



# SLOVENSKI STANDARD

## SIST EN 302 617-2 V2.1.1:2016

01-marec-2016

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**Talni UHF radijski oddajniki, sprejemniki in sprejemniki-oddajniki za UHF aeronavtično mobilno storitev, ki uporablja amplitudno modulacijo - 2. del: Harmonizirani standard, ki zajema bistvene zahteve člena 3.2 direktive 2014/53/EU**

Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation - Part 2: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

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**Ta slovenski standard je istoveten z: EN 302 617-2 V2.1.1**

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49.090	Oprema in instrumenti v zračnih in vesoljskih plovilih	On-board equipment and instruments

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# ETSI EN 302 617-2 V2.1.1 (2015-12)



**Ground-based UHF radio transmitters,  
receivers and transceivers for the UHF  
aeronautical mobile service using amplitude modulation;  
Part 2: Harmonised Standard covering the essential  
requirements of article 3.2 of the Directive 2014/53/EU**

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## Reference

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## Keywords

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aeronautical, AM, DSB, radio, testing, UHF**ETSI**

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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 in reply to the Commission's standardisation request Commission Implementing Decision C(2015) 5376 final of 04.08.2015 to provide a 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.

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.

The present document is part 2 of a multi-part deliverable covering Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation, as identified below:

- Part 1: "Technical characteristics and methods of measurement"  
<https://standards.iteh.ai/catalog/standards/sist/b5fab661-f74e-41d1-a16d-086d55c22936/sist-en-302-617-2-v2-1-1-2016>
- Part 2: "**Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU**".

### National transposition dates

Date of adoption of this EN:	3 December 2015
Date of latest announcement of this EN (doa):	31 March 2016
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 September 2016
Date of withdrawal of any conflicting National Standard (dow):	30 September 2017

## Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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## Executive summary

The present document covers the essential requirements for efficient use of radio spectrum by DSB AM ground base stations, with channel separations of 25 kHz intended for analogue speech. The present document includes necessary changes due to adaption to the new Radio Equipment Directive.

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# 1 Scope

The present document applies to ground based transmitters, receivers and transceivers. These radio equipment types are capable of operating in all or any part of the aeronautical frequency band between 225 MHz and 399,975 MHz.

The present document contains requirements to demonstrate that "... *Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference*" [i.2].

In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of article 3 of the Directive 2014/53/EU [i.2] as well as essential requirements under the Single European Sky Interoperability Regulation (as amended) [i.3] and related implementing rules and/or essential requirements under the EASA basic regulation 216/2008 [i.5] may apply to equipment within the scope of 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.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

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

- [1] ETSI EN 302 617-1 (V1.1.1) (01-2009): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement".
- [2] ETSI EN 300 113-1 (V1.6.2) (11-2009): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 1: Technical characteristics and methods of measurement".

### 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] ETSI TR 100 028 (all parts) (V1.4.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics".
- [i.2] 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.