



SLOVENSKI STANDARD

SIST ETS 300 019-2-8:1999

01-november-1999

Inženiring opreme (EE) - Pogoji okolja in preskusi vplivov okolja za telekomunikacijsko opremo – Del 2-8: Specifikacija preskusov vplivov okolja - Mirujoča (stacionarna) uporaba na podzemnih lokacijah

Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2-8: Specification of environmental tests; Stationary use at underground locations

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33.050.01	Telekomunikacijska terminalna oprema na splošno	Telecommunication terminal equipment in general

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**Equipment Engineering (EE);
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Part 2-8: Specification of environmental tests
Stationary use at underground locations**

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Foreword

This multi-part European Telecommunication Standard (ETS) has been produced by the Equipment Engineering (EE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS consists of 2 parts as follows:

Part 1: "Classification of environmental conditions";

Part 2: "Specification of environmental tests".

Part 1 specifies different standardized environmental classes covering climatic and biological conditions, chemically and mechanically active substances and mechanical conditions during storage, transportation and in use.

Part 2 specifies the recommended test severities and test methods for the different environmental classes.

Each part of the standard is divided into sub-parts. Sub-part 2-0 forms a general overview of part 2. This sub-part 2-8 deals with stationary use at underground locations.

Transposition dates	
Date of adoption:	5 September 1997
Date of latest announcement of this ETS (doa):	31 December 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 June 1998
Date of withdrawal of any conflicting National Standard (dow):	30 June 1998

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1 Scope

This European Telecommunication Standard (ETS) specifies test severities and methods for the verification of the required resistibility of equipment according to the relevant environmental class.

The tests in sub-part 2-8 of this multi-part standard apply to stationary use of equipment at underground locations covering the environmental conditions stated in ETS 300 019-1-8 [1].

2 Normative references

This ETS incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 019-1-8: "Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 1-8: Classification of environmental conditions Stationary use at underground locations".
- [2] IEC 68-2: "Basic environmental testing procedures; Part 2: Tests".
- IEC 68-2-1: "Tests A: Cold".
- IEC 68-2-2: "Tests B: Dry Heat".
- IEC 68-2-6: "Test FC: Vibration (Sinusoidal)".
- IEC 68-2-14: "Test N: Change of Temperature".
- IEC 68-2-17: "Test Q: Sealing".
- IEC 68-2-27: "Test Ea and Guidance: Shock".
- IEC 68-2-29: "Tests Eb and Guidance: Bump".
- IEC 68-2-30: "Test Db and Guidance: Damp Heat, Cyclic (12 + 12-Hour Cycle)".
- IEC 68-2-56: "Test Cb: Damp Heat, Steady State, Primarily for Equipment".
- [3] ETS 300 019-2-0: "Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2-0: Specification of environmental tests Introduction".

3 Environmental test specifications

The detailed descriptions of the environmental conditions are in clauses 4 and 5 of ETS 300 019-1-8 [1].

ETS 300 019-2-0 [3] forms a general overview of part 2 of this ETS.

The equipment under test is assumed to be in its operational state throughout the test conditions described in this part unless otherwise stated. The required performance before, during and after the test needs to be specified in the product specification. Input and load conditions of the equipment shall be chosen to obtain full utilization of the equipment under test. The heat dissipation shall be maximized, except for the steady state low temperature test, where it shall be minimized.