

## Assessing Wind Speed Before Lifting Loads Risk Assessment

Business Name:	ABN:	
Business Address:		
Contact Person:	Phone:	Email:

### THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

### CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			<b>Elimination</b> Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	<b>Substitution</b> Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	<b>Engineering</b> Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	<b>Administrative</b> Change	
								<b>PPE</b>	
<b>Risk Rating &amp; Required Action:</b>								<b>Notes on Hierarchy of Controls:</b>	
<b>4A</b>		Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.						Remember to apply controls in the preferred order shown by the coloured pyramid:	
<b>3H</b>		Review and approve additional controls before task starts. Senior supervisor sign-off needed.						1. <b>Eliminate</b>	
<b>2M</b>		Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.						2. Substitute	
<b>1L</b>		Proceed, following standard operating procedures. Monitor and keep records.						3. Isolate	
<b>Consequence Scale:</b>								4. Engineering	
<b>Consequence</b>	<b>People (injury/illness)</b>		<b>Project / Assets</b>		<b>Compliance / Reputation</b>			5. Administrative	
<b>Catastrophic</b>	Fatality or permanent total disability		project shutdown		Significant regulator intervention; criminal prosecution			6. PPE	
<b>Major</b>	Serious injury/illness (hospital > 5 days)		critical delay		Improvement notice; major media coverage			Always document <b>why</b> a lower-order control is accepted if elimination or substitution is not reasonably practicable.	
<b>Moderate</b>	Medical-treatment injury; lost-time > 1 day		moderate delay		Minor breach; adverse client comment			<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>	
<b>Minor</b>	First-aid only, no lost time		negligible delay		Isolated non-conformance				
<b>Insignificant</b>	No injury		no schedule impact		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	Inadequate training, Failure to check weather	3H	<ul style="list-style-type: none"> <li>- Ensure all personnel are trained in wind assessment procedures</li> <li>- Review weather forecast prior to lifting activities</li> <li>- Conduct regular safety meetings to discuss wind risks</li> <li>- Implement a wind speed monitoring policy</li> <li>- Use wind speed measuring tools accurately</li> <li>- Document weather conditions daily</li> <li>- Increase awareness of weather changes</li> <li>- Implement an emergency action plan</li> <li>- Schedule lifting tasks during favourable weather conditions</li> <li>- Limit non-essential personnel into the area</li> </ul>	2M
2. Equipment inspection	Equipment malfunction, Inadequate safety checks	3H	<ul style="list-style-type: none"> <li>- Perform daily checks on all lifting equipment</li> <li>- Develop equipment maintenance logs</li> <li>- Ensure equipment is compliant with safety standards</li> <li>- Replace faulty equipment immediately</li> <li>- Use certified and tested equipment only</li> <li>- Train staff in equipment inspection protocols</li> <li>- Confirm load limits are not exceeded</li> <li>- Have a repair team on standby</li> <li>- Review equipment manuals regularly</li> <li>- Ensure proper storage of equipment</li> </ul>	2M
3. Site assessment	Unstable surface, Proximity hazards	3H	<ul style="list-style-type: none"> <li>- Conduct a site-specific risk assessment</li> <li>- Ensure ground stability is verified before setup</li> <li>- Mark out safety zones with barriers</li> <li>- Identify nearby hazards like power lines</li> <li>- Use ground support or stabilising platforms</li> <li>- Review site history for incidents</li> <li>- Establish communication protocols for emergencies</li> <li>- Arrange for additional spotters if visibility is poor</li> </ul>	2M

		- Develop action plans for unforeseen site changes
st, Inaccurate wind	4A	[Redacted]
chery, Imbalance of	3H	[Redacted]

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7. Emergency preparedness	Inadequate emergency response, Delayed emergency action	4A		2M
8. Staff training	Knowledge gaps, inexperienced operators	3H		1L
9. Weather condition review	Unexpected weather change, Inaccurate forecasts	4A		2M

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10. Lift execution	Load swing, Crew injury during lift	4A		2M
11. Equipment operation	Operator error, Mechanical failure	3H		2M
12. Crew coordination	Task misalignment, Coordination breakdown	3H		1L

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13. Post-lift assessment	Damage assessment failure, Missed learnings	3H		1L
14. Documentation and reporting	Incomplete records, Error reporting	3H		1L
15. Continuous improvement	Stagnant safety procedures, Lack of innovation	3H		1L

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SAMPLE



## 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 IF ANY STATE THAT 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 and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-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/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-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>

### Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-practice>

### Safe Work Australia Links

Law and Regulation (All States): <https://www.safeworkaustralia.gov.au/law-and-regulation>

Model Codes of Practice: <https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice>

### 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

### 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/legislation>

Codes of Practice for SA: <https://www.safework.sa.gov.au/workplaces/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.