

Certificate of electrical design compliance

About this form

Use this form for an electrical design consultant to certify that the electrical design shown on the attached drawings and documents complies with Power and Water requirements and relevant Australian Standards.

How to complete this form

- Complete all fields that apply to your project or application.
- Where a selection table is provided, type X in the select column for each item that applies.
- Attach extra pages or supporting documents if you need more space.
- Do not remove field labels, section headings or table headers, as these help make the form accessible.

Project details

Field	Response
Project title	
Drawing title	
Drawing number	
Drawing revision or version	

Electrical design consultant details

Field	Response
Electrical design consultant company or organisation name	
Electrical design consultant ABN	
Electrical design consultant contact person full name	
Electrical design consultant phone	
Electrical design consultant email	

Developer details

Field	Response
Developer company or organisation name	
Developer contact person full name	
Developer contact phone	
Developer contact email	

Certification statement

I/we certify that the electrical design shown on the attached drawings and documents complies with:

- Power and Water Corporation Power Services Drawing Standards
- Power and Water Design Requirements as specified in NP041
- Power and Water NP018 Service and Installation Rules
- Power and Water NP010 Meter Manual
- Australian Standard AS/NZS 3000 Wiring Rules
- Australian Standard AS/NZS 2067 Substations and high voltage installations exceeding 1 kV a.c. and other associated Australian Standards publications.

Design compliance checklist

Type X in the select column for each item checked and confirmed as compliant.

Select	Checklist category	Requirement checked
	Overhead design details	High voltage conductor selection and sizing
	Overhead design details	Low voltage conductor selection and sizing
	Overhead design details	Substation size and location
	Overhead design details	Ground clearance compliance
	Overhead design details	Road crossing ground clearance compliance
	Overhead design details	Low voltage drop calculation compliance
	Overhead design details	Maximum design tension calculations
	Overhead design details	Risk Based Approach in Design of Earthing System (RBADES) assessment compliance
	Underground design details	High voltage cable selection and sizing

Select	Checklist category	Requirement checked
	Underground design details	Low voltage cable selection and sizing
	Underground design details	Substation type, size and location
	Underground design details	High voltage switchgear type and location
	Underground design details	Low voltage drop calculation compliance
	Underground design details	Pillar type and location
	Underground design details	RBADES assessment compliance
	Underground design details	Low voltage service arrangements
	Underground design details	Low voltage circuit breaker type, size and location
	General requirements	Maximum demand in kVA and location
	General requirements	Low voltage circuit breaker protection settings
	General requirements	N-1 reliability criteria compliance
	General requirements	Environmental and heritage considerations
	General requirements	Sacred site clearances obtained (Australian Protection Authority - APA permits)
	General requirements	Road owner approvals obtained
	General requirements	Electricity easement requirements identified

Designer certification

Field	Response
Name of electrical design consultant	
Accreditation number	
Consultant signature	
Certification date	

Power and Water use only

Field	Response
Design officer full name	
Date received	
Date approved	
Comments	
Approved by full name	
Approver position title	
Approval date	