

Life Raft Deployment Risk Assessment

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

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THE 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			Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution 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.	Engineering Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change	
								PPE	

Risk Rating & Required Action:

4A	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.
3H	Review and approve additional controls before task starts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor 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:

- Eliminate**
- Substitute
- Isolate
- Engineering
- Administrative
- 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 training, Equipment malfunction	3H	<ul style="list-style-type: none"> - Conduct comprehensive training for all personnel - Regularly inspect all equipment - Develop a detailed checklist for preparation - Assign roles and responsibilities clearly - Conduct safety briefings before each operation - Ensure all communication devices are functioning properly - Verify weather conditions - Confirm availability of safety gear - Review emergency procedures - Test equipment prior to use 	2M
2. Launch Site Assessment	Unsafe weather conditions, Obstruction in the path	3H	<ul style="list-style-type: none"> - Regularly check weather forecasts - Inspect the vicinity for hazards - Mark and remove obstructions - Communicate with port authority for potential hazards - Establish a safe zone around the deployment area - Monitor weather conditions continuously - Document assessment findings - Ensure visual indicators are in place - Deploy safety personnel on standby - Maintain clear lines of communication 	2M
3. Equipment Inspection	Defect in life raft, Expired equipment, Inappropriate storage conditions	4A	<ul style="list-style-type: none"> - Perform thorough pre-use inspection - Maintain an up-to-date equipment register - Conduct regular audits of storage conditions - Schedule regular maintenance checks - Use manufacturer-approved parts for repairs - Train staff in identifying equipment defects - Inspect expiry dates regularly - Ensure proper storage conditions 	2M

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			<ul style="list-style-type: none"> - Tag any defective equipment - Develop and apply equipment inspection protocols 	
4. Loading Life Raft	Improper loading technique, Overloading, Equipment damage	3H	<ul style="list-style-type: none"> - Ensure proper loading technique is followed - Limit weight of equipment loaded - Inspect equipment for damage before loading - Use proper tie-down technique - Distribute weight evenly - Use proper stacking technique - Inspect equipment for damage after loading - Use proper securing technique - Inspect equipment for damage after securing - Use proper unloading technique 	1L
5. Securing Life Raft	Insecure fastening, Environmental factors causing instability	3H	<ul style="list-style-type: none"> - Use proper fastening technique - Inspect fastenings after securing - Use proper securing technique - Inspect equipment for damage after securing - Use proper unloading technique - Inspect equipment for damage after unloading - Use proper loading technique - Inspect equipment for damage before loading - Use proper tie-down technique - Distribute weight evenly - Use proper stacking technique 	1L
6. Pre-Deployment Checklist	Missing critical steps, Last-minute changes	3H	<ul style="list-style-type: none"> - Review checklist before deployment - Inspect equipment for damage before deployment - Use proper loading technique - Inspect equipment for damage after loading - Use proper securing technique - Inspect equipment for damage after securing - Use proper unloading technique - Inspect equipment for damage after unloading 	1L

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7. Deployment Briefing	Lack of understanding by personnel, Failure to address all concerns	2M		1L
8. Final Equipment Check	Unexpected equipment failure Overlooked maintenance issues	3H		2M
9. Emergency Preparedness	Inexperience in emergency situations, Non-compliance with emergency protocols	3H		1L

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			<div></div> <div></div> <div></div> <div></div>	
10. Final Approval	Lacking authorisation, Overriding safety concerns	3H	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	2M
11. Deployment Execution	Improper deployment sequence, Environmental conditions like high winds	4A	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	2M
12. Monitoring and Adjustment	Unforeseen environmental changes, Equipment drift	3H	<div></div> <div></div> <div></div> <div></div> <div></div>	1L

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13. Feedback Collection	Incomplete data collection, Misinterpretation of feedback due to lack of structure	2M		1L
14. Post-Deployment De-Brief	Missing critical feedback, Overlooking procedural errors	3H		2M
15. Reporting and Documentation	Inaccurate reporting, Non-compliance with documentation standards	3H		2M

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16. Continuous Improvement	Failure to implement improvements, Resistance to change	3H	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	2M

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) Regulation 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.