

Navigate Stee	p Or Unstable Surfaces Ris	sk Assessment	
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 is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRI. CIL L. CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project In			



#### **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. Éliminate
- 2. 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. Preparation	Inadequate information about terrain, Poor weather conditions	3H	<ul> <li>Conduct a pre-site visit to assess terrain conditions and gather topographical data.</li> <li>Review weather forecasts and plan for incleptor weather.</li> <li>Brief workers on potential site challenges and emergen procedures.</li> <li>Ensure communication devices are operation and evaluable.</li> <li>Assess and check the suitability of clothing and extective generations as staff readiness.</li> <li>Prepare first-aids of an ensure staff readiness.</li> <li>Have an entergency evacation plans plans.</li> <li>Ensure a budge systems in operation of workers.</li> <li>Continuent all possible and permissions are obtained.</li> </ul>	2M
2. Equipment Assembly	Incorrect assembly, Unsuitable equipment use		<ul> <li>Train a perconnel or prect equipment assembly procedures.</li> <li>Train a perconnel or prect equipment assembly procedures.</li> <li>Perconnect inspection of all equipment following manufacturer guidelines.</li> <li>Se checklists to ensure all assembly procedures are followed.</li> <li>Re-check all safety harnesses and ropes for integrity.</li> <li>Have certified individuals oversee and approve equipment setup.</li> <li>Label all parts for easy identification and use.</li> <li>Store equipment correctly when not in use.</li> <li>Provide refresher training for personnel on safe equipment use.</li> <li>Ensure all safety tools are ready and in good condition.</li> </ul>	2M
3. Route Planning	Inaccurate route mapping, Unmarked hazards	4A	<ul> <li>Use updated maps and GPS technology for accurate route planning.</li> <li>Undertake preliminary recon to mark hazards.</li> <li>Map out alternative routes for potential deviations due to hazards or emergencies.</li> <li>Conduct risk assessments specific to the chosen routes.</li> <li>Communicate route plans to all team members verbally and in writing.</li> <li>Install temporary signs to indicate potential hazards as identified.</li> <li>Ensure routes minimise environmental impact.</li> <li>Review and update route plans regularly during longer duration projects.</li> </ul>	2M



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			- Engage with local experts or authorities to verify route safety.	
Engaging Steep Surfaces	Slips, trips, and falls, Unstable footing	4A	- Create contingency plans for areas where visibility may be limited.	2M
5. Inspecting Terrain	Hidden hazards, Rapid changes in terrain conditions	ЗН		1L
6. Navigating Unstable Ground	Ground shifting, Sudden subsidence	4A		2M



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7. Crossing Water Channels	Rapid currents, Slippery surfaces	4A		2M
8. Equipment Operation	Operator error, Malfunctioning equipment	3H		] 2M
9. Remote Communication	Signal loss, Miscommunication	ЗН		1L



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10. Ending Operations	Equipment left unsecured Injury during packing	21		1L
11. Training and Refreshment	Outdated skills, Lack of familiarity with new techniques	ЗН		1L

Review Date:



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12. Emergency Response Drills	Delayed emergency response, Lack of coordination	4A		2M
13. Fatigue Management	Decreased performance, Higher risk accidents	ЗН		2M
14. Terrain Rehabilitation	Environmental impacts, Unstable ground post-operation	4A		2M

Review Date:



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15. Record Keeping & Reporting	Incomplete records, Loss of critical data	ЗН		1L
16. Weather Monitoring	Sudden weather changes, Unanticipated severe conditions	4A		2M



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17. Psychological Wellbeing	Stress, Isolation impact	3H		1L
18. Vehicle Navigation	Lost control, Vehicle malfunction	4A		2M



### **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/legislatide

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 201

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\_lation

Codes of Practice for SA: <a href="https://www.safework.sa.gov.au/wor">https://www.safework.sa.gov.au/wor</a> 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

Occupational Health and afety gulations 2017

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

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tes of actice VIC attps://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: <a href="https://www.commerce.wa.gov.au/worksafe/legislation">https://www.commerce.wa.gov.au/worksafe/legislation</a> Codes of Practice WA: <a href="https://www.commerce.wa.gov.au/worksafe/codes-practice">https://www.commerce.wa.gov.au/worksafe/codes-practice</a>

### 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