

STN	Námorné VHF zariadenia na lokalizáciu preživších využívajúce digitálne selektívne volanie (DSC trieda M) Harmonizovaná norma pre prístup k rádiovému spektru a pre funkcie pre tiesňové služby	STN EN 303 132 V2.1.1 87 3132
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Maritime VHF survivor locating devices employing Digital Selective Calling (DSC Class M); Harmonised Standard for access to radio spectrum and for features for emergency services

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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**Maritime VHF survivor locating devices employing Digital
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for features for emergency services**

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Foreword

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

The present document has been prepared under the Commission's standardisation request C(2015) 5376 final [i.2] to provide one voluntary means of conforming to the essential requirements of Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC [i.1].

Once the present document is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of the present document given in table A.1 confers, within the limits of the scope of the present document, a presumption of conformity with the corresponding essential requirements of that Directive and associated EFTA regulations.

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1 Scope

The present document specifies technical characteristics and methods of measurements for Maritime Survivor Locating Devices (MSLDs) (man overboard devices) employing class M DSC signalling and AIS position locating signalling according to ETSI EN 300 338-6 [1], on the VHF maritime channels 70, AIS 1 and AIS 2.

Class M MSLD (man overboard devices) are included in group A Autonomous Maritime Radio Devices (AMRDs) according to Recommendation ITU-R M.2135.0 [i.6]. The present document incorporates the relevant provisions of the International Telecommunication Union (ITU) radio regulations [i.4] included in Recommendation ITU-R M.493-15 [2] and Recommendation ITU-R M.1371-5 [i.7].

The present document does not provide technical requirements for conformance with the essential requirements of Directive 2014/53/EU [i.1] for any integrated GNSS receiver providing locating function.

NOTE: The relationship between the present document and essential requirements of article 3.2 and 3.3(g) of Directive 2014/53/EU [i.1] is given in annex A.

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] ETSI EN 300 338-6 (V1.2.1) (06-2020): "Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 6: Class M DSC".
- [2] Recommendation ITU-R M.493-15 (01-2019): "Digital selective-calling system for use in the maritime mobile service".
- [3] ETSI TS 103 052 (V1.1.1) (03-2011): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Radiated measurement methods and general arrangements for test sites up to 100 GHz".
- [4] Recommendation ITU-T O.153 (10-1992): "Basic parameters for the measurement of error performance at bit rates below the primary rate".
- [5] IEC 60945 (2002 with COR1:2008): "Maritime Navigation and Radiocommunication Equipment and Systems - General Requirements - Methods of Testing and Required Test Results".

2.2 Informative references

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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] Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC.
- [i.2] Commission Implementing Decision C(2015) 5376 final of 4.8.2015 on a standardisation request to the European Committee for Electrotechnical Standardisation and to the European Telecommunications Standards Institute as regards radio equipment in support of Directive 2014/53/EU of the European Parliament and of the Council.
- [i.3] ETSI EG 203 336 (V1.2.1): "Guide for the selection of technical parameters for the production of Harmonised Standards covering article 3.1(b) and article 3.2 of Directive 2014/53/EU".
- [i.4] ITU-R Radio Regulations (2020).
- [i.5] ETSI TS 101 570-6 (V1.1.1): "Interoperability Testing for Maritime Digital Selective Calling (DSC) Radios; Part 6: VHF Class M Test Descriptions".
- [i.6] Recommendation ITU-R M.2135.0 (10/2019): "Technical characteristics of autonomous maritime radio devices operating in the frequency band 156-162.05 MHz".
- [i.7] Recommendation ITU-R M.1371-5 (02/2014): "Technical characteristics for an automatic identification system using time-division multiple access in the VHF maritime mobile band".
- [i.8] Recommendation ITU-R M.585-8 (10/2019): "Assignment and use of identities in the maritime mobile service".
- [i.9] IMO Annex 11 - Resolution MSC.149 (77) - (adopted on 3 June 2003): "Adoption of the revised performance standards for survival craft portable two-way VHF radiotelephone apparatus".
- [i.10] EUROCAE ED-14G: "Environmental conditions and test procedures for airborne equipment".
- [i.11] IEC EN 60068-2-64:2008/A1:2019: "Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance".

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