



Risk Assessment Record

Area: Power Distro Dimming Management
Location: Generic assessment
Reference: General Power
Assessment completed by: Steve Roskilly
Date: last update 2nd February 2008

Activities:

This assessment covers connection of mains supplies to venue power supply points, generators etc. Provision of dimmers and power distribution to dimmers and "hot power" to lighting fixtures. Refer to RA general cable management for hazards relating to use of cables.

Severity	Likelihood	Risk Class
Equipment Damage	Impossible	High
No Injury	Remote	Moderate
Trivial injury	Possible	Minor
Minor injury	Probably	Acceptable
Major injury	Likely	
Fatal injury		

Hazards

Item	Hazard	Severity	Likelihood	Risk Class
1	Connecting to generator terminals or busbar chambers	Fatal injury	Possible	Minor
2	Use of 15A connectors in external locations especially during inclement weather.	Fatal injury	Remote	Minor
3	Connecting to venue power supplies or power supplies made available by 3 rd parties – possible wiring errors etc.	Equipment damage	Possible	Moderate
4	Camlock connectors unterminated so exposing live accessible pins	Major injury	Possible	Minor
5	Earth faults	Fatal injury	Possible	Moderate
6	Overload protection	Equipment	Possible	Moderate

		Damage		
7	Equipment faults	Fatal injury	Possible	Minor

Persons at Risk:

Employees: Yes
Contractors: Yes
Public: Possible

Current Controls / Procedures

Item	Control/ Procedures	Monitored & Assessed by:	Adequate control
1	Connections only to be made by experienced and competent persons. Always check for live terminals with meter before starting work. Do not trust local isolators	Competent person	Yes
2	No connection to be made without first checking supply with meter. Do not trust local supplies, indicators or persons. Pay special attention to phase reversals.	Competent person	Yes
3	Use of camlock to be avoided wherever possible. Camlock female connectors must be terminated prior to the supply being turned on. Any exposed terminals on equipment to be taped over.	Competent person Competent person	Yes
4	Use of 15A connectors to be avoided externally in favour of 16A Ceeform connectors. Where no other option is available, the joint should be encased in either an IP-rated shroud or at worst a temporary waterproof container. The apparatus should be beyond public reach.		Yes
5	All equipment to be protected by 30ma instantaneous device. By preference such a device on all final circuits with high rated and time delayed RCDs further upstream to reduce the impact of nuisance trips.	Competent person	Yes
6	Use of MCB/MCCBs on all outlets should be performed.	Competent person	Yes
7	All equipment to be tested and accordance with the Portable Appliance Testing (PAT) testing.	Operations manager/ warehouse manager	Yes

Additional Action Plan Required?

(Yes/No?)

No

Action required: