

# TECHNICAL REPORT



**Electrostatics –  
Part 5-4: Protection of electronic devices from electrostatic phenomena –  
Compliance verification**



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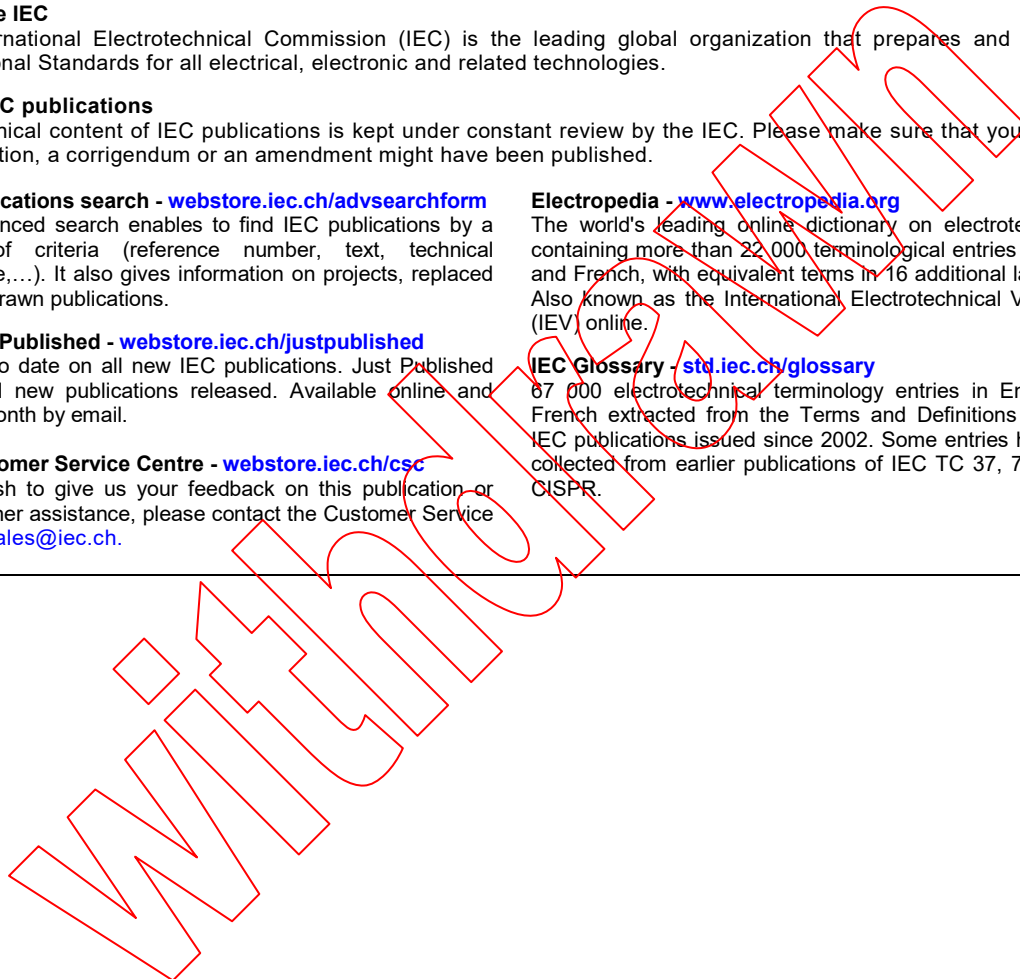
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ELECTROSTATICS –

**Part 5-4: Protection of electronic devices from electrostatic phenomena –  
Compliance verification**

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The text of this Technical Report is based on the following documents:

Draft TR	Report on voting
101/581/DTR	101/586/RVDTR

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

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

A list of all parts in the IEC 61340 series, published under the general title *Electrostatics*, can be found on the IEC website.

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## INTRODUCTION

Compliance verification is the process of monitoring and measuring all elements of an ESD control program. Regular compliance checks and tests are an essential part of this process, ensure that area precautions and equipment remain effective, and that an ESD control program is correctly implemented in compliance with an ESD control program plan.

Qualification testing is typically carried out under controlled conditions, often in a laboratory environment, and using industry recognized standards. Verification testing is carried out under operational conditions using test methods that are appropriate to an organization's requirements. Although qualification test methods can be used, compliance verification testing often uses simple equipment and procedures. Accuracy is still important, but of equal importance is the ability to carry out non-destructive testing without interrupting the normal business of the organization.

This document describes equipment and test methods that can be used for verification testing of ESD control items and systems, and provides users with some guidance on how to carry out the tests and take appropriate action to ensure continuous compliance.

The compliance verification test frequency is not described in this document. See Annex A for test frequency considerations.

Withdrawing