



**SLOVENSKI STANDARD**  
**SIST ETS 300 019-1-1 E1:2006**

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Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 1-1: Classification of environmental conditions; Storage

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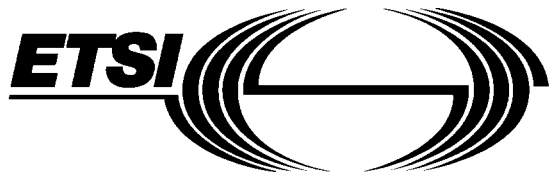
19.040	Preskušanje v zvezi z okoljem	Environmental testing
33.050.01	Telekomunikacijska terminalna oprema na splošno	Telecommunication terminal equipment in general

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Part 1-1: Classification of environmental conditions  
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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 standard is concerned with the environmental conditions and environmental tests for telecommunications equipment and comprises two main parts, each with subdivisions:

- ETS 300 019-1: "Classification of environmental conditions".

This part of the standard, Part 1, specifies different standardised environmental classes covering climatic and biological conditions, chemically and mechanically active substances and mechanical conditions during storage, transportation and in use.

- ETS 300 019-2: "Specification of environmental tests".

This part of the standard specifies the test requirements for the different environmental classes.

Each part of the standard is divided into sub-parts. Sub-part 1-0 will form a general overview of Part 1. This sub-part, Sub-part 1-1, deals with storage.

This part of the standard (Part 1) was submitted to Public Enquiry as prETS 300 019 Part B. The original Part A is to be published as ETSI Technical Report ETR 035 entitled: "Equipment Engineering (EE); Environmental engineering Guidance and terminology".

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## 1 Scope

The purpose of this sub-part of this standard is to define the classes of environmental conditions and their severities to which equipment may be exposed during storage. Only severe conditions, which may be harmful to the equipment, are included. The severities specified are those which will have a low probability of being exceeded; generally less than 1 %.

NOTE 1: Temporary storage during transport is included in Sub-part 1-2: Transportation.

NOTE 2: If the equipment is packaged, the environmental conditions apply to the packaging protecting the equipment.

## 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 into it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETR 035: "Equipment Engineering (EE); Environmental engineering Guidance and terminology".
- [2] IEC Publication 721-3-1: "Storage".
- [3] IEC Publication 68-2-27: "Test Ea: Shock".
- [4] IEC Publication 721-2-4: "Solar radiation and temperature".

## 3 Definitions

In this sub-part of this standard, the following definitions apply:

**Storage:** The equipment is placed at a certain site for long periods but is not intended for use during these periods.

**Weatherprotected location:** A location at which the equipment is protected from weather influences.

- **Totally weatherprotected location:** Direct weather influences are totally excluded.
- **Partly weatherprotected location:** Direct weather influences are not completely excluded.

**Non-weatherprotected location:** A location at which equipment is not protected from direct weather influences.

## 4 Environmental classes

The classes shown in parentheses, e.g. (1C1), may be selected for special applications.

### 4.1 Class 1.1: Weatherprotected, partly temperature-controlled storage locations

This class is a combination of classes 1K3/1Z2/1B1/1C2(1C1)/1S2/1M2 in IEC Publication 721-3-1 [2].

This class applies to weatherprotected partly temperature controlled storage. Humidity is usually not controlled. The climatogram is shown in figure 1.

Heating may be used to raise low temperatures especially where there is a significant difference between the conditions of this class and the open-air climate. Building construction is designed to avoid extremely high temperatures.