

ETSI EN 301 843-1 V1.3.1 (2012-08)



**Electromagnetic compatibility
and Radio spectrum Matters (ERM);
ElectroMagnetic Compatibility (EMC)
standard for marine radio equipment and services;
Part 1: Common technical requirements**

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Foreword

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

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Directive 98/34/EC [i.8] as amended by Directive 98/48/EC [i.10].

The present document is intended to become a Harmonized Standard, the reference of which will be published in the Official Journal of the European Communities referencing the Council Directive on the approximation of the laws of the Member States relating to electromagnetic compatibility ("the EMC Directive") (2004/108/EC [i.3] as amended), and Directive 1999/5/EC [i.4] of the European Parliament and of the Council of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity ("the R&TTE Directive" [i.4]).

Technical specifications relevant to the EMC Directive [i.3] and the R&TTE Directive [i.4] are given in annex A.

The present document is based upon the standard for marine navigational equipment EN 60945 [1], and other standards where appropriate, to meet the essential requirements of Council Directives 2004/108/EC [i.3] and 1999/5/EC [i.4] respectively.

The present document, and its product related parts are based on the current EMC product standards for marine radio equipment published by ETSI. It should be noted that two of these EMC standards have also been published in the Official Journal of the European Commission referring to the EMC Directive [i.3].

The present document is part 1 of a multi-part deliverable covering the ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services, as identified below:

- Part 1:** "Common technical requirements";
- Part 2: "Specific conditions for VHF radiotelephone transmitters and receivers";
- Part 3: Void;
- Part 4: "Specific conditions for Narrow-Band Direct-Printing (NBDP) NAVTEX receivers";
- Part 5: "Specific conditions for MF/HF radiotelephone transmitters and receivers";
- Part 6: "Specific conditions for Earth Stations on board Vessels operating in frequency bands above 3 GHz".