

## Risk Assessment for PAT Testing

### 1. Scope of Work

Performing Portable Appliance Testing (PAT) to ensure electrical appliances are safe for use and comply with relevant safety regulations.

### 2. Potential Hazards and Risks

| Hazard                            | Potential Risk                                                  | Risk Level (Low/Medium/High) | Control Measures                                                                                  |
|-----------------------------------|-----------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Electrical Shock</b>           | Injury or fatality from electric shock                          | High                         | Use of insulated tools, proper PPE, trained personnel, regular equipment inspection               |
| <b>Fire Hazard</b>                | Electrical fire due to faulty appliances                        | Medium                       | Regular maintenance, use of fire extinguishers, immediate reporting and isolation of faulty items |
| <b>Trip Hazards</b>               | Injury from tripping over cables or equipment                   | Medium                       | Use cable management systems, keep work area tidy, clear signage                                  |
| <b>Manual Handling</b>            | Strain or injury from lifting heavy equipment                   | Medium                       | Use proper lifting techniques, provide training, use lifting aids                                 |
| <b>Exposure to Dust and Fumes</b> | Respiratory issues from dust or fumes in factories or workshops | Low                          | Use masks, ensure proper ventilation, minimize exposure time                                      |
| <b>Noise</b>                      | Hearing damage in noisy environments                            | Low                          | Use of ear protection, limit exposure time, perform testing during quieter periods                |
| <b>Slips, Trips, and Falls</b>    | Injury from wet or uneven surfaces                              | Medium                       | Ensure work area is dry and clear, use appropriate footwear, mark hazardous areas                 |

| Hazard                              | Potential Risk                                       | Risk Level<br>(Low/Medium/High) | Control Measures                                                                  |
|-------------------------------------|------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------|
| Interruption to Business Operations | Disruption of normal work activities                 | Medium                          | Plan testing during non-peak hours, communicate schedule with client, use signage |
| Equipment Malfunction               | Risk of injury from malfunctioning testing equipment | Low                             | Regular calibration and maintenance of PAT equipment, use of certified devices    |

### 3. Control Measures

#### 1. Training and Competence:

- Ensure all personnel are trained and competent in PAT procedures.
- Regular refresher training.

#### 2. Personal Protective Equipment (PPE):

- Provide and ensure the use of appropriate PPE such as insulated gloves, safety shoes, and masks.

#### 3. Safe Working Environment:

- Keep the testing area clean and tidy.
- Use barriers and signage to warn others of testing in progress.
- Ensure good lighting in the work area.

#### 4. Equipment Checks:

- Regularly inspect and maintain PAT equipment.
- Use only certified and calibrated testing devices.

#### 5. Emergency Procedures:

- Ensure clear access to emergency exits.
- Provide fire extinguishers and first aid kits on-site.
- Train staff in emergency response procedures.

#### 6. Communication:

- Clearly communicate the testing schedule and process to all relevant personnel.
- Use clear signage to indicate testing in progress.

## 4. Responsibilities

- **Assessor:**
  - Conduct the risk assessment.
  - Ensure control measures are in place and effective.
  - Review and update the risk assessment as necessary.
- **Client:**
  - Provide access to all areas and appliances requiring testing.
  - Ensure site safety measures are in place and adhered to by all staff.
- **PAT Technicians:**
  - Follow all safety protocols and control measures.
  - Report any hazards or incidents immediately.

## 5. Review and Monitoring

- Regularly review the risk assessment and control measures, especially after any incidents or changes in the work environment.
- Conduct periodic audits to ensure compliance with safety procedures.