



Airborne Ultrasonics	s SAFE WORK METHOD S	STATEMENT (SWMS)	
TAS	K OR ACTIVITY: Airborne Ultras	onics	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E jil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PCL OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or under the (PC 1) is	required to en ethat a safe work method s	statement (SWMS) is prepared before
Full Name:			
Signature:	NY	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	apliance the VMS a well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS & MS MAY HAVE THE FOLLOWING COMMUNICATED	NA. 2 OF ALL RELEVANT PERSONNI EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND C THIS SWMS	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched ed in account with a gislative requirements to first identify any site hazards, and then to further take steps to either eliminate or continuous each hazard.			
If an incident or a near miss occurs, all work must sto, adately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.			
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.			
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.			





CLIENT OR PRINCIPAL	CONTRACTOR DETAILS
Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	
ANY HIGH BIOK CONSTRUCTOR	NAME OF THE POLIT
ANY HIGH-RISK CONSTRUCTOR	N WC & BEIN C ARIED OUT
☐ involves a risk of a person falling more than 2 meters	is carried out on or near pressurised gas mains or piping
☐ is carried out on a telecommunication tower	carried out on or near chemical, fuel or refrigerant lines
☐ involves demolition of an element of a structure that is load-bearing	\square is carried out on or near energised electrical installations or services
☐ involves demolition of an element related to the physical integral of a functure	☐ is carried out in an area that may have a contaminated or flammable atmosphere
☐ involves, or is likely to involve, disturbing asb	☐ involves tilt-up or precast concrete
☐ involves structural alteration or repair that —quires term — v sup —rt to prevent collapse	☐ is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor
☐ is carried out in or near a confined space	☐ is carried out in an area of a workplace where there is any movement of powered mobile plant
☐ is carried out in/near a shaft or trench deeper that. tunnel involving use of explosives	☐ is carried out in areas with artificial extremes of temperature.
\square is carried out in or near water or other liquid that involves a risk of drowning.	☐ involves diving work.
ANY HIGH-RISK MACHINER	Y OR EQUIPMENT NEARBY



RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HEI	RARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE	ACTION		Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCE		Substitution	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.		Replace the hazard.	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Isolate	e People from the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and		Engineering Isolate the hazard.	
is the second m	the second most effective method of controlling a hazard. Engineering by isolation is the it cost engine the work is the fourth most effective method. PPE (Personal Protective Equament) is the least effective									

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPL	abo. auitab	le or the equi	pment used or	the job task	being perforr	ned (if applica	ıble).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING ETION	P ECTION	PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	Required:										
	Pe	ermit or Licen	ses Requirem	ents		Mandatory Qualifications and Training					



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	Trip and slip hazards, Electrical hazards	2M	 Ensure the work area is clean and free of cover, debris, or any other obstacles that could potentially cause a trip or slip hazard. Install proper signage and barriers around the coverage to indicate potential hazards and restrict access to authorised personnel only. Conduct regular inspections to the work area, increasing flows and walkways, to identify and address any potential slip, trip, or clothical heards. Implement are active case make ement systal a such as using cable covers or organizers to prevent cables from the ating tripping hazards and ended they remain undamaged. Utilize appropriate per sall protective suipment (PPE) such as non-slip footwear, safety gloves, and eye provision to the crisks associated with identified hazards. Make sure all electrical equipment used in the work step is well-maintained, tested, and tagged by a certifiet electrical to be inferred in the work step on how to safely handle and operate equipment, as and at dentify cotential hazards and take immediate action when necessary. Encourse workers to report any hazards or unsafe conditions immediately to their supervisor or the arkplace Health and Safety Consultant for prompt action and resolution. Develop an emergency response plan in case of accidents or incidents related to slip, trip, or electrical hazards during the work step, ensuring all workers are familiar with the plan and know how to implement it if required. Regularly update risk assessments and safety procedures based on new information, best practices, or changes in workplace conditions to ensure continued safety in the work environment while handling airborne ultrasonics. 	1L
2. Equipment Setup	Manual handling risks, Noise exposure	2M	 Proper Equipment Handling: Ensure that workers are trained in correct manual handling techniques when lifting, carrying, or setting up the equipment to minimise the risk of injuries. Use of PPE: Provide appropriate personal protective equipment (PPE), such as gloves and safety footwear, to protect workers from potential hazards when handling the equipment. Team Lifting: Encourage team lifting for heavier equipment or components to reduce the strain on individual workers and prevent injuries. Trolley Usage: Utilise trolleys or other mechanical aids to transport heavy equipment, where possible, to minimise manual handling risks. Pre-Setup Inspection: Carry out a thorough inspection of the equipment before set-up to identify any potential hazards or issues that could pose a risk during operation. Noise Assessment: Conduct a noise assessment to determine if the ultrasonic equipment will generate a high level of noise exposure, and take action according to the results. 	1L



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			 Noise Control Measures: Implement engineering controls, such as sound-dampening barriers or enclosures, to minimise noise exposure, especially if it is found to be above safe levels. 	
			- Hearing Protection: Provide hearing protection decrees, like earplugs or earmuffs, to workers who are exposed to high noise levels during equipment veration, and ensure they are adequately trained in their use.	
			- Regular Breaks: Schedule regular breaks to vorker exposed to high noise levels to reduce the amount of time spent in a noisy environment, helping to make noise-induced hearing damage.	
			- Clear Communication: Esta sh clear communication protocols while working with ultrasonic equipment to ensure important instruction or warnings can be established derstood by all team members, especially in noisy conditions.	
			- Training and tracation: Let iver concrehensive aining sessions on airborne ultrasonics, focusing on potential hazer is like many handling isks of a noise exposure, and provide information on how to mitigat otherwise.	
			- More year and well-continuously review and monitor the implemented control measures to assess their expenses a pinimising hazards associated with equipment setup and make adjustments as needed	
			quial hispector and maintenance: Ensure that all equipment is regularly inspected and maintained according to the manufacturer's guidelines to help prevent malfunctions.	
			Qualified personnel: Only allow trained and qualified personnel to carry out calibration tasks to minimise to risk of equipment malfunction or accidents due to human error.	
			Isolation of electrical hazards: Ensure that any electrical hazards are properly isolated, marked, and secured to avoid accidental contact during the calibration process.	
	5		- Personal protective equipment: Provide appropriate personal protective equipment (PPE) for workers during calibration, such as insulated gloves, safety goggles, and face shields, to protect against potential electrical hazards.	
3. Calibration	Equipment malfunction, hazards	2M	- Clear workspace: Maintain a clean and organised workspace during calibration to minimise the risk of trips and falls and to ensure that proper safety precautions are taken.	1L
			- Proper documentation: Keep accurate records of all calibrations performed, including date, time, equipment information, and any issues encountered or adjustments made.	
			- Safe work practices: Implement safe work practices, such as lockout/tagout procedures, to protect personnel from unexpected energization or startup of equipment during calibration.	
			- Use of calibrated instruments: Ensure that only calibrated instruments are used in the calibration process to reduce the likelihood of equipment malfunction.	
			- Emergency response plan: Establish a clear emergency response plan with assigned roles and responsibilities for addressing equipment malfunctions and electrical hazards during calibration.	
			- Instrumentation grounding: Confirm that all calibration instruments are properly grounded according to the manufacturer's instructions to prevent electrical hazards.	



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			 Awareness training: Conduct regular safety training and awareness sessions on the proper use and handling of airborne ultrasonic equipment and the related hazards. 	
			- Incident reporting system: Implement an incident porting system to track and analyse equipment malfunction and electrical hazard incidents and prove overall safety processes.	
			- External audits and inspections: Engage external properties that are safety consultants for regular audits and inspections of calibration processes and equipment to ensure ongoing compliance and safety.	
			- Continuous improvement: to findings from inclusit report audits, and inspections to develop and implement ongoing improvements to the calibration open and associated safety measures.	
4. Testing Area Setup	Ventilation issues, European expos	зн		2M



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5. Pre-Testing Procedures	Airborne particle exposure, Cross-contamination	3H		1L
6. Airborne Ultrasonic Testing	Acoustic injury, Radiant energy exposure	3H		2M



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7. Data Collection	Electrical hazards, Ergonomic strain	2M		l 1L



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8. Quality Control Checks	Inaccurate results, Exposure to pathogens	2M		1L



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9. Report Generation	Misinterpretation of data, Error in report	2M		1L



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
10. Equipment Breakdown	Maintenance hazards, Manual handling risks	2M		1L



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
11. Decontamination Procedures	Chemical hazards, Exposure to pathogens	3H		I I 1L



POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
al handling risks. Trip and slip	2M		1L
		HAZARDS THAT MAY ARISE INITIAL RISK INITIAL RISK	HAZARDS THAT MAY ARISE INITIAL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS



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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/legislations/

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-oi racti

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/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/legislation

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 affety gulations 2017

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

gulat

des on actice VI autros://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





SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Signature	Date

SAFE WORK IN THE STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remains a fective of must be reviewed (and revised if necessary) if relevant control measures are revised. The view process should be carried out in consultation with workers (including contractors of the SWMS and their health and safety representatives who represented that work group at the workplace.

When the SWMS has been revised the PCBU mast ensure that advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a rest of the review are advised of the changes in a way that will enable them to implement their duties and the involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							





SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	COMMENTS
		•
The company details have been entered, including the project name and address.		
All relevant personnel consulted during the development of the SWMS.		
Name, signature, position and date signed of the person approving the SWMS.		
Specific personnel and qualifications, experience is noted in the SWMS.	7	
Provides a step-by-step process of tasks required to carry out the activity or task.		
Adequate risk assessment of any identified hazards has been completed.		
Foreseeable hazards are identified and documented for each step.		
Any hazards listed in any site risk assessments have been added to the SWMS		
SWMS initial risk (IR) column as well as residual risk (RR) column pleted.		
Check control measures added to the SWMS are the most effective selective.		
Responsible person is assigned and listed on the part of the important of measures.		
Permit or licenses requirements specified, sur as Hot Work, Electric Work, Work at Heights etc.		
SWMS identifies plant and equipment to be us		
Details of inspection checks required for any equipment listed at noted on the SWMS.		
Describes any mandatory qualifications, experience, or skills required to perform the work.		
Applicable personal protective equipment is selected on the SWMS.		
Reflects and documents any legislative references and/or Australian Standards.		
Identifies any hazardous substances used with specific control measures in line with any SDS.		
REVIEWED BY	DATE REVIEWE	D
SIGNATURE	DATE COMPLETE	ED ED