

Surge Prote	ection Implementation Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESS	MENT IS APPROVED BY THE PCI	BU OI	
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
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required.         3H       Review and approve additional corrols to come task parts. Senior supervisor sign-off needed.         2M       Ensure all nominated controls are in prace and effective. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedurer wonitor 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 ator intervention; c		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		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	electrical shock, tripping hazards	ЗН	<ul> <li>Conduct a pre-work site inspection to identify potencial hazards.</li> <li>Ensure all tools and materials are organised an placed in a safe area.</li> <li>Conduct a toolbox talk to discuss potential sets and safe areasures.</li> <li>Verify electrical installations are compliant with Armanian electrical standards.</li> <li>Check all PPE is available and correctly fitted.</li> <li>Ensure emergency exits and set and set a set accessible.</li> <li>Confirm that sumprots on decrease are suitable for use.</li> <li>Place warma signs in areas with prontial topping hazards.</li> <li>Remote any table obstructions from tark areas.</li> <li>Review re-spectra safety regulations with the team.</li> </ul>	2M
2. Device Selection	incorrect device specification compatibility issues	2	<ul> <li>Consul with the electrical engineer to select appropriate surge protection devices.</li> <li>Driffy the hinical medifications of devices match system requirements.</li> <li>Verny reducts are from reputable manufacturers.</li> <li>Deck compatibility with existing electrical systems.</li> <li>Document selection criteria and decisions made.</li> <li>Use devices endorsed by industry standards.</li> <li>Audit previous installations for device performance issues.</li> <li>Cross-check specifications with supplier documentation.</li> <li>Implement a checklist for compatibility verification.</li> <li>Ensure warranty and service agreements are in place.</li> </ul>	1L
3. Work Area Isolation	unauthorised access, accidental operation	ЗН	<ul> <li>Implement lock-out/tag-out procedures for the deactivation of electrical systems.</li> <li>Ensure all workers understand the isolation procedures.</li> <li>Secure the area with physical barriers and clear signage.</li> <li>Appoint a designated person responsible for isolation.</li> <li>Conduct a briefing on the importance of isolation procedures.</li> <li>Check communication devices are working for emergency situations.</li> <li>Ensure only authorised personnel have access to the work area.</li> <li>Confirm that systems are fully de-energised before starting work.</li> </ul>	1L



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			- Inspect barriers regularly for integrity and effectiveness.	
			- Record any access to the isolated areas.	
4. Installation Planning	mismanagement of resources, schedule delays	2M		1L
5. Receiving Equipment	damaged equipmet and summg	ΡM		1L
6. System Testing	system malfunction, electrical shock	ЗН		2M

Version 2.5



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7. Implementation	installation errors, communication breakdown	ЗН		1L
8. Equipment Connection	faulty connections, overloading circuits	ЗН		1L
9. Safety Audits	compliance failures, unidentified hazards	2M		1L

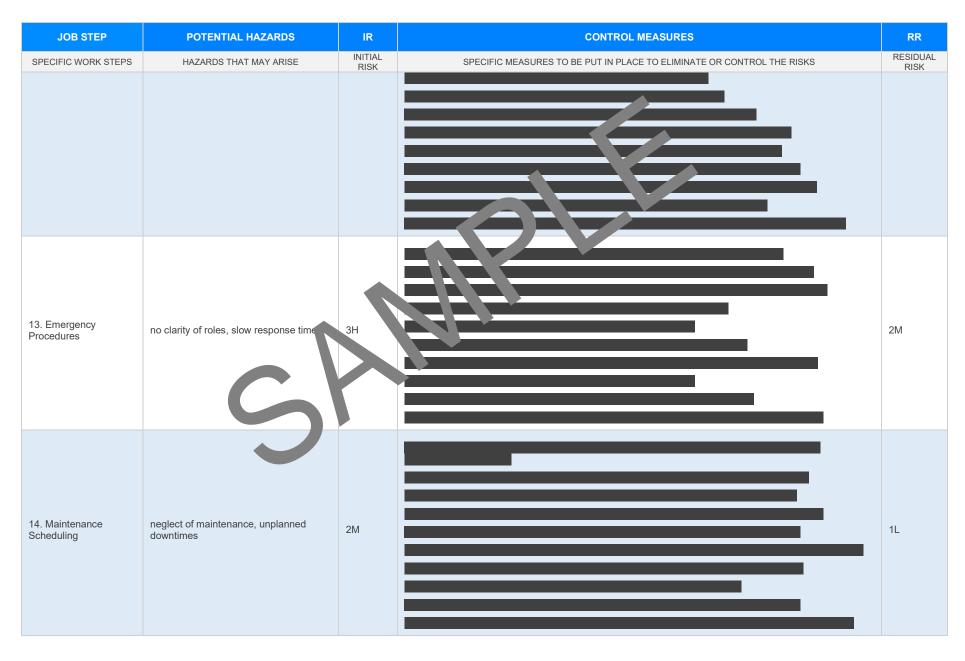
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10. Commissioning	system failures, improper setup	ЗН		1L
	5			
11. Staff Training	knowledge gaps, unfamiliarity with systems	2M		1L
12. Documentation	incomplete records, incorrect documentation	2M		1L

Version 2.5







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15. Review and Continuous Improvement	stagnation of safety practices, implementation of outdated practices	2M		1L	



#### **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 REFERENCES							
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE 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 au Safety Act 204 Occupational Health and afety or gulations 2017 Legis from VIC: https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- occupational-health-act-act-act-act-and- occupational-health-act-act-act-act-act-act-act-act-act-act						
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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediateserve-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-</u> <u>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_aces/codes-of-practice#COPs</u>	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						
Tasmania         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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <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>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>						