

<b>STN</b>	<b>Zariadenia krátkeho dosahu (SRD) využívajúce technológiu ultraširokopásmového pripojenia (UWB). Harmonizovaná norma pre prístup k rádiovému spektru. Radar na meranie hladiny v nádržiach (TLPR) pracujúci vo frekvenčných rozsahoch od 4,5 GHz do 7 GHz, od 8,5 GHz do 10,6 GHz, od 24,05 GHz do 27 GHz, od 57 GHz do 64 GHz, od 75 GHz do 85 GHz</b>	<b>STN EN 302 372 V3.1.1</b>  87 2372
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Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised standard for access to radio spectrum; Tank Level Probing Radar (TLPR) equipment operating in the frequency ranges 4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz, 24,05 GHz to 27 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz

Táto norma obsahuje anglickú verziu európskej normy.  
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# ETSI EN 302 372 V3.1.1 (2025-07)



HARMONISED EUROPEAN STANDARD

**Short Range Devices (SRD)  
using Ultra Wide Band technology (UWB);  
Harmonised standard for access to radio spectrum;  
Tank Level Probing Radar (TLPR) equipment operating in  
the frequency ranges 4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz,  
24,05 GHz to 27 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz**

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**Reference**

REN/ERM-TGUWB-151

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short range, SRD, testing, UWB**ETSI**650 Route des Lucioles  
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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.

<b>National transposition dates</b>	
Date of adoption of this EN:	12 June 2025
Date of latest announcement of this EN (doa):	30 September 2025
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 March 2026
Date of withdrawal of any conflicting National Standard (dow):	31 March 2027

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## Modal verbs terminology

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## Introduction

In order to cover the requirements concerning the receiver requirements communicated by the European Commission the present document is a revision of ETSI EN 302 372 V2.1.1 [i.13] a harmonised standard for Tank Level Probing Equipment within the scope of the Directive 2014/53/EU [i.1]. The standard has been published in the OJEU without restrictions on 10 March 2017 [i.6].

Unlike LPRs [i.7] the TLPRs are always configured to pre-drilled harmonised openings and flanges of the tanks. Thus, with very small openings of e.g. a few centimetres most of the TLPR antennae cannot fulfil the characteristics as required by ETSI EN 302 729-1 [i.7]. Since TLPRs are always installed on metallic tanks, TLPR manufactures have greater freedom creating a TLPR architecture in order to suit the needs of its customers.

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# 1 Scope

The present document specifies technical requirements, limits and test methods for Tank Level Probing Radar (TLPR) equipment operating in the frequency ranges 4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz, 24,05 GHz to 27 GHz, 57 GHz to 64 GHz and 75 GHz to 85 GHz.

Tank Level Probing Radar equipment in the scope of the present document consist of a combined transmitter and receiver and are equipped with an integral or dedicated antenna provided and specified by the equipment manufacturer.

Further details of the covered TLPR equipment can be found in clause 4.2 of the present document.

Technical and regulatory requirements for TLPR are provided in European Commission Implementing Decision (EU) 2025/105 [i.5].

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

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## 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 303 883-1 \(V2.1.1\) \(2024-08\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 1: Measurement techniques for transmitter requirements".
- [2] [ETSI EN 303 883-2 \(V2.1.1\) \(2024-08\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Part 2: Measurement techniques for receiver requirements".
- [3] [ETSI TS 103 789 \(V1.1.1\) \(2023-05\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Radar related parameters and physical test setup for object detection, identification and RCS measurement".
- [4] [ETSI TS 103 941 \(V1.1.1\) \(2024-01\)](#): "Short Range Devices (SRD) and Ultra Wide Band (UWB); Measurement setups and specifications for testing under full environmental profile (normal and extreme environmental conditions)".

## 2.2 Informative references

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- [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 (RE-Directive).
- [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] [CEPT ERC Recommendation 74-01 \(May 2022\)](#): "Unwanted emissions in the spurious domain".
- [i.4] Void.
- [i.5] [Commission Implementing Decision \(EU\) 2025/105](#) of 22 January 2025 amending Decision 2006/771/EC updating harmonised technical conditions in the area of radio spectrum use for short-range devices and repealing Implementing Decision 2014/641/EU on harmonised technical conditions of radio spectrum use by wireless audio programme making and special events equipment in the Union.
- [i.6] Official Journal of the European Union, 13.7.2018: "[Commission communication in the framework of the implementation of Directive 1999/5/EC](#) of the European Parliament and of the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity and Directive 2014/53/EU of the European Parliament and of the Council 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.7] ETSI EN 302 729-1 (V3.1.0) (2025-03): "Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised standard for access to radio spectrum; Part 1: Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz for strictly vertical downward installation".
- [i.8] Void.
- [i.9] ETSI EG 203 336 (V1.2.1) (2020-05): "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.10] ETSI TS 103 567 (V1.1.1) (2019-09): "Requirements on signal interferer handling".
- [i.11] [CEPT ERC Recommendation 70-03 \(June 2024\)](#): "Relating to the use of Short Range Devices (SRD)".
- [i.12] ETSI TS 103 361 (V1.1.1) (2016-03): "Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Receiver technical requirements, parameters and measurement procedures to fulfil the requirements of the Directive 2014/53/EU".
- [i.13] ETSI EN 302 372 (V2.1.1): "Short Range Devices (SRD); Tank Level Probing Radar (TLPR) equipment operating in the frequency ranges 4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz, 24,05 GHz to 27 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU".

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