

Ground	ding The System Risk Asse	essment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema:	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensur	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRICING CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project In.			

Version 2.5 Authorised by Review # Review Date:



#### **RISK MATRIX LIKELIHOOD** INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

### Risk Rating & Required Action:

4A	Stop work. The risk is intolerable,	minate the hazard	redesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hime	er-level authorisation	is required.
3H	Review and approve additional c	role 'ask	arts. 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	ig procedure //oni	itor and keep records.

### **Consequence Scale:**

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
Moderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

#### Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- 1. Eliminate
- Substitute
- 3. Isolate
- 4. Engineering
- 5. Administrative
- 6. PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.



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. System Analysis	Inadequate data on system requirements, Incomplete risk identification	ЗН	- Conduct thorough data collection and requirement calysis  - Engage subject matter experts for comprehence of risk identification  - Use validated models to simulate potential system scenarios  - Set up review panels to analyse initial finding specific proceeding with implementation  - Implement a checklist to engage all potential risks are considered.  - Conduct peer reviews to validate analysis outcome.  - Update risk identification occumentation regularly  - Cross-verifications with the orical data from a utilar systems  - Utilization and data analytics tools  - Scholb pregulation dates and reviews of analytical methods	2M
2. Site Inspection	Uneven terrain, Obstructive thways	23	- Condult a proiminary curvey to identify terrain irregularities  - stall to aporate walkways over uneven surfaces  Use the markers to indicate uneven areas  Ilear all obstructions from pathways prior to inspections  - Exsure proper signage is in place to guide personnel  - Utilize drone technology for difficult-to-access inspection areas  - Issue Personal Protective Equipment (PPE) as necessary  - Establish a communication plan for unexpected site conditions  - Implement mobility aids for team members with accessibility needs  - Conduct site inspection briefing sessions	1L
3. Equipment Check	Malfunctioning equipment, Electrical hazards	ЗН	Perform pre-use visual checks on all equipment Schedule regular maintenance as per manufacturer guidelines Use lockout/tagout procedures during maintenance activities Provide adequate training for all personnel handling equipment Establish a reporting procedure for equipment faults Ensure all electrical equipment undergoes regular testing and tagging Implement double-insulation practices for all wiring Conduct periodic electrical safety training sessions	2M



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			<ul> <li>- Maintain a log of equipment checks and malfunctions</li> <li>- Provide surge protectors for sensitive equipment</li> </ul>	
4. Personnel Training	Lack of competency, Miscommunication	4A	- Provide surge protectors for sensitive equipment	<b>2</b> M
5. Risk Mitigation Planning	Inadequate risk as assement, Lack of mitigation strategi	ЗН		1L
6. Resource Allocation	Insufficient resources, Resource mismanagement	ЗН		2M



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7. Communication Planning	Information breakdown, Lack of stakeholder alignment	зн		2M
8. Grounding System Design	Design flaws, Noncomplia standards	JA		1L
9. Procurement	Supplier failure, Substandard materials	зн		2M



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10. Safety System Installation	Improper installation, Injury due to installation activities	4A		2M
11. Testing Electrical Systems	Electrical shocks, System failures	4A		2M
12. System Integration	Software incompatibility, Data corruption	ЗН		1L



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13. Electrical Grounding	Improper grounding, Electrocution	4A		2M
14. Documentation and Reporting	Inaccurate documentation Lack or traceability	2M		1L
15. Final System Review	Overlooked defects, Incomplete testing	3H		1L



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	6			



#### **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 OF 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

#### **New South Wales**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislations/

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-oi racti

#### **Northern Territory**

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 2011

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo\_place-

Codes of Practice NT: https://worksafe.nt.gov.au/f

#### South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/le

Codes of Practice for SA: https://www.safework.sa.gov.au/work\_aces/codes-of-practice#COPs

#### 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: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

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.

#### Victoria

Occupational Health at Safety Act 34

Occupational Health and affety gulations 2017

Legis on VIC: https://www.csafe.vic.gov.au/occupational-health-and-safety-act-and-

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les on actice VI atps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

#### Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation

Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

#### Safe Work Australia Links

Law and Regulation (All States): <a href="https://www.safeworkaustralia.gov.au/law-and-regulation">https://www.safeworkaustralia.gov.au/law-and-regulation</a> Model Codes of Practice: <a href="https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice">https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice</a>

#### **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
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work