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Electrostatics - Part 4-6: Standard test methods for specific applications - Wrist straps

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/15

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English Version

**Electrostatics - Part 4-6: Standard test methods for specific applications - Wrist straps  
(IEC 61340-4-6:2015)**

Électrostatique - Partie 4-6: Méthodes d'essai normalisées pour des applications spécifiques - Bracelets de conduction dissipative  
(IEC 61340-4-6:2015)

Elektrostatik - Teil 4-6: Standard-Prüfverfahren für spezielle Anwendungen - Handgelenkerdungsbänder  
(IEC 61340-4-6:2015)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## European foreword

The text of document 101/463/FDIS, future edition 2 of IEC 61340-4-6, prepared by IEC/TC 101 "Electrostatics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61340-4-6:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-03-24
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IEC 61340-5-1                      NOTE    Harmonized as EN 61340-5-1.

IEC/TR 61340-5-2                NOTE    Harmonized as CLC/TR 61340-5-2.



# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Electrostatics –  
Part 4-6: Standard test methods for specific applications – Wrist straps**

**Électrostatique –  
Partie 4-6: Méthodes d'essai normalisées pour des applications spécifiques –  
Bracelets de conduction dissipative**





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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Electrostatics –  
Part 4-6: Standard test methods for specific applications – Wrist straps**

**Électrostatique –  
Partie 4-6: Méthodes d'essai normalisées pour des applications spécifiques –  
Bracelets de conduction dissipative**

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**ELECTROSTATICS –****Part 4-6: Standard test methods for specific applications – Wrist straps****FOREWORD**

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International Standard IEC 61340-4-6 has been prepared by IEC technical committee 101: Electrostatics.

This second edition cancels and replaces the first edition published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) editorial comments made during the review of the first edition were reviewed and incorporated where appropriate;
- b) several changes were made to update the Figures and improve the presentation of metric measurements (Imperial measurements have been removed);

- c) the option of using an integrated checker for wrist strap system continuity testing has been added;
- d) the evaluation and acceptance limit for wrist strap resistance has been changed so as to harmonize with IEC 61340-5-1.

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

FDIS	Report on voting
101/463/FDIS	101/476/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.

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

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

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

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- amended.

## INTRODUCTION

This part of IEC 61340 has been developed to establish test methods for evaluating the electrical and mechanical attributes of wrist straps used in an electrostatic control program. Wrist straps are intended to connect the user to electrical ground, thus preventing electrostatic charge on a user's body from attaining a level that may damage ESD susceptible devices or assemblies.

Test methods and performance limits for evaluation, acceptance, and functional testing are provided.

## **ELECTROSTATICS –**

### **Part 4-6: Standard test methods for specific applications – Wrist straps**

#### **1 Scope**

This part of IEC 61340 provides electrical and mechanical test methods and performance limits for evaluation, acceptance and periodic verification testing of wrist straps.

NOTE All dimensions are nominal except where indicated.

This standard is intended for testing wrist straps and wrist strap systems used for the grounding of personnel engaged in working with ESD sensitive assemblies and devices.

It does not address constant monitoring systems.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**