

Working V	Vith Airbag Systems Risk A	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema:	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU ON Y 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 // Ion	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. Eliminate
- 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	Electric shock, Static electricity discharge	3H	 Conduct a pre-work briefing to ensure all team mere are understand the procedure. Use insulated tools to avoid electric shock. Wear anti-static wristbands to prevent star discharge Ensure all power sources are disconnected to bre commencing work. Verify training records for briddling airbag system are up-to-me. Keep a fire extinguisher suitant for electrical fires or bis peach. Ensure clear contamination in changes amongst the team. Identify any emarcate say work zones. Chemenviron ental conditions to minusaze static risk. Main handry was area to reduce the chance of electric shock. 	2M
Deactivating the Airbag System	Accidental deployment that curren		 Discon ect to batter prior to deactivating the airbag. Vait for minitor of 30 minutes after battery disconnection to allow capacitors to discharge. Follow to pufacturer-specific guidelines for deactivation. Volate the system using lockout/tagout procedures. Use appropriate personal protective equipment, such as safety goggles and gloves. Verify deactivation with a multimeter. Place a warning sign on the steering wheel or dashboard to indicate deactivation. Ensure only trained personnel work on deactivation. Use a protective covering over the airbag system during deactivation. Ensure constant supervision during deactivation process. 	2M
3. Removing the Airbag Module	Inadvertent airbag deployment, Strain injuries from improper lifting	ЗН	 Check that the airbag system is deactivated. Use appropriate lifting techniques to avoid strain injuries. Ensure adequate team lifting support if required. Handle the airbag module with care to avoid accidental chamber activation. Use the correct tools specified for airbag removal. Keep removal area clear of non-essential personnel. Post removal, place the airbag module in a designated, safe container. Avoid direct body positioning in the airbag deployment path. 	1L



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			- Conduct team review of removal plan to identify potential issues.	
			- Inspect module connectors for damage.	
4. Storing the Airbag Module	Chemical hazards from airbag inflator, Fire hazards	2M		1L
5. Disposal of Airbag Module	Environmental commination, Explosion risk	ЗН		1L
6. Inspecting Electrical Connectors	Electrical shock, Contact with sharp components	2M		1L



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7. Reinstalling the Airbag Module	Improper installation leading to failure, Pinching hazards	ЗН		1L
8. Reconnecting Power	Electrical surge, Unexpected deployment	4A		2M
9. Final System Check	System faults leading to deployment, Electronic malfunctions	3H		1L



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10. Cleanup and Debrief	Slips, trips and falls, Waste handling	2M		1L
11. Training Review	Inadequate knowledge leading to errors, Training fatigue	2M		1L
12. Emergency Preparedness	Delayed response during an emergency, Inadequate emergency equipment	4A		2M



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13. Communication and Documentation	Miscommunication, Record inaccurat	ЗН		1L
14. Feedback and Improvement Processes	Underreporting of near-misses, Resistance to change	2M		1L



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15. Safety Culture Enhancement	Complacency in following procedures, Inadequate safety leadership	ЗН		1L
16. Equipment Inspection and Maintenance	Equipment failure, Improper use	3H		1L
17. Review of Procedures	Outdated work practices, Failure to apply lessons learned	2M		1L



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18. Supplier and Contractor Management	Non-compliance from external parties, Quality issues with provided components	3Н		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

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-or 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 al. Safety Act

Occupational Health and affety gulations 2017

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

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les on actice VI atps://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