

# NEW ZEALAND ELECTRICAL INSPECTORS ASSOCIATION.

Client's Name: \_\_\_\_\_ Address:: \_\_\_\_\_

Installation Type or Model: \_\_\_\_\_ Unique ID: \_\_\_\_\_



## ELECTRICAL INSPECTION OF CONNECTABLE INSTALLATION - EWO

### AS/NZS3001:2008



(Caravan, motor home, house bus, portable building, other.)

#	Reference	Supply	Pass	Fail	N/A
01	C6.13	Method of connection to supply suitable for installation.			
02	C6.9	Caravan pre 2003, if no RCD, does it have a N-E link			
03	C6.9	Caravan, No N-E link if all sub-circuits protected by RCD,			
04	C6.9	Caravan with RCD in lead, is lead fixed wired			
05	C6.9	Other connectable installations, no N-E link			
06	C6.6	No damage to appliance inlet or supply coupler			
07	C6.6	Appliance inlet or supply coupler comply with IEC 60309, AS/NZS 3123, or AS/NZS 3112			
08	C6.7	Supply lead minimum rating 15amp for IEC 60309 or 15amp minimum rating for AS/NZS 3112, mandatory no N-E link			
09	C6.13	Special connection configuration chosen for special purpose, C6.6 & C6.7 only apply to caravans			
		<b>Supply Lead</b>			
10	C6.8	Lead in one length, minimum length 10m			
11	C6.8	Cross sectional area suitable for length			
12	C6.8	External storage compartment for permanently connected lead			
13	C6.8	Strain relief for supply lead connector			
		<b>Installation</b>			
14	C6.1	No exposed live parts			
15	C6.3	No basic insulation showing where basic insulation protecting live parts			
16	C6.4	Over current protection in transportable structure not to exceed rating of supply lead & fittings			
17	C6.5	Minimum IP rating IP24 for all external electrical equipment			
18	C6.5	Minimum IP rating for appliance inlet & external sockets pre 2003 IPx3			
19	C6.12	Socket outlets suitable for voltage and frequency			
		<b>Testing</b>			
20	C7.1, 3, 4	Polarity check supply lead, appliance couplers, socket outlets			
21	C7.5	Continuity of earthing conductors to chassis			
22	C7.5	Continuity of earthing conductors to permanently connected class 1 equipment			
23	C7.5	Continuity of earthing conductors to socket outlets			
24	C7.5	Continuity of earthing conductors to metal in close proximity to live conductors			
25	C6.2	No unearthed metallic parts where such equipment is required to be earthed			
26	C7.7	Insulation resistance of all live conductors (active & neutral combined) to earth if no N-E link including appliances connected or intended to be connected to connectable installation			
27	C7.7	All active conductor to earth if N-E link fitted			
28	C7.6	Segregation of LV and ELV			
29	C6.10	RCDs operate in all live conductors (active & neutral)			
30	C6.10	RCD rating not greater than 30mA			
31	C6.10	All wiring to inline RCDs to be double insulated and fitted with strain relief			
32	C6.10	Inline RCD to be within 600mm of supply lead plug			
33	C7.2	RCD operation. If not a type A RCD, then an AC & DC test must be carried out			
34	C6.11	External socket outlets to be RCD protected if caravan manufactured after 1/4/1993			
35	C7.8	No interconnection between dual or multiple supplies			
36	C7.8	Changeover switch between dual or multiple supplies tested to ensure no interconnection of live conductors between supplies and is "break before make"			
37	C7.8	On-board gen set or inverter neutral only connected when supplying installation			
38	C7.8	Where on-board gen set or inverter is supplying through an RCD, the earth connection shall be upstream of the RCD and connected at all times			

Test equipment: Make: \_\_\_\_\_ Model: \_\_\_\_\_ Ser #: \_\_\_\_\_

Date of inspection: \_\_\_\_\_ Name: \_\_\_\_\_ Signed: \_\_\_\_\_ Registration #: \_\_\_\_\_

Comment: