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Standards

Irish Standard
I.S. EN 62952-3:2017

Power sources for a wireless communication device - Part 3: Generic energy harvesting adaptor module

I.S. EN 62952-3:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
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F +353 1 857 6729
W standards.ie

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National Foreword

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EUROPEAN STANDARD

EN 62952-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2017

ICS 29.220.10; 33.040.40

English Version

**Power sources for a wireless communication device - Part 3:
Generic energy harvesting adaptor module
(IEC 62952-3:2017)**

Sources d'énergie pour un appareil de communication sans
fil - Partie 3: Module générique d'adaptateur de
récupération d'énergie
(IEC 62952-3:2017)

Energiequellen für ein Funkkommunikationsgerät - Teil 3:
Generisches Energy-Harvesting Adaptermodul
(IEC 62952-3:2017)

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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 62952-3:2017

European foreword

The text of document 65B/1080/FDIS, future edition 1 of IEC 62952-3, prepared by SC 65B "Measurement and control devices", of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62952-3:2017.

The following dates are fixed:

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Annex ZA (normative)

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NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60304	-	Standard colours for insulation for low-HD 402 S2 frequency cables and wires		-
IEC 61076-2-101	-	Connectors for electronic equipment -- Part 2-101: Product requirements -- Part 2-101: Circular connectors - Detail specification for M12 connectors with screw-locking	-EN 61076-2-101	-
IEC 62952-1	2016	Power sources for a wireless communication device - Part 1: General requirements of power modules	EN 62952-1	2016

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IEC 62952-3

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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Power sources for a wireless communication device –
Part 3: Generic energy harvesting adapter module**

**Sources d'énergie pour un appareil de communication sans fil –
Part 3: Module générique d'adaptateur de récupération d'énergie**





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IEC Central Office
 3, rue de Varembe
 CH-1211 Geneva 20
 Switzerland

Tel.: +41 22 919 02 11
 Fax: +41 22 919 03 00
info@iec.ch
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INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Power sources for a wireless communication device –
Part 3: Generic energy harvesting adapter module**

**Sources d'énergie pour un appareil de communication sans fil –
Part 3: Module générique d'adaptateur de récupération d'énergie**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POWER SOURCES FOR A WIRELESS COMMUNICATION DEVICE –**Part 3: Generic energy harvesting adapter module**

FOREWORD

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This standard is to be used in conjunction with IEC 62952-1. Is it based on the first edition of that standard (2016).

The text of this International Standard is based on the following documents:

FDIS	Report on voting
65B/1080/FDIS	65B/1084/RVD

Full information on the voting for the approval of this International Standard 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 of the IEC 62952, under the general title *Power sources for a wireless communication device* can be found on the IEC website.

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

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INTRODUCTION

This document deals with a power module based on energy harvesting. It provides one profile of IEC 62952-1 and specifics for a generic energy harvesting adapter module (GEHAM) with a backup battery (Type C). It does not specify a battery specification.

POWER SOURCES FOR A WIRELESS COMMUNICATION DEVICE –

Part 3: Generic energy harvesting adapter module

1 Scope

This part of IEC 62952 specifies requirements and a profile for a power source containing a generic energy harvesting adapter module (GEHAM) used as power source for wireless communication devices (WCD).

2 Normative references

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IEC 60304, *Standard colours for insulation for low-frequency cables and wires*

IEC 61076-2-101, *Connectors for electronic equipment – Product requirements – Part 2-101: Circular connectors – Detail specification for M12 connectors with screw-locking*

IEC 62952-1:2016, *Power sources for a wireless communication device – Part 1: General requirements of power modules*

3 Terms, definitions, abbreviated terms, acronyms and conventions

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 62952-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1.1 energy harvesting

process by which energy is derived from external sources (e.g., solar power, thermal energy, wind energy, salinity gradients and kinetic energy), captured, and stored

3.1.2 energy storage capacitor

power capacitor intended to store energy and to release it within a very short time

[SOURCE: IEC 60050-436:1990, 436-02-08]

3.2 Abbreviated terms and acronyms

For the purposes of this document, the abbreviated terms and acronyms given in IEC 62952-1 apply.

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