



# SLOVENSKI STANDARD

## SIST ETS 300 019-1-0:2006

01-februar-2006

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### Inženiring opreme (EE) – Okoljski pogoji in preskusi vplivov okolja za telekomunikacijsko opremo – 1-0. del: Klasifikacija okoljskih pogojev – Uvod

Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 1-0: Classification of environmental conditions; Introduction

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33.050.01	Telekomunikacijska terminalna oprema na splošno	Telecommunication terminal equipment in general

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**Equipment Engineering (EE);  
Environmental conditions and environmental tests for  
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Part 1-0: Classification of environmental conditions  
Introduction**

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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).

ETS 300 019 is concerned with environmental conditions and environmental tests for telecommunications equipment and comprises two main parts, each with subdivisions:

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

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".

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

Part 2-0 forms a general overview of Part 2. This part (Part 1-0), forms a general overview of Part 1.

An associated ETSI Technical Report (ETR), ETR 035 [1], gives an introduction to the main concepts of environmental engineering, the purpose and use of environmental classes and the corresponding test philosophy.

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## 1 Scope

This European Telecommunication Standard (ETS) defines the classes of environmental conditions and their severities to which equipment may be exposed at specified locations. The severities specified are those which will have a low probability of being exceeded - generally less than 1 %.

The purpose of Part 1-0 is to form a general overview of Part 1.

## 2 Normative references

This ETS contains, 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] ETR 035: "Equipment Engineering (EE); Environmental engineering Guidance and terminology".
- [2] ETS 300 019-1-1 to 1-7: "Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Classification of environmental conditions".
- [3] ETS 300 019-2-1 to 2-7: "Equipment Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Specification of environmental tests".

## 3 Definitions

### 3.1 Storage

The equipment is placed at a certain site for a long period, but is not intended for use during this period. If the equipment is packaged, the environmental conditions apply to the packaging protecting the equipment.

### 3.2 Transportation

Transportation is the phase during which the equipment is moved from one place to another after being made ready for dispatch. It includes loading, unloading and temporary storage. The equipment is not in-use under these conditions.

### 3.3 In-use

An equipment is in-use when it is directly operational.

#### 3.3.1 Stationary use

An equipment is mounted firmly on the structure, or on mounting devices, or it is permanently placed at a certain site. It is not intended for portable use, but short periods of handling during erection work, down time, maintenance and repair at the location are included.

#### 3.3.2 Mobile use (including portable)

An equipment is in mobile use when it is primarily intended to be operated in, or on, a vehicle or a ship.

#### 3.3.3 Portable and non-stationary use

The equipment is frequently moved from place to place. During transfer there is no special packaging for the equipment. The total transfer time may amount to a significant portion of the equipment's lifetime. The equipment is not permanently mounted on any structure or placed at a fixed site. The equipment may be operated while being either in a non-stationary or in a transfer state.