

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Amendment No. 1
to
AS/NZS 60335.2.76:2003
Household and similar electrical appliances - Safety –
Part 2.76: Particular requirements for electric fence energizers**

REVISED TEXT

The 2003 edition of AS/NZS 60335.2.76 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This amendment applies to Foreword, Introduction, and Clause 1, 19, 22, 29 and Annexes.

Published on 20 October 2006

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Approved for publication in New Zealand by the Standards Council of New Zealand on 25 August 2006

This amendment takes effect from the date of publication.

FOREWORD

Add the following as a new second paragraph:

This Standard incorporates Amendment No. 1 (October 2006). The changes required by the amendments are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected. Where an application date other than immediate is applicable to an amendment the date of application (DOA) is indicated by the marginal bar against the part affected.

Replace the existing third paragraph by the following:

This Standard is an adoption with national modifications and contains the full text of the second edition of IEC 60335-2-76:2002, *Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers* including its amendment 1 and has been varied as indicated to take account of Australian and New Zealand conditions. It is to be used in conjunction with the latest edition of AS/NZS 60335.1, *Household and similar electrical appliances – Safety – Part 1: General requirements* and its Amendments. It was established on the basis of AS/NZS 60335.1:2002.

INTRODUCTION

Replace the second sentence of the second paragraph by the following:

It also covers abnormal situations that can be expected in practice and takes into account the way in which electromagnetic phenomena can affect the safe operation of appliances.

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1 Scope

Replace the 2nd paragraph by the following.

This International Standard deals with the safety of **electric fence energizers**, the **rated voltage** of which is not more than 250 V and by means of which fence wires in agricultural, domestic or feral animal control fences and security fences may be electrified or monitored.

Add the following to NOTE 103 as the first dash item.

- electromagnetically coupled animal trainer collars;

19 Abnormal operation

19.1 Modification:

In the last paragraph, replace “and 19.104” by “, 19.104 and 19.105”

19.11.1 Delete the Addition.

Delete “19.11.3 Not Applicable”

19.13 *Add to the end of the second paragraph of the test specification the words “or a protective electronic circuit”*

Add the following new subclause.

19.105 *Battery operated energizers having a rated voltage of less than 12 V and types A, B, C and D energizers having a rated voltage for battery supply of less than 12 V are operated under normal operation when supplied with an input voltage of 13.2 V d.c.*

During the test the energizer shall be connected to the voltage source via a 1 Ω series resistor.

This test is only applicable if the supply may be connected without modification of the energizer.

22 Construction

22.102 *Delete the last sentence of the requirement.*

22.108 *Add the following note after the third dash item of the requirement.*

~~NOTE The energy/impulse, is the energy measured in the impulse over the impulse duration.~~

In the last dot item of the requirement, replace “less” by “not greater”.

29 Clearances, creepage distances and solid insulation

29.101 *Delete “or” from the end of the first dash of the first paragraph of the requirement.*

Add the following to the first paragraph of the requirement.

This requirement does not apply across a spark gap or similar device that is necessary for the correct functioning of the energizer.