



SLOVENSKI STANDARD
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Equipment practice; Engineering requirements for outdoor enclosures; Part 1: Equipped enclosures

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Equipment Engineering (EE).

The present document is part 1 of a multi-part EN covering Equipment practice; Engineering requirements for outdoor enclosures as identified below:

Part 1: "Equipped enclosures";

Part 2: "Unequipped enclosures".

iTeh STANDARD PREVIEW National transposition dates (standards.iteh.ai)

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Introduction

The present document is part 1 of a two-part EN, aimed at setting out on a common basis, the installation engineering requirements for telecommunication practice, housing equipment forming part of a telecommunications network. Part 1 specifies the engineering requirements for outdoor enclosures and part 2 the engineering requirements for unequipped outdoor enclosures.

The present document shall be referred to when the supplier is asked for a complete solution.

The present document applies to the outdoor enclosures of all telecommunication equipment which forms part of a telecommunications network. The requirements for outdoor enclosures which this part lays down are based on the work of IEC Sub Committee 48D/WG 3 (see subclause 2.1).

Illustrative figures are contained in annex A.

1 Scope

The present document details requirements for outdoor enclosures which are supplied fully equipped. The outdoor enclosures may be used for housing telecommunication equipment, forming part of a telecommunication network, installed outdoors on the ground.

Requirements in the present document do not apply to outdoor enclosures or cabinets that can be entered by maintenance personnel.

The operating authorities should be given the data needed to help them plan infrastructure for outdoor applications. This includes equipment and traffic areas and installation transport (freight elevators, loading ramps, etc.) as well as locations of deployment for the outdoor equipment (streets, pavements, private areas, open public areas etc.).

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

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- [1] ETS 300 119-1: "Equipment Engineering (EE); European telecommunication standard for equipment practice; part 1: Introduction and terminology".
<https://standards.iteh.ai/catalog/standards/sist/0d84ca0e-4c64-41be-b42c-761724c88a38/c1-30-109-1-v1-01-2000>
- [2] ETS 300 119-2: "Equipment Engineering (EE); European telecommunication standard for equipment practice; part 2: Engineering requirements for racks and cabinets".
- [3] ETS 300 119-3: "Equipment Engineering (EE); European telecommunication standard for equipment practice; part 3: Engineering requirements for miscellaneous racks and cabinets".
- [4] ETS 300 119-4: "Equipment Engineering (EE); European telecommunication standard for equipment practice; part 4: Engineering requirements for subracks in miscellaneous racks and cabinets".
- [5] EN 301 169-2: "Equipment practice; Engineering requirements for outdoor enclosures; Part 2: Unequipped enclosures".
- [6] IEC 61969-2: "Sectional specification; Co-ordination dimensions for cases and cabinets; Outdoor enclosures".

3 Definitions and symbols

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

cabinet: a free-standing and self-supporting enclosure for housing electrical and/or electronic equipment. It is usually fitted with doors and/or side panels which may or may not be removable.

3.2 Symbols

For the purposes of the present document, the following symbols apply:

D	outside depth
D_p	outside depth (plinth)
D_r	depth (top cover)
H	outside height
H_p	outside height (plinth)
W	outside width
W_p	outside width (plinth)
W_r	outside width (top cover)

4 Definition of outdoor enclosures

4.1 Features

Outdoor enclosures in the understanding of the present document are cabinets compliant with the following:

- intended to be used in open air conditions;
- for weather unprotected locations;
- for stationary use.

The present document does not address the aesthetic appearance of the enclosures.

The present document covers applications which are located on the ground, including:

- streets;
- pavements;
- private areas;
- open public areas.

4.2 Internal equipment

Outdoor enclosures in the understanding of the present document comprise fully equipped outdoor cabinets delivered by one supplier.

The contents of the enclosure are not part of the present document.

5 Co-ordination dimensions for outdoor enclosures

5.1 General

The co-ordination dimensions are to be understood as overall dimensions, distinguished between:

- cabinet/top cover;
- plinth.

The plinth is regarded as an option. The top cover is considered to be an integral part of the cabinet.

The co-ordination dimensions apply to outside dimensions and aperture dimensions as defined in ETS 300 119-3 [3], table 1. The principle of specifying values is based on general formulae, described in subclauses 5.2 to 5.4, and tables with a selection of the possible values. The tables shown in subclause 5.5 provide selections of required values.

To define appropriate co-ordination dimensions, the following basic assumption has been made:

- the formulae for outside dimensions in part 1 and part 2 are identical. This is to achieve the same outside dimensions for economic reasons.

5.2 Co-ordination dimensions

All dimensions are in millimetres (mm).

5.2.1 Outside Height (H)

$$H = 600 + n \times 200$$

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NOTE: The variable $n \times 200$ mm has been selected according to the IEC draft standard for outdoor enclosures IEC 61969-2 [6].

$$n = 0, 1, 2, 3, \dots$$

5.2.2 Outside Width (W)

$$W = 600 + n \times 100$$

NOTE: The variable $n \times 100$ mm has been selected according to the IEC draft standard for outdoor enclosures IEC 61969-2 [6].

$$n = 0, 1, 2, 3, \dots$$

5.2.3 Outside Depth (D)

$$D = 300 + n \times 100$$

NOTE: The variable $n \times 100$ mm has been selected according to the IEC draft standard for outdoor enclosures IEC 61969-2 [6].

$$n = 0, 1, 2, 3, \dots$$