

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Mechanical structures for electronic equipment – Outdoor enclosures –
Part 3: Environmental requirements, tests and safety aspects**

**Structures mécaniques pour équipement électronique – Enveloppes de
plein air –
Partie 3: Exigences environnementales, essais et aspects de la sécurité**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENT –
OUTDOOR ENCLOSURES –****Part 3: Environmental requirements, tests and safety aspects**

FOREWORD

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International Standard IEC 61969-3 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 2001. It constitutes a technical revision.

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

Table 1 and Table 6 have been extended with requirements and tests, relevant for outdoor conditions.

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

FDIS	Report on voting
48D/483/FDIS	48D/497/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- withdrawn,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.

Withdrawn

INTRODUCTION

IEC 61969-3 Ed.2.0 provides basic environmental test requirements to be used in the absence of local regulatory or application specific environmental test requirements. This provides manufacturers and users of generic outdoor enclosure solutions with minimum performance compliance criteria; thermal solutions pending on the environment an outdoor enclosure is subjected to. Since forced air heat dissipation and acoustic noise are closely related, noise limitations are typically defined by local regulatory limitations.

Typically, it becomes the responsibility of the outdoor enclosure vendor to provide a solution for thermal management within the local regulatory noise limitations.

Withdrawn