

AS/NZS CISPR 36:2021
Electric and hybrid electric road vehicles — Radio disturbance
characteristics — Limits and methods of measurement for the protection
of off-board receivers below 30 MHz (CISPR 36:2020 (ED 1.1) MOD)

Amendment No. 1

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 8 February 2024

New Zealand Standards Approval Board Approval: 17 January 2024

Published: 3 May 2024

Summary

This Amendment applies to the following elements:

Amendment Details

AS/NZS CISPR 36:2021 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Front cover	After “AS/NZS CISPR 36:2021” add the following: (Incorporating Amendment No. 1)
Preface	<ol style="list-style-type: none">After the first paragraph, <i>add</i> the following: Amendment No. 1 to this Standard was prepared by the Standards Australia Committee TE-003, Electromagnetic Compatibility.Delete tenth paragraph and <i>replace</i> with the following: This Standard is an adoption with national modifications, and has been reproduced from, CISPR 36:2020, <i>Electric and hybrid electric road vehicles — Radio disturbance characteristics — Limits and methods of measurement for the protection of off-board receivers below 30 MHz</i> and its Amendment No. 1 (2024) which has been added at the end of the source text.
Amd 1 (new)	After the Bibliography, <i>add</i> the following Amendment 1 (2024):

INTERNATIONAL ELECTROTECHNICAL COMMISSION

INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

ELECTRIC AND HYBRID ELECTRIC ROAD VEHICLES – RADIO DISTURBANCE CHARACTERISTICS – LIMITS AND METHODS OF MEASUREMENT FOR THE PROTECTION OF OFF-BOARD RECEIVERS BELOW 30 MHz

AMENDMENT 1

FOREWORD

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Amendment 1 to CISPR 36:2020 has been prepared by CISPR subcommittee D: Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices.

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

Draft	Report on voting
CIS/D/483/CDV	CIS/D/490A/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications/.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

Delete the existing second paragraph.

1 Scope

Replace the existing second and third paragraphs with the following:

This document applies to the emission of electromagnetic energy which might cause interference to radio reception and which is emitted from electric and hybrid electric vehicles (see 3.2 and 3.3) propelled by an electric motor supplied with electric energy by internal rechargeable energy storage system (with voltages above 60 V) when operated on the road.

Replace the existing seventh paragraph with the following:

The radiated emission requirements in this document are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU-R, including their spurious emissions.

3 Terms and definitions

3.2

electric vehicle

Replace the existing definition and the existing note to entry with the following new definition and new note to entry:

vehicle propelled exclusively by electric motor(s) powered by on-board REESS

Note 1 to entry: Vehicles equipped with an additional power source (e.g. auxiliary combustion engine, fuel cell) used to provide electric power to the electric motor/REESS only, without contributing to the mechanical propulsion of the vehicle, are considered electric vehicles for the purposes of this document.

3.7

traction battery

Replace the existing term and the existing definition with the following new term, new definition and new note to entry:

3.7

rechargeable energy storage system

REESS

storage system that provides electric energy for electric propulsion, which can be recharged

Note 1 to entry: Components of the REESS can be high voltage (HV) batteries.

Add, after the existing definition of 3.8, the following new term, definition and note to entry:

3.9

high voltage

HV

operating voltage above 60 V

Note 1 to entry: The term high voltage can be defined with a different voltage range in other standards.

4.1 Determination of conformance of vehicle with limits

Replace the existing first paragraph with the following new paragraph:

The vehicle shall comply with the quasi-peak detector magnetic field strength limits specified in 4.2, when operated as per 5.4.2.2.

Add, after the second paragraph, the following new paragraph and new Figure 6:

If an initial peak detector prescan is performed (i.e., before any quasi peak detector measurements), then the compliance shall be determined based on the flowchart in Figure 6.