

Activity	Risk	Consequence	Persons affected	Pre-control risk estimate			Risk mitigation measures	Post-control risk estimate			Person responsible
				Severity	Likelihood	Risk		Severity	Likelihood	Risk	
Site Access & Egress	Slips, trips & falls	Personal injury by falling. Sprains & broken bones.	Site operatives	3	4	12	Ensure access to site is kept clear of plant & materials, waste to be disposed of and work area to be kept clear of trailing leads and cables.	3	2	6	Site operatives and supervisors
Use of extension leads.	Trips and falls	Personal injury by falling. Sprains & broken bones.	Site operatives	3	4	12	Extension leads to be placed away from walkways. Use of hazard tape or tie up off floor. Toolbox talks.	3	1	3	Site operatives
Manual Handling	Risk of harm through handling items which are too large / too heavy.	Falls, sprains, broken bones	Site operatives	3	4	12	Installation team to read & sign off this risk assessment & related Method Statements prior to starting work on Site. Daily Site briefing to discuss the sequence and works to be undertaken during the day. Where necessary assistance to be requested in advance. Operatives must complete a Manual Handling Risk Assessment for all tasks.	3	1	3	Site operatives

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Personal Protection	Risk of harm though working without appropriate PPE whilst carrying out required tasks	Cuts, bruise and injury to body.	Site operatives	3	3	9	<p>Site operatives should be issued a minimum PPE requirement of Safety Footwear, Hard Hat, Hi- Vis, Safety Glasses, Safety Gloves, Ear defenders and dust mask.</p> <p>All tools &amp; equipment should be used correctly and as intended.</p> <p>All operatives must be familiar with correct use &amp; application of PPE in relation to the tasks required to successfully complete on-site activities. All operatives should complete required on Site induction &amp; apply necessary PPE controls.</p>	3	1	3	Site operatives Site Supervisors

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Working at Height:	Risk of harm through falls from height during works	Falls, sprains, broken bones	Site operatives	3	2	6	<p>Site Supervisor to decide on correct type of access equipment needed for the specific task. Surrounding area to be deemed clear, level and safe to work in. Before use the operative shall check that the equipment has been signed off and is safe to use. Revised Toolbox talks will take place as required to advise staff of any changes or potential hazards. Only PASMA trained operatives will be allowed to build &amp; Sign off Access equipment. Weekly inspection sheets and training cards will be kept on file.</p> <p>All equipment should be used correctly and for its intended purpose. Any damaged equipment should be reported to the Site Supervisor and removed from Site immediately.</p>	3	1	3	Site operatives Site Supervisors
Use of MEWP	Risk of harm through falls from height during works	Falls, sprains, broken bones	Site operatives	5	3	15	<p>Site Supervisor to decide on correct type of access equipment needed for the specific task. Surrounding area to be deemed clear, level and safe to work in. Before use the operative shall check that the equipment has been signed off and is safe to use. Revised Toolbox talks will take place as required to advise staff of any changes or potential hazards. Harness must be worn in all BOOM type MEWPs and MEWP are to be used in accordance with the manufacturer's guidance. Only IPAF trained operatives will be allowed to operate MEWPs. Daily inspection sheets and training cards will be kept on file.</p>	5	1	5	Site operatives

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Inspection & Testing	Falling from Heights, Injury from Hand tools	Broken bones, bruises, cuts and abrasions caused by falling from height or misuse of hand tools	Site operatives	5	3	15	All Operatives carrying out Inspection & Testing will be suitably qualified and certified. Danger notices stating Testing in progress will be posted at all work stations where Inspection and Testing is being carried out. Access to Switch rooms / Plant Rooms will be by access permits only. Access towers to be constructed by PASMA or equivalent certified operative. Care must be taken to avoid over stretching/Reaching when working on scaffold towers. Step ladders will only be used as a last resort and in switch rooms, a permit is required for their use. At no time, will the working platform be moved while operatives or materials are working on it. Tool box talks	5	1	5	Test Operatives, Site operatives and Supervisors
Inspection and Testing	Electrocution & burns.	Persons injured or death by contact with electricity.	Test Team Operatives Other Site Personnel	5	3	15	All Operatives carrying out Inspection & Testing will be competent persons and be trained to City & Guilds 2391 or equivalent. Danger notices stating Live work in progress will be posted at all work stations where Inspection and Testing is being carried out to live equipment. Access to Switch rooms / Plant Rooms will be by access permits only. Permit system and safe system of work Tool box talks	5	1	5	Test Team Operatives Supervisors Other Site Personnel

Risk Quantification (Likelihood X Severity)		Building loss, catastrophic environmental	Major injury, damage or environmental impact	RIDDOR – not life changing	Minor injury, damage or environmental impact	Insignificant
		SEVERITY				
LIKELIHOOD		5	4	3	2	1
Almost certain	5	25	20	15	10	5
A high likelihood	4	20	16	12	8	4
A small likelihood	3	15	12	9	6	3
Low likelihood	2	10	8	6	4	2
Not likely	1	5	4	3	2	1

### Notes:

- Low Residual Risk** = Risk is **TOLERABLE**. No further preventative action required, consider cost effective solutions or improvements that
- Medium Residual Risk** = Work may only start if the risk has been reduced to As Low as Reasonably Practicable (**ALARP**). Consider additional control measures that reduce the risk without significantly increasing cost.
- High Residual Risk** = Risk is **INTOLERABLE**. Do not start work or continue until risk level is reduced using suitable control measure is to a practicable level.
- Control measures are to ensure that residual risks are reduced to as low as reasonably practicable. Where controls fail to reduce to a TOLERABLE or ALARP level the assessment must be referred to your Line Manager.
- If the operations are likely to affect the public or the safe operation of a public transport system, the control measures must reduce the risk before likelihood of significant risk before work is commenced.