

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Mechanical structures for electronic equipment – Outdoor enclosures –
Part 2: Coordination dimensions**

**Structures mécaniques pour équipement électronique – Enveloppes de
plein air –
Partie 2: Dimensions de coordination**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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OUTDOOR ENCLOSURES –****Part 2: Coordination dimensions****FOREWORD**

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International Standard IEC 61969-2 has been prepared by subcommittee 48D: Mechanical structures for electronic equipment, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This second edition cancels and replaces the first edition issued in 2000. It constitutes a technical revision.

The main technical changes with regard to the previous edition are as follows:

It was the intention when IEC 61969-2 Ed. 1.0 was created that a sectional standard is to be followed by a detail standard, consisting of IEC 61969-2-1 and IEC 61969-2-2.

The intention of detail standards was to create a recommended but cost-effective range of outdoor enclosure solutions offered from multiple vendors. However, it became evident that

the outdoor enclosure applications were extremely application specific and the intended effect became irrelevant.

Consequently, IEC 61969-2-1 and IEC 61969-2-2 became obsolete and will be withdrawn at the time when IEC 61969-2 Ed.2.0 is published.

To provide for a useful outdoor enclosure installation matrix IEC 61969-2 Ed. 2.0 focuses on overall outdoor enclosure co-ordination dimension only.

The text of this standard is based on the following documents:

FDIS	Report on voting
48D/482/FDIS	48D/496/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

A list of all parts of IEC 61969 series, under the general title *Mechanical structures for electronic equipment – Outdoor enclosures*, can be found on the IEC website.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENT – OUTDOOR ENCLOSURES –

Part 2: Coordination dimensions

1 Scope

This part of IEC 61969 applies to the design of enclosures for outdoor applications for stationary use at non-weatherprotected locations as defined in IEC 61969-1 Ed.2.0.

The internal and external coordination dimensions are derived from IEC 60917-2. The internal dimensions meet the mounting dimensions of subracks in accordance with IEC 60917-2-2 and IEC 60297-3. The external dimensions, compared to IEC 60917-2, are partly increased in order to meet the design requirements of the outdoor specific conditions.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60917-2, *Modular order for the development of mechanical structures for electronic equipment practices – Part 2: Sectional specification – Interface co-ordination dimensions for the 25 mm equipment practice*

3 Arrangement overview

An example of an outdoor enclosure is given in Figure 1. Application specific roofs and/or bases/plinth, cable entry/exit and external mounted cable entry or cable management boxes are not covered by this standard.