

Risk Assessment – Grid Working

Notes:

1. The people that might be harmed: BBC Studioworks employees, contractors, public, artists
2. This risk assessment should be used in conjunction with the following BBC Studioworks documents:
 Arrangement Grid Standing Instruction BBC Television Centre
 Arrangement Grid Standing Instruction BBC Studioworks - Kelvin Hall

HAZARD	CONTROLS
Unauthorised access to the grid	<ul style="list-style-type: none"> • A secured gate prevents people from entering the grid • Only Studioworks approved authorisers can provide access to grid and will only approve access for people who have been grid inducted
Incompetent persons working on the grid	<ul style="list-style-type: none"> • Each contractor working on the grid must submit a risk assessment with detail of the work they intend to carry out and only when the authoriser is satisfied the proposed activity in the grid is going to be performed safely will they permit access • All persons working on the grid will have received an induction explaining the rules and procedures that have to be adhered to (see arrangements listed above)

HAZARD	CONTROLS
Falls from height - people	<ul style="list-style-type: none"> • Please see opening grid hatches below • Ensure workers can get safely to and from where they work at height using grid stairs • Hand rails, kick boards and enclosed areas • Ensure equipment is suitable, stable and strong enough for the job, maintained and checked regularly • The loading limits of the grids will be communicated to all persons
Falls from height - objects	<ul style="list-style-type: none"> • Before accessing the grid, each person involved must empty their pockets of all loose objects (i.e. coins, lighters and mobile phones) and place them in the stowage on the studio gantry or other secure area • Hand tools for grid working should only be taken into the grid when needed and should be tethered • Warning flashing lights are on in the studio when people are working in the grid. • An exclusion zone will be set out using cones and hazard tape • A floor marshal will be in place to monitor the exclusion zone
Lone working	<ul style="list-style-type: none"> • If lone working takes place on the studio grid, this will be highlighted when the request is being made • Adherence to the Lone Worker Policy is mandatory
Falls from height whilst lifting items onto the grid using an electric hoist	<ul style="list-style-type: none"> • Please see opening grid hatches below • Precise details should be provided in RAMs of contractors undertaking this work • Area below the load should be coordinated with other staff and contractors and studio floor-based users informed about lifting activities • A nominated person must police the studio floor for the duration of the overhead work, with a physical barrier to prevent people entering the area if required

File: Procedure: Grid Working

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HAZARD	CONTROLS
Suspension and rigging of loads	<ul style="list-style-type: none"> • All rigging operations are carried out by competent persons using correct standards and methods for rigging • All equipment used for rigging, including SpanSets (slings), motors, chain blocks, hoists, steels are regularly tested and inspected within LOLER requirements • All safe working loads are adhered to, with calculations and plans submitted to the studio management prior to work activities taking place
Specific flying operations	<ul style="list-style-type: none"> • Any specialist flying operations that take place within the studio, including top rigging and flying of persons and set will be carried out by professional and competent contractors, with specific risk assessments provided • Dynamic loads will be taken into consideration by the riggers and identified within their specific risk assessment
Provision and use of hoists	<ul style="list-style-type: none"> • The operation of scenic and lighting hoists within the studio are supervised and controlled by BBC Studioworks studio management • All hoists have SWL's identified and are rigged within their load capacity • During hoist operations, clear lines of sight are maintained at all times, with immediate areas below being clear prior to hoist movements • Each hoist and lighting bar has set trim / dead heights reducing the risk of collision with grid and/ or studio floor • Spotters will be provided where necessary
Failure of primary suspension equipment	<ul style="list-style-type: none"> • Lighting equipment rigged onto bars and hoists will have adequate secondary suspension arrangements in place in the event of failure of primary equipment

HAZARD	CONTROLS
Use of MEWPS	<ul style="list-style-type: none"> • The use of MEWPs is carried out by competent trained persons only, using correct harnesses if required • Weight restrictions on studio floors and access into studios will be considered when appointing and using any form of MEWP equipment • Adequate rescue plans are in place in the event of an operative becoming suspended at height in their harness • The rescue operation will release the operative from suspension within 5 mins
Opening grid hatches	<ul style="list-style-type: none"> • Working and opening of grid hatches is strictly restricted and can only be opened with the express permission of the Operations Team Manager or nominated deputy • Productions or their contractors must complete a specific RAMS with a detailed description of the work being undertaken and the control measures put in place • Where possible, grid hatches have barriers around them to prevent falling and if not, then arrangements must include the use of fall arrest / protection restraint harnesses • Area below grid working should be coordinated with other staff and contractors. Studio floor-based users must be informed about grid activities • A nominated person must police the studio floor for the duration of the overhead work, with a physical barrier to prevent people entering the area if required