

Risk Assessment

RA008B – Use of Handheld Electric Tools at Site



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| ABI Equipment Ltd | Creation Date: 15/01/14 |
| Use of Handheld Electric Tools at Site | |

| Main Hazards are: | |
|---|---|
| Electric shock | Excessive Vibration. |
| Torque/sudden movement of the tool, e.g., high-power drill hitting a hidden reinforcement and twisting. | Particles or fragments ejected from the tool or material. |
| Trailing electrical cables causing a trip hazard. | Excessive Noise. |
| Excessive dust generated. | |
| Persons / Property affected | |
| All Employees | General Public |

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|---------------------|----------|---|---|------------|---|--------|----|
| Assessment of Risk: | Severity | 5 | X | Likelihood | 4 | = Risk | 20 |
|---------------------|----------|---|---|------------|---|--------|----|

| Control Measures already in Place | PPE Required |
|--|---|
| 1. Only green labelled tools can be used without prior authorisation of service manager | Safety helmets <input checked="" type="checkbox"/> |
| 2. User to obtain daily exposure data from service manager for all orange & red labelled tools. Tools use must not exceed the daily exposure time. | Hi-Vis Jackets <input checked="" type="checkbox"/> |
| 3. Check that the PAT test has been carried out and is within date. | Safety footwear <input checked="" type="checkbox"/> |
| 4. All tools to be inspected before use to ensure they are in a good state of repair and free from damage | Eye protection <input checked="" type="checkbox"/> |
| 5. Where possible only battery-operated tools should be used on site. | Dust masks <input checked="" type="checkbox"/> |
| 6. Care should be taken on site to ensure the supply voltage must be within the operating range as marked on the tool-plate. | Ear plugs <input checked="" type="checkbox"/> |
| 7. 0 voltage tools with power supplied through an isolating center tapped to earth should be used. | Earmuffs <input checked="" type="checkbox"/> |
| 8. Tool to be RCD/RCB Protected | Gloves <input checked="" type="checkbox"/> |
| 9. Keep leads tidy and out of the way of personnel routes. If possible, secure leads with cable ties or tape. | Protective overalls <input checked="" type="checkbox"/> |
| 10. Tools should be either earthed or double-insulated. | Gauntlets <input type="checkbox"/> |
| 11. Temporary electrical repairs should not be allowed. | Harnesses <input type="checkbox"/> |
| 12. A system of regular planned maintenance and inspection by a competent person should be in place and a record kept of all maintenance. | Breathing apparatus <input checked="" type="checkbox"/> |
| 13. All workers must wear appropriate personal protective equipment (PPE) including gloves, ear protection or dust masks as required | Face masks <input checked="" type="checkbox"/> |
| 14. All damaged tools must be passed to the service manager for repair or disposal | |
| 15. If aches & pains occur whilst using a hand tool this must be reported to the service manager | |

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|---------------------|----------|---|---|------------|---|--------|---|
| Assessment of Risk: | Severity | 3 | X | Likelihood | 2 | = Risk | 9 |
|---------------------|----------|---|---|------------|---|--------|---|

| Additional Controls required | PPE/Equipment |
|--|--|
| Users of hand tools must be aware of the daily exposure limit of the tool they are using | All personnel MUST wear the appropriate level of PPE for the |

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| | activity they are involved with or area they are in |
| ABI Employees must follow the site rules in respect of the use of hand tools. | |
| The employee must be adequately trained and competent to operate the handheld tools or equipment they are to use. | |
| Newly trained staff should be supervised until a suitable level of competency has been achieved. | |

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| Assessment of Risk: | Severity | 3 | X | Likelihood | 2 | = Risk | 6 |
|---------------------|----------|---|---|------------|---|--------|---|

| Approval and Review | | |
|---------------------|---------------|------------|
| Prepared by: | Cathy Sheehan | 15/01/2014 |
| Updated by | Ash Soliman | 07/08/2024 |
| Review by: | Ash Soliman | 07/08/2024 |

| RISK RATING = L x S | | | Hazard Severity (S) | | | | |
|------------------------|---|---------------|---------------------|--------|--------|--------|--------|
| | | | 1 | 2 | 3 | 4 | 5 |
| 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. |

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| Prepared by | Cathy Sheehan |
| Reviewed by | Ash Soliman |
| Next review Date | August 2026 |