

	Risk Assessment Electrical Testing and Commissioning			Page 1 of 3
	Department QHSE	Document Ref. No. HSE-DOC-RA-00	Issue Date	Revision 00

Company Name	XYZ	Prepared by	
Functional Area	Electrical Testing and Commissioning	Approved by	

SR	Hazard	Who Might be at Risk?	Initial Risk			Priority	Control Measures	Residual Risk			Priority	Action by
			L	C	RR			L	C	RR		
1.	Fire Contact with live conductors Short circuit flash	Electrical Testing and Commissioning Operatives and others – injury by electric shock with resulting burns and possible fatalities	5	4	12	HIGH	Without exception, all circuits to be worked on will be treated as live until verified dead. Permit to work system to be implemented where necessary. Ongoing liaison with other contractors and the client must take place to ensure that all parties are aware of the work to be undertaken. Before any work commencing a check must be made to establish that all switch rooms/control rooms have been cleared of loose materials and that all temporary installations have been removed. Covers and doors of all equipment to be closed and guards refitted to machinery. The testing and commissioning of high voltage electrical equipment is a highly specialized activity and every installation is to be tested by a qualified and trained engineer to current standards.	3	2	6	Moderate	Management to check on all controls on an ongoing basis throughout the undertaking.

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OSH Risk Matrix

Probability	Consequence				
	Insignificant (1)	Minor (2)	Moderate (3)	Major (4)	Catastrophic (5)
Rare (1)	1	2	3	4	5
Possible (2)	2	4	6	8	10
Likely (3)	3	6	9	12	15
Often (4)	4	8	12	16	20
Frequent/Almost Certain (5)	5	10	15	20	25
15 - 25	Extreme Risk	Activity or Industry Should Not Proceed in Current Form			
8 - 12	High Risk	Activity or Industry should be modified to include remedial planning and action and be subject to a detailed OSH Assessment			
4 - 6	Moderate Risk	Activity or industry can operate subject to management & Modification			
1 - 3	Low Risk	No Action Required Unless Escalation of Risk is Possible			

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