

INSTALLATION COMMISSIONING TEST FORM — EXAMPLE

Installation Address	
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I the undersigned, certify that I have undertaken a full visual inspection and tests of the electrical work performed on the installation as required by AS/NZS 3000:2018 Wiring Rules.

Name and signature of person performing the test		Lic No		Date	
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NOTE: The visual checks are applied in conjunction with the mandatory requirements of AS/NZS 3000, plus any other relevant Standards. Visual checks may be required during the installation process where electrical equipment is not visible due to a finished construction (e.g. roofing, walls, floors, concrete, buried).

VISUAL INSPECTION			
Before the inspection, do a risk assessment to identify hazards and risks – Refer to AS/NZS 4836			
CONSUMER MAINS / SUB-MAINS / OH or UG / BURIED FINAL SUB-CIRCUITS			
Requirements		Comments / observations	Pass/Fail or N/A
1	Overhead POA meets the correct height and position <i>Check any required certification of support metal work and IP rating of connection device, mechanical protection, or adequate separation of supply conductor reinforced insulation from conductive supports or building materials.</i> <i>Also refer to local supply network (DNSP) requirements.</i>		
2	Underground cables and enclosures installed to correct depth Caution — To be verified and, if practical, document at time of installation		
3	Underground “Warning” tape installed <i>Underground marking tape to comply with AS/NZS 2648.1</i> Caution — To be verified and, if practical, document at time of installation		
4	Type of underground conductors (TPS-XLPE) <i>State service and installation rules may require specific insulation type</i>		

5	Spacing from other underground services (water/telecoms/drainage) <i>Minimum separation of other underground services</i>		
6	Correct cable selection size/ circuit protection rating (current rating, installation kA rating) <i>Refer to AS/NZS 3008 for cable ratings</i>		
7	Conduit adequately sealed (glued) at joints and conduit boxes/fittings Caution — To be verified at the time of installation for required IP rating		
8	Inspect and assess pillar or mains connection box for terminations, fusing size of SPD and correct location to local DNSP requirements <i>Where possible check incoming DNSP neutral (PEN) conductor markings for correct polarity identification</i>		
9	Unprotected supply mains may require additional mechanical protection requirements by State service and installation rules Caution — To be verified and, if practical, document at the time of installation		
EARTHING			
10	Earth electrode connections treated (protection against corrosion)		
11	Earth electrode exposed to weather (location) and correct separation distance from other services		
12	Electrode installed to correct depth Caution — To be verified at the time of installation		
13	Main earth secured and protected connections to earth electrode <i>Mechanical protection may be needed in exposed areas subject to damage</i>		
14	“Warning: Do not disconnect” tag installed at earth electrode		
15	Correct size of protective earth conductor Refer to wiring rules minimum size for associated actives / EFLI minimum resistance		
16	Other equipotential bonding required to conductive services (gas/water)		

17	Structural metalwork forming the frame of any structure containing an electrical installation is bonded <i>The size of the earthing conductor will be determined in association with the associated active conductors</i>		
BATHROOM / SHOWER EQUIPOTENTIAL BONDING			
18	Conductive reinforcing of concrete for showers or bathrooms, floors or walls have been bonded as required Caution — To be verified at the time of installation and, where practical, documented		
SWIMMING POOL AREA EQUIPOTENTIAL BONDING			
19	Conductive pool shell reinforcing steel and any conductive adjacent deck bonded Caution — To be verified at the time of installation and, where practical, documented		
20	Conductive fixtures and fittings installed in direct or indirect contact with the general mass of earth and within arm's reach are bonded where required Caution — To be verified at the time of installation and, where practical, documented		
21	Minimum 4mm ² earth bonding conductor <i>Earthing conductors require the same level of mechanical protection as live conductors</i> Caution — To be verified at the time of installation and, where practical, documented		
22	Common bonding connection point provided with location marked at circuit switchboard or other visible location		
ELECTRICAL WIRING / ACCESSORIES / ELECTRICAL EQUIPMENT			
23	No un-terminated cables <i>Check from constructed plans that all equipment has been installed</i>		

	Ensure all installation cables are terminated, all final sub-circuits are accounted for, and unused cables double insulated and not connected to a supply		
24	Electrical equipment suitably IP rated		
25	Cable installation mechanically protected <i>RCD protection may only be used in specific instances in lieu of additional mechanic protection</i>		
26	Approximate cable route length to qualify further testing for volts drop and EFLI and suitable over current protection		
27	Fixed or secured in place		
28	No exposed single insulated cable		
29	No access to live parts without the use of a tool or key		
30	No subsequent damage to electrical cables or equipment		
31	Cooktop clearance to electrical accessories (150 mm minimum)		
32	Hotplate functional switch provided		
33	Air Conditioner lockable isolator fitted		
34	Gas-elect appliance double pole isolation fitted		
35	Hot water system isolator fitted		
36	Bathroom area zone compliance and I.P. rating of electrical equipment		
37	Swimming pool zone compliance and I.P. rating of electrical equipment		
ROOF SPACE / UNDER FLOOR AREA			
38	Adequate mechanical protection in roof-space and wall cavities <i>Protection against mechanical damage</i> Caution — Mains/sub-mains may require earthed mechanical protection		
39	Accessories/outlets — Fixed in position		
40	Appliances/lights — Not damaged		