
Brezžični prenos moči - Specifikacija referenčnega sistema (BSS) A4WP (IEC 63028:2017)

Wireless Power Transfer - AirFuel Resonant Baseline System Specification (BSS) (IEC 63028:2017)

Drahtlose Energieübertragung - Magnetische Resonanz Interoperabilität - A4WP Grundlegende System-Spezifikation (BSS) (IEC 63028:2017)

Transfert d'énergie sans fil - Interopérabilité relative à la résonance magnétique - Spécification du système de référence (BSS) A4WP (IEC 63028:2017)

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29.240.99	Druga oprema v zvezi z omrežji za prenos in distribucijo električne energije	Other equipment related to power transmission and distribution networks
33.160.99	Druga avdio, video in avdiovizuelna oprema	Other audio, video and audiovisual equipment
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

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EUROPEAN STANDARD

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Specification (BSS)
(IEC 63028:2017)**

Transfert d'énergie sans fil - Interopérabilité relative à la
résonance magnétique - Spécification du système de
référence (BSS) A4WP
(IEC 63028:2017)

Drahtlose Energieübertragung - Magnetische Resonanz
Interoperabilität - A4WP Grundlegende System
Spezifikation (BSS)
(IEC 63028:2017)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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EN 63028:2017**European foreword**

The text of document 100/2901/FDIS, future edition 1 of IEC 63028, prepared by Technical Area 15 "Wireless power transfer" of IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 63028:2017.

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) 2018-04-24
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

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>
Airfuel Wireless Power Transfer System Baseline System Specification (BSS) v1.3	-	Available at: http://www.airfuel.org/technologies/specification-download		-
Airfuel Wireless Power Transfer System Baseline System Specification (BSS) v1.2.1		Available at: http://www.airfuel.org/technologies/specification-download		
Bluetooth core specification v4.0		Available at: https://www.bluetooth.org/docman/handler.s/downloaddoc.ashx?doc_id=229737		
CSA4		Available at: https://www.bluetooth.org/docman/handler.s/downloaddoc.ashx?doc_id=269452		

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INTERNATIONAL STANDARD



**Wireless power transfer – Airfuel alliance resonant baseline system specification
(BSS)**

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**WIRELESS POWER TRANSFER – AIRFUEL ALLIANCE RESONANT
BASELINE SYSTEM SPECIFICATION (BSS)**

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International Standard IEC 63028 has been prepared by technical area 15: Wireless power transfer, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

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

FDIS	Report on voting
100/2901/FDIS	100/2941/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.

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INTRODUCTION

In today's world, mainstream consumer mobile devices are ubiquitously supported by wireless technologies for data communication and connectivity functions while charging function is primarily supported by wired technologies. The development of wireless power transfer technologies offers increased user convenience for charging mobile devices; technologies include inductive, resonant, uncoupled (RF, ultrasonic, laser) methods.

IEC 63028 defines a specific wireless charging approach based on resonant technology and specifies technical requirements for the AirFuel™¹ resonant wireless power transfer (WPT) systems.

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¹ AirFuel™ is the trade name of a product supplied by AirFuel Alliance. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of the product named.