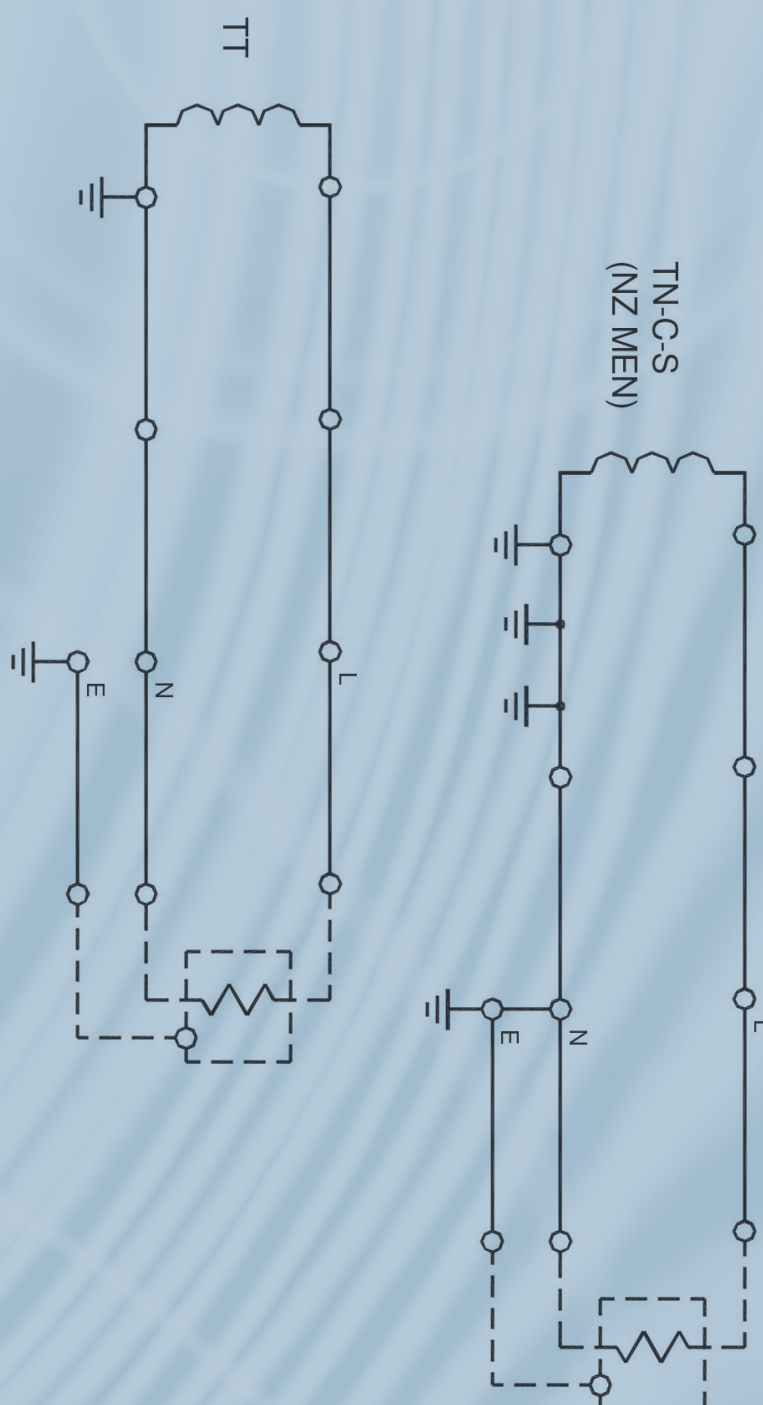


Low voltage supply earthing systems

SNZ TR 6120:2014



COMMITTEE REPRESENTATION

This technical report was prepared under the supervision of the LV Supply Earthing Systems Review Committee that the Standards Council established under the Standards Act 1988.

The committee consisted of representatives of the following nominating organisations:

Chorus Limited

Electricity Engineers' Association

New Zealand Electrical Institute

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NOTES

CONTENTS

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Section

1	INTRODUCTION	1
2	ABBREVIATIONS AND ACRONYMS	2
3	REFERENCES	3
4	SUMMARY AND RECOMMENDATIONS	4
4.1	Summary	4
4.2	Recommendations	5
5	LOW VOLTAGE SUPPLY EARTHING SYSTEMS	6
5.1	Definitions	7
5.2	Consideration of alternatives to MEN system	8
5.3	MEN system	10
5.4	TT system	13
6	TELECOMMUNICATIONS PLANT AND EQUIPMENT	17
7	APPLICATION OF MEN AND TT SYSTEMS – PERFORMANCE IN FAULT SITUATIONS	18
7.1	Mal-operation of LV feeder protection	18
7.2	Mal-operation of service protection	19
7.3	Broken LV PEN conductor in the street reticulation	20
7.4	Transposition of service phase and neutral	21
7.5	Broken service neutral	21
7.6	Broken earth conductor to earth electrode	22
7.7	HV to LV fault or contact	23
7.8	HV to earth fault at distribution substation (short term)	25
7.9	HV earth fault at distribution substation (continuous)	27
7.10	Flashover in electrical installation or equipment/appliance	27
7.11	Electric shock to persons in or near electrical installations	28
8	APPLICATION OF MEN AND TT SYSTEMS – PERFORMANCE IN SUPPLY LOCATIONS	30
8.1	Urban	30
8.2	Rural – conventional distribution	32
8.3	Rural – SWER distribution	33
8.4	Rural – dairy shed	33
8.5	Factory with own substation	34

2 ABBREVIATIONS AND ACRONYMS

The following abbreviations and acronyms are used in this report:

AS/NZS	Joint Australian and New Zealand Standard
BS	British Standard
CB	Circuit breaker
ES	Energy Safety (section of WorkSafe New Zealand)
ECC	Earth continuity conductor
EEA	Electricity Engineers' Association
EPR	Earth potential rise
ESI	Electricity Supply Industry
ESRs	Electricity (Safety) Regulations 2010
HV	High voltage
IEC	International Electrotechnical Commission
IT	International IT system of supply
LV	Low voltage
MEN	Multiple-earthed neutral
NER	Neutral earthing resistor/reactor
NZS	New Zealand Standard
PEN	Combined protective earthing and neutral conductor
PV	Photovoltaic
RCD	Residual current device
SWER	Single wire earth-return
TN	International TN system of supply
TN-C	International TN-C system of supply
TN-C-S	International TN-C-S system of supply
TN-S	International TN-S system of supply
TT	International TT system of supply