

## WORKING WITH ELECTRICITY

### 1 INTENT

To ensure the health, safety, and environmental (HSE) risks associated with work on, and around, live electrical equipment are effectively managed, to so far as reasonably practicable.

All Supervisors and Designated leads are responsible for implementation and compliance with this Standard. Contractors must meet or exceed the requirements of this Standard applicable to their work scope

### 2 REQUIREMENTS

CS Energy shall ensure that processes are implemented and maintained to ensure compliance to relevant legislation, Codes of Practice and Permit to Work requirements.

Key Requirements:

- All electrical work must be completed in compliance with CS Energy electrical procedures including electrical isolation.
- Electrical work is planned to minimise the need to conduct live work.
- All energy sources and equipment are treated as live until tested for de-energised and controlled under a permit.
- When working on equipment with multiple sources of electrical supply, the correct switching process under the permit to work system, isolation and earthing processes must be followed.
- Each person that performs electrical work must be trained, competent and authorised.
- All electrical equipment and electrical leads (excluding out of service equipment) are compliant with Australian or international standards, tested for ground continuity, tagged and recorded.
- Isolation points must be locked and tagged when used in the Permit to Work (PTW) system.
- Remote control isolation via software logic alone is not acceptable—physical isolation must be applied.

### 3 DEFINITIONS

Electrical Work involves, connecting or disconnecting electricity supply wiring to/from electrical equipment, manufacturing, constructing, installing, removing, adding, testing, replacing, repairing, altering, or maintaining electrical equipment or an electrical installation.

Electrical Installation Work refers to electrical work associated with an electrical installation.

Works of an Electricity Entity refer to the electrical equipment and electric line-associated infrastructure controlled or operated by the entity to generate, transform, transmit, or supply electricity.

Electrical Isolation is the operation of a device, switch, or apparatus that creates an open circuit, preventing electricity supply to a circuit or equipment.