

ENGINEERING ACTIVITIES RISK ASSESSMENT

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

HAZARD	CONTROLS
<p>Chemical Substances: Mainly use of solvents for cleaning purposes. Exposure may lead to skin, eye or respiratory problems.</p>	<ul style="list-style-type: none"> • Safety data sheets are obtained from the supplier and the recommended precautions followed. • Staff using hazardous substances are aware of the precautions to take • All hazardous substances used are stored in a suitable cupboard when not in use • Appropriate PPE is provided and used as necessary
<p>Electricity: Possible exposure to electric shock, burns from working on electrical equipment.</p>	<ul style="list-style-type: none"> • Only competent people are allowed to carry out work on electrical equipment • Work does not take place where there is a risk of contact with live parts • All electrical equipment is well maintained
<p>Fire: Injury or death may result if unable to extinguish or escape from a fire in the tech and server areas.</p>	<ul style="list-style-type: none"> • Central server and comms areas have a fire alarm, fire detection, a fire suppression system and sprinklers installed. • Adequate numbers of fire wardens are trained & appointed and their identities are made known to all. • Everyone is made aware of the fire evacuation procedures • Fire doors are maintained and kept closed at all times • Fire lanes are kept clear at all times • Fire signage is clear and visible • Regular fire drills take place

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<p>Gas: the central apparatus room has a gas based fire suppression system. If the system is activated, hazards could include noise, flying debris and shortness of breath</p>	<ul style="list-style-type: none"> • Everyone required to work in the areas must attend a safety induction where they learn how to deal with the system before they are allowed access. Any visitors are always accompanied by a trained staff member. • Apps room fitted with warning alarm, beacon and 60 sec delay before system is activated and gas is released.
<p>Manual Handling: Lifting and carrying of electronic equipment. Musculoskeletal injuries resulting from poor handling techniques.</p>	<ul style="list-style-type: none"> • Manual handling is kept to a minimum and assistance is sought to where necessary • Staff who are involved in manual handling activities receive appropriate training • Use of trolleys & manual handling aids used where appropriate
<p>Tools & Equipment: Engineers use screw drivers, pliers and other hand tools as well as measuring equipment. Risk of minor cuts and nips</p>	<ul style="list-style-type: none"> • Tools are fit for purpose for the task they are used for (for example – insulated for electrical use) and kept in good condition. • Equipment is tested and calibrated as required. • Staff know how to use tools and equipment safely
<p>Soldering: Only carried out in the technical workshop. Risk of skin, eye irritation, asthma.</p>	<ul style="list-style-type: none"> • Soldering is carried out rarely. • Only competent people carry out soldering. • Soldering is only allowed to take place in controlled conditions with hot work procedures/permit, & adequate local exhaust ventilation. • Washing facilities are provided and good hygiene procedures followed.