

Risk Assessment - Electrical Safety: Safe use of Electricity in Studios

The people that might be harmed: Studioworks employees, contractors, public, artists

HAZARD	CONTROL
<p>Failure to maintain / manage electrical safety in a studio; resulting in system failure and / or defect, leading to injury.</p>	<ul style="list-style-type: none"> • This risk assessment should be read in conjunction with the following BBC Studioworks documents: • Arrangement Electrical Safety in Studios • Risk Assessment Scenery Electrical Safety • All personnel responsible for electrical safety within a studio should ensure reference is made to the above documents.
<p>Fire</p> <p>'Live' Electrical Parts Exposed</p> <p>Risk of electric shock injuries through faulty or poorly maintained equipment, inappropriate electrical supply and inappropriate use of equipment.</p>	<ul style="list-style-type: none"> • The mains electrical supply in Studios is either 240 volts or 415 volts (three-phase). • Regular maintenance and inspection is carried out in line with legislation and guidance. • Maintenance and testing is carried out by the landlord and appropriate confirmation is sort. • The installation is adequately earthed. • Anyone using electrical equipment in the studio is competent to do so and holds the relevant training/ qualifications for the activity. • No live working is to be undertaken on electrical systems. • Power must be isolated before works are carried out on electrical systems. • Equipment is selected specifically for its intended purpose, and an

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	<p>adequate maintenance schedule put in place.</p> <ul style="list-style-type: none"> • All portable equipment is maintained and tested in line with recommended schedule. • A visual inspection is undertaken before all equipment is used. Any equipment that does not pass this test is immediately removed from service. • RCDs must be used where appropriate - Where domestic 240v supply is provided, equipment should always be run through RCDs • All blue plugs are run through a circuit breakers • Weekly studio inspections are carried out to check condition of plugs, cabling etc. • All set items that have been constructed with electrical circuits and / or practical's installed must be to the latest electrical standard. Each separate set item with electrical equipment should have a plug provided and using the correct wiring arrangements. • The use of twisted bare conductors that have been taped together are not permitted within the studio. All terminations must be carried out using correct termination blocks and equipment. • All electrical equipment brought into the studio should be fit for purpose and have adequate maintenance and inspection regimes in place.
Fire	<ul style="list-style-type: none"> • Productions provide suitable information in advance as to expected electrical hazards on their production • Production should ensure that they enlist the services of a competent

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<p>'Live' Electrical Parts Exposed</p> <p>Risk of electric shock injuries through faulty or poorly maintained equipment, inappropriate electrical supply and inappropriate use of equipment.</p>	<p>person who will be identified as the designated responsible person for the electrical system.</p> <ul style="list-style-type: none"> • If the competent person leaves the studio, he / she should identify a deputy in his place, of whom must have access to the competent person at all times. • Productions and contractors to ensure that all portable electrical equipment is tested where appropriate and maintained in a safe condition.