

PAT ROPE ACCESS SERVICES- RISK ASSESSMENT WORKSHEET

Job No: GENERIC	Location: GENERIC	Page 1 of 3
Client: GENERIC	Job: Electrical & Instrumental	
Persons Compiling Risk Assessment: P.BURGESS		
Persons Reviewing/Updating Risk Assessment: P.CONLAN		

Refer to Risk Assessment Matrix and Risk Assessment Checklist Forms and to Risk Assessment Procedure	Hazard Consequence					
	Chance of Occurrence	Trivial	Minor	Major	Serious	Fatal
	Remote	LOW	LOW	LOW	LOW	MEDIUM
	Unlikely	LOW	LOW	MEDIUM	MEDIUM	HIGH
	Possible	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	Probable	LOW	MEDIUM	HIGH	HIGH	HIGH
Near Certain	MEDIUM	HIGH	HIGH	HIGH	HIGH	

RISK	DANGER
LOW	Acceptable - Task may proceed
MEDIUM	Tolerable - Task may proceed if all controls are in place & supervision is adequate
HIGH	Unacceptable - Task may not proceed until the risk is reduced

JOB STEPS	HAZARD		INITIAL RISK			CONTROLS	RESIDUAL RISK		
	Hazard Description and Effect	People, Property or Environment at Risk	Hazard Consequence	Chance of Occurrence	Risk Rating	List All Controls Required	Controlled Hazard Consequence	Controlled Chance of Occurrence	Residual Risk Rating
Arrive on site, Gaining access, transportation of equipment to worksite.	Slips, trips, falls [Unusual surroundings.]	Workforce & Client Property	Major	Possible	Medium	Take extreme caution during transit of client facilities Permit issued Use of correct equipment and PPE Keep tools and materials tidy Provision of first aid cover/facilities	Minor	Possible	Medium
Use & handling of electrical equipment	Potential for Spark /electric shock due to equipment being dropped or otherwise damaged in use	Operator and site personnel	Serious	Possible	High	Trained personnel, holding relevant qualifications to check equipment prior to use. Protect from water and other physical damage. [RCD protection in supply & 110V only, where applicable] Equipment to be placed on suitable surface, or on deck. All electrical hand tools / equipment to have valid P.A.T test sticker.	Serious	Remote	Low
Rigging of equipment	Selection of belay/anchor points	Workforce	Fatal	Probable	High	All belay points and anchor points to comply with PAT Safe Working Procedures. Signs & barriers to erect as necessary.	Trivial	Unlikely	Low
Cable Termination & splicing work etc.	Electric shock & or fire by shorting / arcing.	Workforce	Fatal	Possible	High	Ensure tools are compatible for electrical work i.e. insulated and in good condition Ensure working drawing /cable schedules are latest revision for work scope. Ensure lock out / Tag outs are in place. Confirm isolation at work area with a multi meter BEFORE work proceeds.	Fatal	Remote	Medium
Testing – Continuity, Megger, Burn in, Loop checks, Functionality etc.	Electric shock & or fire at remote or restricted access site	Workforce	Fatal	Possible	High	Ensure testing procedures are strictly adhered to, testing equipment is appropriate, calibrated and in good condition. All of team to be aware of first aid actions, emergency contact numbers and emergency equipment. Testing from Main board to be carried out by platform /asset Elect Tech with PAT tech witnessing. Platform Electrical isolation procedure to always be followed.	Fatal	Remote	Medium

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All work steps	Delay in treatment of injured.	Workforce	Fatal	Possible	High	Ensure all team members know of isolation points, emergency equipment (Pull off poles, stretchers etc) and procedures. All of team to be aware of first aid actions, emergency contact numbers and emergency equipment.	Serious	Remote	Low
On Completion of job	Electric shock from arcing of lose cables or connections or Misplaced equipment.	Workforce & site personnel	Fatal	Probable	High	Team Leader to ensure worksite is thoroughly inspected and to ensure that all connections are secure and insulation is adequate prior to testing and power up.	Fatal	Remote	Medium
Use of non-EX rated electrical equipment in zoned areas	Potential for ignition source	Operators & site personnel	Fatal	Possible	High	Operate under spark potential hot work permit – comply with gas monitoring and supply isolation requirements. All electrical hand tools/equipment to have valid P.A.T test sticker.	Fatal	Remote	Medium
Running of Cables	Working with client personnel	Workforce & site personnel	Serious	Possible	High	Ensure all personnel are fully briefed regarding task requirement. Toolbox talks to cascade information to team. Transits to be opened by electrical personnel only.	Trivial	Unlikely	Low
Running of Cables	Working above 3 rd parties	Workforce & site personnel	Fatal	Probable	High	Barrier off ground area, erect signs to warn 3 rd parties, liase with other contractors (if any) working near by.	Minor	Possible	Medium
Running of Cables	Material handling	Workforce	Major	Probable	High	Ensure good working practice to control long lengths of cable.	Minor	Possible	Medium
Running of Cables	Heat, hot pipes	Workforce & Equipment	Serious	Probable	High	Confirm with client routing of cables, confirm route for heat hazards and avoid.	Minor	Possible	Medium
Running of Cables	Dust	Workforce	Major	Possible	Medium	Confirm any dust concentration, seek advice/additional PPE if dust encountered.	Minor	Possible	Medium
Running of Cables	Falling / dropped objects	Workforce & site personnel	Serious	Possible	High	See control for working above 3 rd parties. Lanyards to be fitted to tools.	Minor	Possible	Medium

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Project Management	Injury, damage or release due to lack of control	Workforce and site personnel	Serious	Possible	High	Become familiar with company procedures for Rope Access operations Review generic risk assessment Pre-job site survey Project Specific risk assessment Adequate Assessment to tasks Consideration of work methods and equipment and safer/more appropriate alternatives Consideration of contractual relationships and interfaces between organisations involved.	Major	Unlikely	Medium
						The on-site Team Leader is to assess the worksite for any additional hazards. Any further identified hazards are to be assessed and added to this risk assessment. All work should also adhere to the practices contained in the IEE handbook.			

ROPE ACCESS SERVICES