

HYER STANDARDS

Electrical Supply and Equipment

The Hansen Yuncken HYer Standards provide guidance on the minimum level of compliance expected for high risk activities on all projects.

Switchboards



- The subcontracting electrician is to complete the Distribution Board checklist
- Switchboards must be of robust construction, weatherproof, and secured against unauthorised relocation or damage by environmental factors
- A Certificate of Compliance (CoC) must be issued and available
- Switchboards must be identified by numbers, letters, or both, to distinguish one switchboard from another

Residual Current Devices (RCD)



- All electrical supplies must be RCD protected, including portable generators
- Portable RCDs (including RCDs on portable equipment) are to be push button tested daily when in use, after connection to a socket, and before connection to equipment
- Fixed RCDs are to be push button tested monthly
- Operating time tests are to be conducted annually for non-portable fixed RCDs, and 3 monthly for portable RCDs (i.e. fixed to portable equipment, portable generators)
- Only authorised personnel are permitted to reset an RCD

Construction Wiring



- Records of construction wiring should be maintained in the form of "as built," drawings or on site layout diagrams
- Construction wiring must be readily distinguishable from permanent wiring using cable sheaths of different colour, or iridescent yellow tape and marked with the words "CONSTRUCTION WIRING"
- Wiring must be protected from mechanical damage

Electrical Tools and Equipment



Safework Australia

- Unsafe electrical equipment is to be disconnected and isolated from electricity supply, tagged out, and repaired or removed from site
- Extension leads are to be heavy-duty and sheathed
- Insulated tools and equipment are to be used for electrical work and regularly maintained, inspected and tested

Inspection and Testing



- Testing and tagging of corded equipment must only be performed by competent persons with appropriate qualifications
- Appliances and portable equipment used at project sites must be tested and tagged every 3 months
- Transportable structures, fixed and transportable equipment, and construction wiring is to be tested and tagged every 6 months

Working Conditions



- All electrical work must be undertaken by qualified electrical workers
- Prior to electrical work, equipment and cables must be isolated, de-energised and tested for dead
- Live permanent wiring that is located where construction activity is occurring must be marked (or its location) with the words 'LIVE WIRING' at intervals not exceeding 5m



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ELECTRICAL SUPPLY AND EQUIPMENT PROCEDURE