

Risk Assessment

RA012 – Use of Portable Electrical Equipment



ABI Equipment Ltd	Creation Date: 28/09/12
Use of portable Electrical Equipment	

Main Hazards are:	
Electric shock from equipment.	Trip over equipment / cables.
Contact with moving / rotating parts.	Poor task lighting – unseen hazard.
Noise induced hearing loss.	Production of dust / debris / loose material.
Vibration damage.	
Persons / Property affected	
All Employees	General Public

Assessment of Risk:	Severity	3	X	Likelihood	3	= Risk	9
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Control Measures already in Place	PPE Required
1. Inventory of all equipment to be kept up to date. Records of test results and frequency to be maintained.	Safety helmets <input type="checkbox"/>
2. Operatives should be advised to avoid exposing the equipment / cables / leads to adverse weather conditions that may cause damage or electric shock.	Hi-Vis Jackets <input type="checkbox"/>
3. Operatives should check the equipment before each use to ensure that damage to the equipment is not present. If equipment is in a potentially unfit condition, it should be removed from the work area and management notified of the requirement for repair/replacement immediately. Unfit equipment that cannot be removed from the work area should be clearly labelled or secured to prevent use by third parties.	Safety footwear <input checked="" type="checkbox"/>
4. Operatives should be instructed in the placement of equipment and cables, within the work area, to minimize the risk of themselves or others tripping over or coming into contact with the work equipment.	Eye protection <input checked="" type="checkbox"/>
5. Temporary repairs are not acceptable.	Dust masks <input checked="" type="checkbox"/>
6. All extension cables to be unwound completely.	Ear plugs <input checked="" type="checkbox"/>
7. Sockets not to be overloaded. Preferable using one plug per socket.	Earmuffs <input checked="" type="checkbox"/>
8. Equipment to be positions so fans are clear of obstruction to avoid overheating.	Gloves <input checked="" type="checkbox"/>
9. All portable equipment should be subject to an annual PAT Test shown by a dated label attached to the power cable.	Protective overalls <input checked="" type="checkbox"/>
	Gauntlets <input checked="" type="checkbox"/>
	Harnesses <input type="checkbox"/>
	Breathing apparatus <input checked="" type="checkbox"/>
	Face masks <input checked="" type="checkbox"/>

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Additional Controls required	PPE/Equipment
All personnel involved in the work should be trained to perform their duties with due regard to the health and safety of themselves and anyone else who could be affected.	All personnel MUST wear the appropriate level of PPE for the activity they are involved with or area they are in.
The employee must be adequately trained and competent to operate the tools/equipment they are to use.	
Newly trained staff should be supervised until a suitable level of competency has been achieved.	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Cathy Sheehan	28/09/2012
Updated by	Ash Soliman	16/09/2024
Review by:	Ash Soliman	16/09/2024

RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

Version Number	RA012-0924-5.0
Document location	M:\Health & Safety\Risk Assessments
Prepared by	Cathy Sheehan
Reviewed by	Ash Soliman
Next review Date	September 2027