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Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2: Specification of environmental tests; Sub-part 7: Portable and non-stationary use

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Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Environmental Engineering (EE).

The present document is part 2, sub-part 7 of a multi-part deliverable. Full details of the entire series can be found in part 2, sub-part 0 [i.1].

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Modal verbs terminology

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1 Scope

The present document specifies test methods and severities for the verification of the required resistibility of telecommunication equipment according to the relevant environmental class.

The tests defined in the present document apply to portable and non-stationary use of equipment, covering the environments stated in ETSI EN 300 019-1-7 [1].

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 300 019-1-7 \(V2.1.4\)](#): "Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 1-7: Classification of environmental conditions; Portable and non-stationary use".
- [2] [IEC 60068-2-1 \(03-2007\)](#): "Environmental testing - Part 2-1: Tests - Test A: Cold".
- [3] [IEC 60068-2-2 \(07-2007\)](#): "Environmental testing - Part 2-2: Tests - Test B: Dry heat".
- [4] [IEC 60068-2-14:2023](#): "Environmental testing - Part 2-14: Tests - Test N: Change of temperature".
- [5] [IEC 60068-2-78 \(10-2012\)](#): "Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state".
- [6] [IEC 60068-2-30 \(08-2005\)](#): "Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)".
- [7] [IEC 60068-2-18 \(03-2017\)](#): "Environmental testing - Part 2-18: Tests - Test R and guidance: Water".
- [8] [IEC 60068-2-64 \(2008+A1:2019\)](#): "Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance".
- [9] [IEC 60068-2-27 \(02-2008\)](#): "Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock".
- [10] [IEC 60068-2-31 \(05-2008\)](#): "Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens".

2.2 Informative references

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- [i.1] ETSI EN 300 019-2-0: "Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2: Specification of environmental tests; Sub-part 0: Introduction".
- [i.2] ETSI EN 300 019-1-0: "Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 1-0: Classification of environmental conditions; Introduction".
- [i.3] IEC 60068-2-68 (08-1994): "Environmental testing - Part 2-68: Tests - Test L: Dust and sand".
- [i.4] IEC 60721-3-7 (10-2002): "Classification of environmental conditions - Part 3-7: Classification of groups of environmental parameters and their severities - Portable and non-stationary use".

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