**Supported by point of activity dynamic risk assessments, RA1, RA2, RA3 and specific risk assessments RA4 (lift)**

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| | **Ref:** OHS 6.1.2-01 LC-04 | |
| **1** | **Location/ Site Details:**<br>Various | |
| **2** | **Activity:**<br>Generic Activity - Inspection of Mobile Plant and Equipment | |
| **3** | **Persons At Risk (who might be harmed):**<br>Engineer Surveyors, Special Service Engineers, Specialist Engineers, Senior Operations Team Leaders, trainee Engineer Surveyors, contracted staff and others not employed by AEIS (i.e. client's staff, members of the public).<br><br>**Responsible Manager(s):**<br>All Technical Operations Managers, Chief Engineer, Principal Engineers, Specialist Engineers, Special Services Manager and HSQ Manager. | |
| **4** | **Hazard(s) (Potential to cause harm)**<br><br>**Workplace Transport and Mobile Plant**<br>• Vehicle, traffic and plant movements.<br>• Interaction with mobile plant during inspection activities.<br>**Slips, Trips, Falls and Work at Height**<br>• Slips, trips and falls.<br>• Fall from height.<br>• Uneven ground conditions.<br>• Excavations.<br>• Subsidence and unstable surfaces.<br>**Manual Handling and Ergonomic Hazards**<br>• Cutting, crushing, straining and impacting injuries arising from handling lifting tackle and inspection equipment.<br>**Mechanical and Electrical Hazards**<br>• Mechanical hazards from plant and equipment.<br>• Electrical hazards associated with inspected equipment.<br>• Stored energy and unexpected movement of machinery.<br>**Environmental Conditions**<br>• Exposure to heat, cold, wind, rain and sunlight. | **Control Measures**<br><br>**Elimination**<br>• Do not commence the inspection where adequate controls cannot be implemented.<br>• Raise concerns with the responsible person on site and, where necessary, leave the site and issue a suitably worded Plant Not Available notification.<br>• Ensure examination areas are adequately cleaned and prepared before inspection commences.<br>**Substitution**<br>• Where manual handling presents unacceptable risk, use suitable mechanical lifting equipment rather than manual handling techniques where practicable.<br>**Engineering Controls**<br>• Use lifting equipment for heavy or awkward items.<br>• Establish exclusion zones and cordons where required.<br>• Ensure suitable barriers, segregation or control of the inspection area.<br>• Ensure adequate lighting before commencing inspection. |

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| | • Poor lighting conditions.<br>**Site Activity and Third-Party Hazards**<br>• Hazards arising from other activities taking place on site.<br>• Inadequate or inappropriate client preparation of the work area.<br>**Inspection-Specific Hazards**<br>• Hazards directly associated with undertaking the inspection activity.<br>• Restricted access, positioning or visibility issues during examination.<br>**Noise Exposure**<br>• Exposure to elevated noise levels from operating plant and equipment.<br>**Violence, Aggression and Personal Safety**<br>• Assaults, threats or aggressive behaviour from visitors, contractors, employees or members of the public.<br>**Working Alone**<br>• Working alone in remote or isolated locations.<br>• Delayed assistance following an accident, injury or medical emergency.<br>• Inability to summon help due to poor communication coverage.<br>• Increased risk when inspecting unfamiliar environments.<br>• Exposure to violence, aggression or confrontation whilst working alone.<br>• Becoming trapped, incapacitated or stranded whilst undertaking inspection activities.<br>• Fatigue, stress or reduced situational awareness resulting from prolonged lone working. | • Utilise appropriate access equipment when working at height.<br>• Ensure a competent trained plant operator is provided by the client when plant operation is necessary to facilitate inspection.<br>• Maintain physical segregation between pedestrians and moving plant wherever practicable.<br>• Use designated walkways and crossing points.<br>**Administrative Controls**<br>**- Competence and Training**<br>• Training and authorisation in accordance with SAFed SS01 – Recruitment, Training and Competency of Engineer Surveyors.<br>• Successful completion of the SAFed Health & Safety Passport.<br>• Periodic fit-for-work medical assessments and health surveillance.<br>**- Risk Assessment and Planning**<br>• Undertake a dynamic risk assessment on arrival and throughout the inspection in accordance with RA1.<br>• Review and apply RA2 and RA3 where required.<br>• Apply the Manual Handling Risk Assessment where relevant.<br>• Apply Working at Height Risk Assessment OHS 6.1.2-01 G-01 where required.<br>• Continuously review dynamic risk assessments throughout the activity.<br>**- Communication and Site Coordination**<br>• Consult with the client regarding site-specific hazards before commencing work. |

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| | | • Report to the responsible person when entering and leaving site.<br>• Complete site inductions and review emergency arrangements.<br>• Observe and comply with client-specific safety requirements.<br>• Maintain awareness of surrounding site activities and changing conditions.<br>• Avoid positioning within plant blind spots.<br>• Maintain eye contact or agreed communication methods with operators before approaching plant.<br>**- Safe Systems of Work**<br>• Apply relevant AEIS procedures, guidance and safe working practices.<br>• Take account of plant movements and other ongoing activities during inspection activities.<br>• Comply with site traffic management arrangements.<br>• Do not operate client plant unless authorised, competent and confident to do so.<br>• Verify equipment has been isolated before inspection where required.<br>• Confirm hydraulic, pneumatic, electrical and stored energy sources have been rendered safe.<br>• Follow site lock-off/tag-off procedures where applicable.<br>**- Lone Working Arrangements**<br>• Comply with the AEIS Lone Working Procedure and associated guidance.<br>• Inform the appropriate contact of planned locations, expected arrival times and anticipated completion times. |

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| | | • Maintain regular communication with appropriate site contacts throughout the working day.<br>• Ensure a charged mobile phone or other suitable communication device is available before travelling to site.<br>• Assess communication coverage during the dynamic risk assessment and implement alternative arrangements where coverage is poor.<br>• Do not undertake high-risk activities alone where emergency assistance may be required.<br>• Report any concerns relating to personal safety, site conditions or lone working arrangements before commencing the inspection.<br>• Terminate the inspection and leave the site if personal safety cannot be adequately assured.<br>• Escalate missed contact arrangements in accordance with the Lone Working Procedure.<br>**Emergency Preparedness**<br>• Ensure emergency contact details are readily available.<br>• Be familiar with site emergency arrangements and access/egress routes.<br>• Ensure first aid and emergency response arrangements are understood before commencing inspection activities.<br>**Personal Protective Equipment (PPE)**<br>• Wear PPE and protective clothing appropriate to:<br>    ○ The inspection activity.<br>    ○ Site-specific requirements.<br>    ○ Environmental conditions.<br>    ○ Mechanical, electrical and noise hazards identified |

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| | | during the risk assessment. |
| 5 | **Potential Outcome:**<br>5: Fatality or life changing injury | **Probability/Severity:**<br>AEIS Employees: 3 moderate x 5 very high<br>Others: 2 unlikely x 5 very high |
| 6 | **Risk to others:**<br>10: Medium | **Risk to AEIS employees:**<br>15: High |
| 7 | **Re assessment after application of control measures** | |
| 8 | **Potential Outcome:**<br>5: Fatality or life changing injury | **Probability/Severity:**<br>AEIS Employees: 2 unlikely x 5 very high<br>Others: 1 rare x 5 very high |
| 9 | **Residual Risk to others:**<br>5: Medium | **Residual risk to AEIS employees:**<br>10: Medium |
| 10 | **Other useful information to be considered:**<br>General guidance on mobile work equipment can be found on the HSE web site: https://www.hse.gov.uk/work-equipment-machinery/mobile.htm | |
| 11 | **Conclusion/ Recommendations:**<br>The risks associated with lone working are **reduced to a low, tolerable level**, provided that:<br>• Controls are applied in accordance with the **hierarchy of controls**, and<br>• Point-of-activity dynamic risk assessment is undertaken before and during the activity, and<br>• Lone working is only undertaken where the task, environment, access arrangements and emergency response provisions remain suitable and sufficient.<br>The activity is considered **acceptable so far as is reasonably practicable** with the stated controls in place. | |
| 12 | **Reviews and further actions:**<br>Review at a maximum period of **12 months** or sooner if:<br>• Changes occur in equipment, environment or working practices<br>• Incident, near miss, or health concerns are identified<br>New information indicates the assessment is no longer suitable or sufficient. | |

**Risk matrix to be applied to all tasks**

| Probability | | | | | |
|---|---|---|---|---|---|
| 5 (Almost certain) | 5 | 10 | 15 | 20 | 25 |
| 4 (Likely) | 4 | 8 | 12 | 16 | 20 |
| 3 (Moderate) | 3 | 6 | 9 | 12 | 15 |
| 2 (Unlikely) | 2 | 4 | 6 | 8 | 10 |
| 1 (Rare) | 1 | 2 | 3 | 4 | 5 |
| **Severity** | 1 (Very low) | 2 (Low) | 3 (Medium) | 4 (High) | 5 (Very high) |

Probability of the event occurring:

1. Rare: Less than once every 10 years
2. Unlikely: Once every 5 to 10 years
3. Moderate: Every 1 to 5 years
4. Likely: Every 6 to 12 months
5. Almost certain: Every 1 to 6 months

Severity of the event:

1. Very low: Very minor injury
2. Low: Minor injury requiring first aid
3. Medium: Lost time injury
4. High: RIDDOR reportable injury
5. Very high: Fatality or life changing injury

Ranking:

Green (1- 4): Low risk
Yellow (5 – 12): Medium risk
Red (15 – 25): High risk

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