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Technical characteristics and methods of measurement for two-way VHF radiotelephone apparatus for fixed installation in survival craft

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**Technical characteristics and methods of measurement
for two-way VHF radiotelephone apparatus
for fixed installation in survival craft**

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Contents

Intellectual Property Rights	7
Foreword.....	7
Modal verbs terminology.....	7
1 Scope	8
2 References	8
2.1 Normative references	8
2.2 Informative references.....	8
3 Definitions, symbols and abbreviations	9
3.1 Definitions.....	9
3.2 Symbols.....	9
3.3 Abbreviations	9
4 General requirements	10
4.1 Construction	10
4.2 Frequencies and power	10
4.3 Controls	10
4.4 Switching time.....	11
4.5 Safety precautions	11
4.6 Class of emission and modulation characteristics	11
4.7 Power supply	11
4.7.1 Power supply capacity	11
4.7.2 Primary batteries.....	11
4.7.3 Secondary batteries.....	12
4.7.4 Connection to a survival craft battery	12
4.8 Labelling.....	12
4.9 Audio processing.....	12
5 Test conditions, power sources and ambient temperatures	13
5.1 Normal and extreme test conditions	13
5.2 Test power source.....	13
5.3 Normal test conditions.....	13
5.3.1 Normal temperature and humidity	13
5.3.2 Normal power sources	13
5.3.2.1 External battery power source.....	13
5.3.2.2 Integrated battery power source	13
5.4 Extreme test conditions	13
5.4.1 Extreme temperatures	13
5.4.1.1 Upper extreme temperature.....	13
5.4.1.2 Lower extreme temperature	13
5.4.2 Extreme test power supply values.....	14
5.4.2.1 Upper extreme test voltage.....	14
5.4.2.1.1 External battery power source	14
5.4.2.1.2 Internal battery power source	14
5.4.2.2 Lower extreme test voltage	14
5.4.2.2.1 External battery power source	14
5.4.2.2.2 Internal battery power source	14
5.5 Procedure for tests at extreme temperatures.....	14
6 General conditions of measurement	14
6.1 Test connections	14
6.2 Arrangements for test signals applied to the receiver input.....	15
6.3 Receiver mute or squelch facility	15
6.4 Normal test modulation	15
6.5 Artificial antenna.....	15
6.6 Test channels	15
6.7 Measurement uncertainty and interpretation of the measuring results	15
6.7.1 Measurement uncertainty.....	15

6.7.2	Interpretation of the measurement results	16
7	Environmental tests	16
7.1	Introduction	16
7.2	Procedure.....	16
7.3	Performance check	16
7.4	Vibration test.....	16
7.4.1	Definition.....	16
7.4.2	Method of measurement	17
7.4.3	Requirement.....	17
7.5	Shock tests.....	17
7.5.1	Definition.....	17
7.5.2	Method of measurement	17
7.5.3	Requirement.....	17
7.6	Temperature tests	18
7.6.1	General.....	18
7.6.2	Dry heat cycle	18
7.6.2.1	Method of measurement.....	18
7.6.2.2	Requirement	18
7.6.3	Damp heat cycle	18
7.6.3.1	Method of measurement.....	18
7.6.3.2	Requirement	18
7.6.4	Low temperature cycle.....	19
7.6.4.1	Method of measurement.....	19
7.6.4.2	Requirement	19
7.7	Corrosion test	19
7.7.1	General.....	19
7.7.2	Method of measurement	19
7.7.3	Requirements	20
7.8	Immersion test	20
7.8.1	Method of measurement	20
7.8.2	Requirements	20
7.9	Thermal shock	20
7.9.1	Method of measurement	20
7.9.2	Requirements	20
7.10	Oil resistance test.....	20
7.10.0	Applicability	20
7.10.1	Method of measurement	21
7.10.2	Requirement.....	21
8	Transmitter	21
8.0	General	21
8.1	Frequency error	21
8.1.1	Definition.....	21
8.1.2	Method of measurement	21
8.1.3	Limit	21
8.2	Carrier power.....	21
8.2.1	Definitions	21
8.2.2	Method of measurement	22
8.2.3	Limits.....	22
8.3	Frequency deviation	22
8.3.1	Definition.....	22
8.3.2	Maximum frequency deviation.....	22
8.3.2.1	Method of measurement.....	22
8.3.2.2	Limit.....	22
8.3.3	Reduction of frequency deviation at modulation frequencies above 3 kHz.....	22
8.3.3.1	Method of measurement.....	22
8.3.3.2	Limits	22
8.4	Sensitivity of the modulator, including microphone	23
8.4.1	Definition.....	23
8.4.2	Method of measurement	23
8.4.3	Limit	23

8.5	Audio frequency response	23
8.5.1	Definition	23
8.5.2	Method of measurement	23
8.5.3	Limit	23
8.6	Audio frequency harmonic distortion of the emission.....	24
8.6.1	Definition.....	24
8.6.2	Method of measurement	24
8.6.2.1	Normal test conditions	24
8.6.2.2	Extreme test conditions	24
8.6.3	Limit	24
8.7	Adjacent channel power	24
8.7.1	Definition.....	24
8.7.2	Method of measurement	24
8.7.3	Limit	25
8.8	Conducted spurious emissions conveyed to the antenna	25
8.8.1	Definition.....	25
8.8.2	Method of measurement	25
8.8.3	Limit	25
8.9	Cabinet radiation and conducted spurious emissions other than those conveyed to the antenna	25
8.9.1	Definitions	25
8.9.2	Method of measurement	25
8.9.3	Limits.....	26
8.10	Residual modulation of the transmitter	26
8.10.1	Definition.....	26
8.10.2	Method of measurement	26
8.10.3	Limit	27
8.11	Transient frequency behaviour of the transmitter.....	27
8.11.1	Definitions	27
8.11.2	Method of measurement	27
8.11.3	Limits.....	28
9	Receiver.....	30
9.1	Harmonic distortion and rated audio frequency output power	30
9.1.1	Definition.....	30
9.1.2	Methods of measurement.....	30
9.1.3	Limits.....	30
9.2	Audio frequency response	30
9.2.1	Definition.....	30
9.2.2	Method of measurement	30
9.2.3	Limits.....	31
9.3	Maximum usable sensitivity.....	31
9.3.1	Definition.....	31
9.3.2	Method of measurement	31
9.3.3	Limits.....	32
9.4	Co-channel rejection.....	32
9.4.1	Definition.....	32
9.4.2	Method of measurement	32
9.4.3	Limit	32
9.5	Adjacent channel selectivity.....	32
9.5.1	Definition.....	32
9.5.2	Method of measurement	32
9.5.3	Limits.....	33
9.6	Spurious response rejection.....	33
9.6.1	Definition.....	33
9.6.2	Method of measurement	33
9.6.3	Limit	33
9.7	Intermodulation response	33
9.7.1	Definition.....	33
9.7.2	Method of measurement	33
9.7.3	Limit	34
9.8	Blocking or desensitization	34
9.8.1	Definition.....	34

9.8.2	Method of measurement	34
9.8.3	Limit	34
9.9	Conducted spurious emissions	34
9.9.1	Definition.....	34
9.9.2	Method of measurement	34
9.9.3	Limit	34
9.10	Radiated spurious emissions.....	35
9.10.1	Definition.....	35
9.10.2	Method of measurements.....	35
9.10.3	Limit	35
9.11	Amplitude response of the receiver limiter	36
9.11.1	Definition.....	36
9.11.2	Method of measurement	36
9.11.3	Limit	36
9.12	Receiver noise	36
9.12.1	Definition.....	36
9.12.2	Method of measurement	36
9.12.3	Limit	36
9.13	Squelch operation.....	36
9.13.1	Definition.....	36
9.13.2	Method of measurement	36
9.13.3	Limits.....	37
9.14	Squelch hysteresis	37
9.14.1	Definition.....	37
9.14.2	Method of measurement	37
9.14.3	Limit	37
10	Secondary battery charger	37
10.1	General	37
10.2	Environmental tests	38
10.2.1	Introduction.....	38
10.2.2	Vibration test	38
10.2.2.1	Definition	38
10.2.2.2	Method of measurement.....	38
10.2.2.3	Requirement	38
10.2.3	Shock tests	38
10.2.3.1	Definition	38
10.2.3.2	Method of measurement.....	38
10.2.3.3	Requirement	39
10.2.4	Temperature tests.....	39
10.2.4.1	General	39
10.2.4.2	Dry heat cycle	39
10.2.4.3	Damp heat cycle.....	39
10.2.4.4	Low temperature cycle.....	39
10.2.5	Corrosion test.....	40
10.2.5.1	General	40
10.2.5.2	Method of measurement.....	40
10.2.5.3	Requirements	40
10.3	Charging time	40
Annex A (normative): Measuring receiver for adjacent channel power measurement.....		41
A.1	Power measuring receiver specification.....	41
A.1.0	Description	41
A.1.1	IF filter	41
A.1.2	Attenuation indicator.....	42
A.1.3	rms value indicator	42
A.1.4	Oscillator and amplifier.....	42
History		43

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Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

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Modal verbs terminology

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1 Scope

The present document states the minimum technical characteristics required for VHF radiotelephone equipment, operating in the bands between 156 MHz and 174 MHz allocated to the Maritime Mobile Services and suitable for fixed installations in survival craft in accordance with the provisions of the Global Maritime Distress and Safety System (GMDSS). The relevant requirements detailed in the Radio Regulations [5], International Convention for the Safety Of Life At Sea SOLAS 1974 [4] and the International Maritime Organization Resolutions A.694 [i.3] and A.809 [i.2] as well as all relevant requirements of CENELEC EN 60945 [i.5] are incorporated in the present document.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

- [1] Recommendation ITU-T O.41 (1994): "Psophometer for use on telephone-type circuits".
- [2] IEC 60068-2-27: 2008 Edition 4.0: "Environmental testing. Part 2-27: Tests - Test Ea and guidance: Shock".
- [3] ISO 25862 (2009): "Ships and marine technology -- Marine magnetic compasses, binnacles and azimuth reading devices".
- [4] SOLAS 1974: "International Maritime Organization (IMO), International Convention for the Safety Of Life At Sea (SOLAS), (1974 as amended)".
- [5] ITU Radio Regulations (2012), Appendix 18: "Table of transmitting frequencies in the VHF maritime mobile band".
- [6] ETSI TS 103 052: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Radiated measurement methods and general arrangements for test sites up to 100 GHz".

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] Void.
- [i.2] International Maritime Organization Resolution A.809 (19): "Performance standards for survival craft two way VHF radiotelephone apparatus".
- [i.3] International Maritime Organization Resolution A.694 (17): "General requirements for shipborne radio equipment forming part of the Global Maritime Distress and Safety System (GMDSS) and for Electronic Navigational Aids".

- [i.4] Void.
- [i.5] CENELEC EN 60945 (2002) + Corrigendum 1 (2008): "Maritime navigation and radio communication equipment and systems - General requirements - Methods of testing and required test results".
- [i.6] ETSI TR 100 028 (All parts): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics".

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