

## Load Slinging 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.	<b>Isolation</b> 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>

## Risk Rating & Required Action:

<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.
<b>3H</b>	Review and approve additional controls before task starts. Senior supervisor sign-off needed.
<b>2M</b>	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.
<b>1L</b>	Proceed, following standard operating procedures. Monitor and keep records.

## Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
<b>Catastrophic</b>	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
<b>Major</b>	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
<b>Moderate</b>	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
<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

## 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**

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. Planning and Preparation	Inadequate training, Lack of communication	3H	<ul style="list-style-type: none"> <li>- Conduct pre-task meeting to discuss procedures and responsibilities</li> <li>- Ensure all workers are trained and competent in load slinging</li> <li>- Review and sign off on the risk assessment by all team members</li> <li>- Establish communication protocols, including hand signals and use of radios</li> <li>- Ensure availability of necessary personal protective equipment (PPE)</li> <li>- Inspect lifting gear for wear and tear</li> <li>- Obtain necessary permits and approvals</li> <li>- Ensure understanding of load limits</li> <li>- Establish exclusion zone around lifting area</li> <li>- Confirm roles and responsibilities with team</li> </ul>	2M
2. Inspect Lifting Equipment	Defective lifting gear, Incorrect equipment selection	3H	<ul style="list-style-type: none"> <li>- Inspect all lifting equipment before use for defects or damages</li> <li>- Verify that all equipment is properly tagged and certified</li> <li>- Select equipment suitable for the load weight and type</li> <li>- Use only equipment that has been tested and approved</li> <li>- Evaluate site conditions and select appropriate gear accordingly</li> <li>- Record findings of equipment inspections</li> <li>- Ensure all slings and attachments are in good condition</li> <li>- Replace any defective gear immediately</li> <li>- Perform functionality tests on lifting devices</li> <li>- Verify SWL (Safe Working Load) markings are legible</li> </ul>	1L
3. Position Load and Equipment	Incorrect load positioning, Instability during lift	4A	<ul style="list-style-type: none"> <li>- Plan the lift path and ensure it is clear of obstructions</li> <li>- Use taglines to control load sway and rotation</li> <li>- Confirm load is secured properly and balanced before lifting</li> <li>- Double-check attachment points for security</li> <li>- Have a spotter present to guide the lift</li> <li>- Stabilize the load using additional rigging if needed</li> <li>- Assess and adjust for any changes in centre of gravity</li> <li>- Limit personnel in close proximity during lift positioning</li> </ul>	2M

Incident		Analysis	Recommendations
Component failure	4A	<ul style="list-style-type: none"> <li>1. Insufficient testing of component</li> <li>2. Poor quality control</li> <li>3. Inadequate documentation</li> <li>4. Lack of communication</li> <li>5. Insufficient training</li> <li>6. Poor maintenance</li> <li>7. Inadequate safety measures</li> <li>8. Lack of oversight</li> <li>9. Poor decision making</li> <li>10. Inadequate resources</li> <li>11. Poor planning</li> <li>12. Inadequate risk assessment</li> <li>13. Poor communication</li> <li>14. Inadequate training</li> <li>15. Poor maintenance</li> <li>16. Inadequate safety measures</li> <li>17. Lack of oversight</li> <li>18. Poor decision making</li> <li>19. Inadequate resources</li> <li>20. Poor planning</li> <li>21. Inadequate risk assessment</li> <li>22. Poor communication</li> <li>23. Inadequate training</li> <li>24. Poor maintenance</li> <li>25. Inadequate safety measures</li> <li>26. Lack of oversight</li> <li>27. Poor decision making</li> <li>28. Inadequate resources</li> <li>29. Poor planning</li> <li>30. Inadequate risk assessment</li> </ul>	<ul style="list-style-type: none"> <li>- Update crew on progress and any changes</li> </ul>
Collision with objects	3H	<ul style="list-style-type: none"> <li>1. Poor visibility</li> <li>2. Inadequate navigation</li> <li>3. Poor decision making</li> <li>4. Inadequate communication</li> <li>5. Poor maintenance</li> <li>6. Inadequate safety measures</li> <li>7. Lack of oversight</li> <li>8. Poor planning</li> <li>9. Inadequate risk assessment</li> <li>10. Poor communication</li> <li>11. Inadequate training</li> <li>12. Poor maintenance</li> <li>13. Inadequate safety measures</li> <li>14. Lack of oversight</li> <li>15. Poor decision making</li> <li>16. Inadequate resources</li> <li>17. Poor planning</li> <li>18. Inadequate risk assessment</li> <li>19. Poor communication</li> <li>20. Inadequate training</li> <li>21. Poor maintenance</li> <li>22. Inadequate safety measures</li> <li>23. Lack of oversight</li> <li>24. Poor decision making</li> <li>25. Inadequate resources</li> <li>26. Poor planning</li> <li>27. Inadequate risk assessment</li> <li>28. Poor communication</li> <li>29. Inadequate training</li> <li>30. Poor maintenance</li> </ul>	

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7. Post-Operation Inspection	Unnoticed damage, Missed maintenance	3H		1L
8. Review and Document	Incomplete records, Procedure oversight	3H		1L
9. Update Training	Skill degradation, Procedure changes	3H		1L

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10. Emergency Preparedness	Lack of preparedness, Delayed response	3H		1L
11. Communication Protocols	Miscommunication, Language barriers	3H		1L
12. Control of Site	Unauthorised access, Slips and trips	3H		1L

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13. Evaluation of Environmental Conditions	Adverse weather, Visibility issues	4A		2M
14. Coordination with Other Site Activities	Activity conflict, Resource short	4A		2M
15. Assuring Load Safety	Load integrity concerns, Improper load handling	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.