
Overview

This standard is about costing and designing the layout for a potential recording studio control room and associated live area or a programming suite.

You will need to research and select a suitable space which has the potential to be converted into a recording studio control room or programming suite and any associated live performance areas.

You will need to research and carry out a detailed feasibility survey of the space including measurements and investigations into the supply of mains wiring and other requisite features. Acoustic treatment will be required as well as suitable racking units and furniture. You will need to cost all materials associated with the job.

Performance criteria

You must be able to:

- P1 investigate and select an existing space suitable for conversion to studio type
- P2 plan draft layout of new room designs and calculate room response
- P3 research structural materials required
- P4 create and develop accurate spreadsheets to track the cost of materials
- P5 estimate realistic installation costs
- P6 source specification sheets for materials and equipment
- P7 produce researched detailed drawings for designed space
- P8 reference resources to main drawings and plans
- P9 produce detailed sub-diagrams for walls, doors and windows
- P10 log final studio construction data and drawings
- P11 plan a final studio conversion
- P12 calculate studio construction costs
- P13 produce studio conversion design plans

Knowledge and understanding

You need to know and understand:

- K1 the materials required and reasons for use
- K2 the requirements when drafting design plans
- K3 the importance of structural and acoustic research
- K4 reasons for maintaining detailed project management
- K5 realistic budget and costs
- K6 how to solve remedial acoustical problems
- K7 how to provide record of project development
- K8 the importance of keeping records
- K9 studio construction methods
- K10 relevant health and safety factors to be taken into consideration

CCSMT36

Cost and design the layout of a recording studio

Developed by	Creative & Cultural Skills
Version number	1
Date approved	April 2012
Indicative review date	April 2016
Validity	Current
Status	Original
Originating organisation	Creative & Cultural Skills
Original URN	CCSMT36
Relevant occupations	Acousticians; studio designers; Maintenance engineers; technical support; Live sound Engineers; artists; Recording Engineers; recording Producers; mix engineers; assistant engineers; programmers; Mastering Engineers; editing engineers; OB/post engineers; writers; co writers; tape ops; Studio managers; facility managers; acoustic designers; acoustic building designers;
Suite	Music Technology
Key words	Recording studio design; control room design; programming/project studio; interview booth; vocal booth; drum booth; performance area; rehearsal room; orchestral recording; edit suite; mastering suite; room symmetry; individual room surfaces; RT60 calculation tests; pink noise; residual room modes; remedial acoustic treatments; sound proofing; acoustic treatments; noise reduction coefficient (NRC); noise control (NC); sound; music; music technology;