

Programming	Auto Felling Machines Ris	sk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU O) '' AROJECT	
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 ensur	re that a RISK ASSESSMENT
Full Name:			
Signature:		ıtle:	Date:
CL	OR PRICIE L. CO. TRACTOR	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv			

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 hi	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 efficive	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ng procedurer //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	Slips, trips and falls, Electrical shock	ЗН	Conduct site inspection to identify potential hazards to fore work begins. Ensure all workers are wearing appropriate PP and uding non-slip boots. Check all electrical equipment for frayed coast and ensure all sin good working order. Conduct toolbox talk to communicate daily tast parts safety protocols. Ensure adequate lighting is available in work are Designate pathways and keep from clear of obstructions. Train workers on a select cal protices. Ensure first a kits are available and accession. Put undroper strange to cert others on ank zones. Verify by fication and competence of all personnel involved.	2M
2. Machine Setup	Manual handling injuries Machine entanglement		Follow I anula clurer's actructions for machine setup. Learned anicals als for heavy lifting to reduce strain. Ensure the uards and safety devices are attached and functional. Learned anicals as safe distance from moving parts. Conduct risk assessment for non-routine tasks before starting. Implement lockout/tagout procedures when required. Provide training on the use of setup tools and machines. Utilise team lifting techniques wherever necessary. Ensure clear communication among team members setting up equipment. Regularly update machine maintenance and inspection records.	2M
3. Calibration	Incorrect calibration leading to malfunction, Exposure to high-pressure systems	3H	Use precise calibration tools as recommended by the manufacturer. Ensure only qualified personnel perform calibration tasks. Document calibration settings and retain records for verification. Test calibration settings in a controlled environment before full operation. Follow up with immediate adjustments if errors are detected. Provide clear instructions on calibration procedures. Use PPE such as safety glasses and gloves when dealing with high pressures. Employ pressure relieving devices in high-pressure systems.	1L



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			Align calibration procedures with digital monitoring where possible. Regularly review calibration procedures for efficacy.	
4. Programming	Software faults leading to machine failure, Cybersecurity threats	4A	Tregularly review calibration procedures for efficacy.	2M
5. Testing	Unsecured objects secoming projectiles, Noise exposure	ЗН		1L
6. Operation	Operational errors, Contact with moving parts	4A		2M



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7. Maintenance	Exposure to hazardous substances, Failure to identify wear and tear	ЗН		1L
8. Emergency Protocols	Delayed response to emage. Inadequate first aid supplies	4A		2M
9. Decommissioning	Equipment failure during shutdown, Hazardous waste generation	3H		1L



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10. Reporting	Inaccurate reporting, Failure to document hazards	2M		1L
11. Review	Overlooked hazardous conditions, Outdated procedures	2M		1L



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12. Worker Training	Insufficient understanding of operation, Lack of hazard awareness	3Н		1L
13. Communication	Miscommunication, Macron Vity in safety procedures	off		1L
14. Environmental Impact	Environmental contamination, Inefficient resource usage	ЗН		1L



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15. Documentation	Loss of critical information, Inconsistent record-keeping	2M		1L
16. Coordination	Conflicting task assignments, Resource misallocation	ЗН		1L
17. Health Monitoring	Exposure to hazardous materials, Ergonomic injuries	ЗН		1L



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18. Stakeholder Engagement	Neglect of stakeholder concerns, Non-compliance with stakeholder agreements	2M		1L
19. Contractor Management	Non-compliance with safety standards, Lack of clarity on contractor roles	4A		2M
20. Continuous Improvement	Stagnation of safety practices, Failure to innovate risk mitigation	2M		1L



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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

 $\underline{\textbf{Legislation QLD:}} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}}$

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/legislati

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-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: 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 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: 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): 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