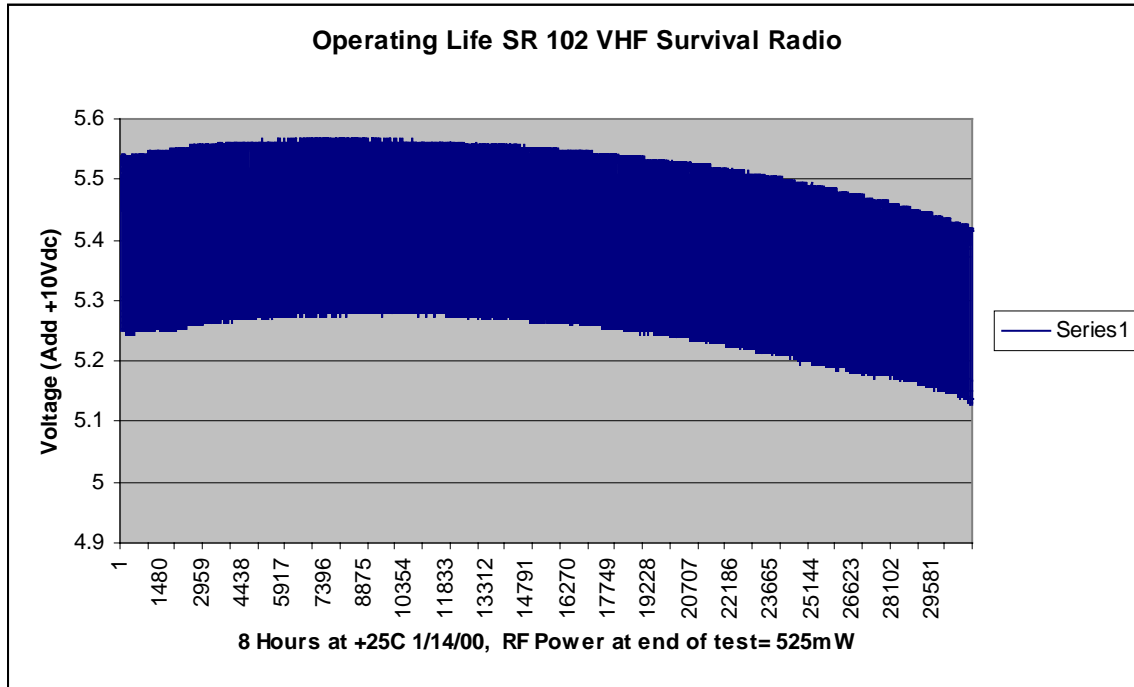
The Radio was stored in $+70$ degrees environment for 24 hours then removed from the oven and tested for functionality and operating life.

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Operating life is defined as per IMO 809(19) 12.4. The Primary battery should have sufficient capacity to ensure 8-hour operation at its highest rated power with a duty cycle of 1:9, This is defined as 6 second transmission, 6 seconds reception above squelch, and 48 second reception below squelch opening level.

Unit passed all parameters. Unit Complies. See Figure 2.

Figure 2 Operating Life SR 102 Survival Radio.



Power Supply

- 4) Compliance to 12.2 of IMO 809(19). The dedicated primary battery is shipped with a non-replaceable seal to indicate that it has not been used. See figure 3.
- 5) Compliance to 12.5 of IMO 809(19). The radio is fitted with a highly visible yellow primary battery. See figure 3.

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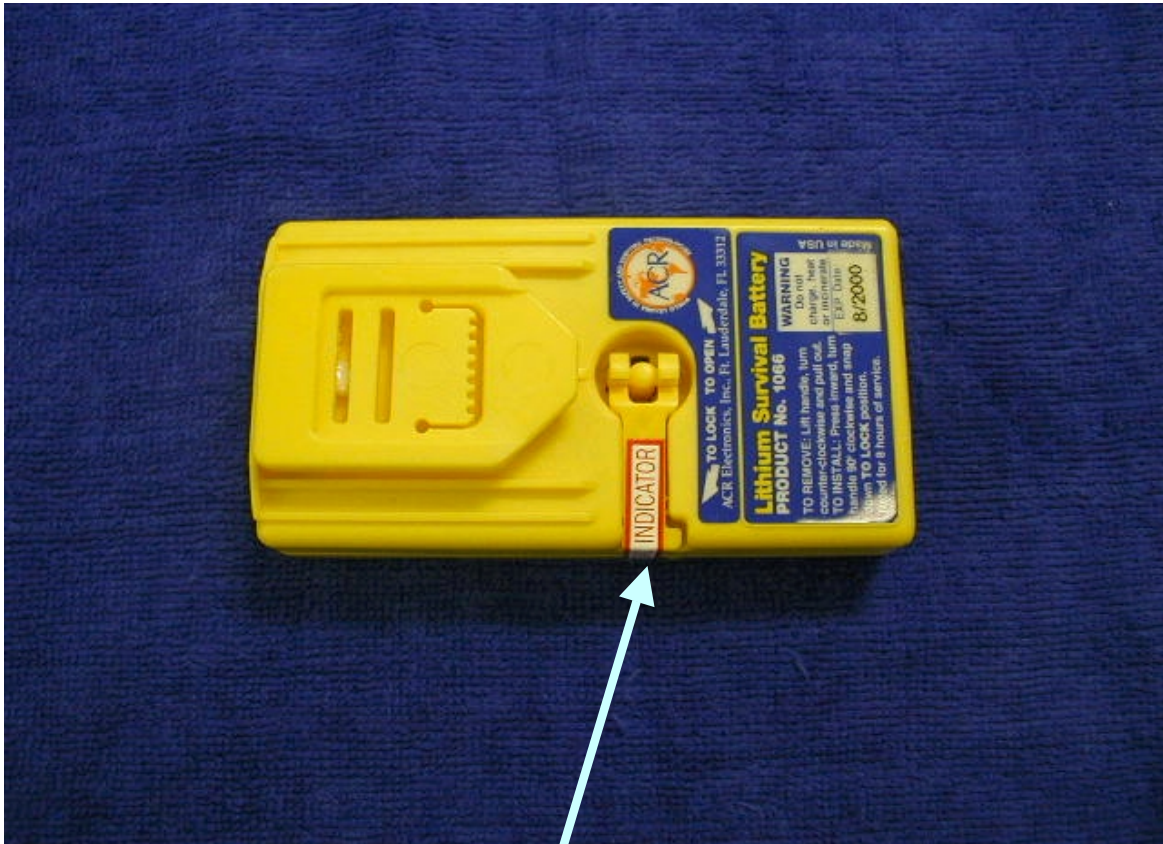


FIGURE 3. (Indicator Label on locking arm of Battery.)

- 6) Compliance to 12.6 of IMO 809(19). Batteries not intended for use in the event of a distress situation should be of a color or marking such that they cannot be confused with batteries intended for such use. Rechargeable batteries are labeled not for GMDSS use. See Figure 4.

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FIGURE 4. (MaxCap Rechargeable Battery)

Test Performed By. Bill Cox, Product Engineer.

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