

Testing	Electronic Circuits Risk As	sessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			



RISK MATRIX							
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP
Assist Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazarc predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required.         3H       Review and approve additional controls for constraints, senior supervisor sign-off needed.         2M       Ensure all nominated controls are imprace and efficience. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedurer Monitor and keep records.         Consequence Scale:							Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution Improvement notice; major media coverage		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance		
			no schedule	Deviation caught and corrected on site			



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	electric shock, equipment damage	ЗН	<ul> <li>Use properly insulated tools.</li> <li>Check the power source before starting work</li> <li>Wear appropriate personal protective equament (PPE)</li> <li>Ensure all equipment is grounded.</li> <li>Conduct a visual inspection or any damages.</li> <li>Use calibrated measuring insuments.</li> <li>Ensure all testing equipment is in extioning properly.</li> <li>Label all circuit component clearly.</li> <li>Verificibat theorem arrows well-lit.</li> <li>Ensure in progener contact numbers are available.</li> </ul>	1L
2. Isolation	inadvertent energising structure shock	21	<ul> <li>Lockol (tage aprocesses must be followed.</li> <li>Lockol (tage aprocesses must be followed.</li> <li>Lockol (tage approximate before commencing work.</li> <li>Use comprise circuit testing equipment to verify isolation.</li> <li>Vear insulated gloves.</li> <li>Inform all personnel about ongoing testing operations.</li> <li>Follow standard operating procedures for circuit isolation.</li> <li>Double check isolation is in place before starting work.</li> <li>Use voltage testers to confirm zero energy state.</li> <li>Ensure keys for lockout devices are controlled.</li> <li>Place proper signage to warn about de-energised state.</li> </ul>	1L
3. Circuit Testing	arc flash, equipment damage	ЗН	<ul> <li>Use personal protective equipment designed for electrical work.</li> <li>Apply the correct procedures for voltage and continuity testing.</li> <li>Keep all test probes well-maintained and insulated.</li> <li>Perform tests with one hand when possible to avoid current path through the heart.</li> <li>Keep bystanders at a safe distance.</li> <li>Always disconnect power source before changing test connections.</li> <li>Ensure no metal jewellery or watches are worn.</li> <li>Use insulated mats in the testing area.</li> </ul>	2M



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			- Regularly calibrate testing equipment.	
			- Maintain a clutter-free workspace.	
4. Soldering	burns, fumes inhalation	ЗН		1L
5. Component Replacement	electrical short, burs	ЗН		2М
6. Circuit Adjustment	electrical shock, equipment malfunction	ЗН		1L

Version 2.5



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7. Circuit Calibration	inaccurate readings, equipment damage	ЗН		2М
8. Final Inspection	unexpected re-energy increased	ЗН		1L
9. Equipment Clean-Up	contamination, manual handling injury	2M		1L

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10. Documentation	inaccurate records, data loss	2M		1L
11. Dismantling Equipment	equipment instability, manual handur, injuries	ЗН		1L
12. Work Area Clearance	tripping hazards, exposure to harmful substances	2M		1L

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13. Reporting	missing critical data, ambiguity in reports	2M		1L
14. Review and Evaluation	improper assessment, missed improvements	2М		1L
15. Training and Education	lack of knowledge, poor technique implementation	2M		1L



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#### **EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REF	ERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISL	ATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health at Safety Act and 4 Occupational Health and onfety or gulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> or des of chactice VIC <u>autps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weicplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weicplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weicplace-serve-laws</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_laces/codes-of-practice#COPs</u> Tasmania	Model Codes of Practice - Managing noise and preventing hearing loss at work - Confined spaces - Labelling of workplace hazardous chemicals - Managing risks of hazardous chemicals in the workplace - Welding processes - First aid in the workplace
Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012 Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</u> Codes of Practice for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</u>	<ul> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> <li>Work health and safety consultation, cooperation and coordination</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work - Any required documents.	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>