STANDARDS
NEW ZEALAND
Paerewa Aotearoa

NZMP 6004:1999

Safer Electrical Installations In Homes

for Children, the Elderly and People with Disabilities

NZMP 6004:1999

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NEW ZEALAND
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This Handbook was prepared by the Standards New Zealand Safe Handbook Working Group (24 contributors), established under Standards Australia / Standards New Zealand Joint Technical Committee (JTC) EL/1 Wiring Rules, to perform Project No. EL/001-1020.

FOREWORD

This Handbook is intended as a reference for persons (such as architects, builders, occupiers, social workers, therapists, care givers, rest home personnel, plunket, health professionals) who are designing, supervising, or using private or commercial premises, for occupancy by children, the elderly, and those with disabilities. The premises may be for day use (school rooms, offices) or for long-stay accommodation (domestic dwellings, rest homes, or hospitals). The principal source for the recommendations in this handbook was NZS 4102:1996 (see list of references in Scope below).

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1 Scope

This Handbook is intended as a guide to the electrical services which can usefully be installed in homes used by children, the elderly, and those with disabilities.

Electrical technology can be used to make life easier for such people, and can also extend the independence of elderly persons, and persons with disabilities. If it is not practicable to put systems into place at the time of building construction, designing for future adaptation should be considered. Unplanned modifications carried out later are usually expensive.

While this Handbook is specifically concerned with domestic installations, the information and ideas included may also benefit commercial homes, day-care centres, and hospitals. Many features are also applicable in the standard home as a means of increasing convenience and safety by utilizing the versatility of electricity.

Some recommendations made within this Handbook may well be in conflict with the particular features or handicaps being considered by a designer. Hence this handbook provides the reasoning so as to help that designer to consider the relevant factors, in order to reach a conclusion suitable for the application concerned.

Note that many safety requirements provided in the various Standards and Electrical Regulations are not listed here. Hence design and installation work should only be undertaken by suitably qualified persons.

References

The following regulations and standards are relevant to this publication.

For electrical wiring:

Electricity Regulations 1997

NZS 3000:1997	Electrical installations – Buildings, structures and premises (known as the NZS Wiring Rules) *The Electricity Regulations 1997, and the New Zealand Standard NZS 3000:1997, are documents setting electrical safety requirements for installations covered by this Handbook.*
AS/NZS 3000:----	Electrical installations – Buildings, structures and premises (in preparation)
AS 3006 – 1982	Adequate electrical installations in domestic premises
AS/NZS 3018:1997	Electrical installations – Domestic installations

For general matters:

AS/NZS 1680.2.1:1993	Interior lighting – Circulation spaces and other general areas
NZS 4102:1996	Safer house design (Guidelines to reduce injury at home)
NZS 4121:1985	Code of practice for design for access and use of buildings and facilities by disabled persons *NZS 4121 is cited in the Building Act 1992, and in approved documents under the Building Code.*
AS 4226 – 1994	Guidelines for safe housing design
AS 4299 – 1995	Adaptable housing
NZS 4301:----	Intruder alarm systems
NZS 6703:1984	Code of practice for interior lighting design

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