



**Ground Based Augmentation System (GBAS)
VHF ground-air Data Broadcast (VDB);
Technical characteristics and methods of measurement for
ground-based equipment;
Harmonized EN covering the essential requirements of
article 3.2 of the R&TTE Directive**

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Foreword

This draft Harmonized European Standard (EN) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM), and is now submitted for the combined Public Enquiry and Vote phase of the ETSI standards EN Approval Procedure.

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Directive 98/34/EC [i.4] as amended by Directive 98/48/EC [i.6].

The title and reference to the present document are intended to be included in the publication in the Official Journal of the European Union of titles and references of Harmonized Standard under the Directive 1999/5/EC [i.1].

See article 5.1 of Directive 1999/5/EC [i.1] for information on presumption of conformity and Harmonized Standards or parts thereof the references of which have been published in the Official Journal of the European Union.

The requirements relevant to Directive 1999/5/EC [i.1] are summarized in annex A.

Proposed national transposition dates

Date of latest announcement of this EN (doa):	3 months after ETSI publication
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Introduction

The present document states the technical specifications for ground-based equipment implementing Very High Frequency (VHF) Digital Broadcast (VDB) air interface, operating in the VHF band (108,000 MHz to 117,975 MHz) in increments of 25 kHz.

NOTE: In ICAO Annex 10, Vol. 1 clause 7.2.3 in attachment D it is stated: "...Until compatibility criteria are developed for GBAS VDB and ILS, VDB cannot be assigned to channels below 112.025 MHz."

The present document is part of a set of standards developed by ETSI and is designed to fit in a modular structure to cover all radio and telecommunications terminal equipment within the scope of the R&TTE Directive [i.1]. The modular structure is shown in EG 201 399 [i.3].

The present document may be used to produce tests for the assessment of the performance of the equipment. The performance of the equipment submitted for type testing should be representative of the performance of the corresponding production model.