

**T Levels Technical
Qualifications in Onsite
Construction and Building
Services Engineering**
Physical resource guidance

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1. Purpose of this document

This document is designed to support the physical resources section in the relevant T Level qualification handbook for 8710/8711. It is acceptable for centres to use specially designated areas within a centre to teach practical skills and to assess the simulated practical assignments. The equipment, systems and machinery must meet current industrial standards and be capable of being used under normal working conditions. This guidance is to support centre delivery and may be reviewed in line with the centre's own method statements, risk assessments and the relevant City & Guilds/EAL Technical Qualification Associate.

2. Core Delivery

2.1. Appropriate Research Material

Access to the full range of building regulations, legislative and approved documents referred to in the range of delivery. This can be made available in hard copy or online. Access to relevant websites, textbooks and trade documents/magazines as required.

2.2. IT Equipment

Appropriate IT equipment to enable access to the internet for research purposes and the availability of resources to word process relevant work.

3. Safety

The need for candidates to wear appropriate clothing in line with the centre's risk assessment and method statement whilst in workshops or project areas cannot be over-emphasised.

3.1. Risk Assessments

The centre shall have conducted suitable and sufficient risk assessments to permit safe working on the full range of practical assignments.

3.2. Statutory Notices

Adequate wall space must be provided within the workshop to ensure that all necessary statutory and advisory notices are prominently displayed adjacent to items/locations to which they refer.

3.3. Safety Equipment

Tooling guards must be fitted and used appropriately on all workshop machines. They should be regularly inspected for damage and replaced when necessary. Appropriate PPE must be provided at every appropriate machine used by candidates or to the individual candidate.

3.4. Trained First Aiders

Should always be readily available when candidates are present in the workshop. Their names and locations should be prominently displayed in the workshop area.

3.5. First Aid Boxes

These must be provided in the workshop and their contents should comply with the Health and Safety at Work legislation requirements and the current British Standard. A list of contents and an accident record book should also be available.

3.6. Fire Appliances/Extinguishers

Fire appliances of the appropriate type must be placed in strategic positions within the workshop and should be suitable for their intended use. It is important that the centre ensures that these are regularly checked by the proper authority and that evidence of inspection is recorded on each appliance.

3.7. Fire Exits

Adequate provision must be made to allow occupants of the workshop to escape in the case of fire. All escape routes must be well lit, clearly posted and always remain free from obstruction.

3.8. Health and Safety Induction

It is a mandatory awarding body requirement that a full health and safety induction is provided prior to commencing practical activities (either training or assessment).

3.9. Physical Resources

Centres must be able to demonstrate that they have access to the equipment and technical resources required to deliver this qualification and its assessment.

4. Occupational Specialisms (OS)

4.1. General Layout

The workshop should be adequate in size for the number of candidates and not constitute a hazard to health and safety whilst practical task activities are being carried out.

4.2. Position of Equipment

Benches and fixed equipment should be positioned to provide a clear and unobstructed working area, which will permit easy access in case of emergency.

4.3. Cleanliness

It is important that the workshop is kept clean and tidy; if sited upon a concrete floor, consideration should be given for this to be sealed against dust.

4.4. Storage Facilities

The materials store should be suitably positioned as close to the workshop as reasonably practicable. This should be suitably fitted out with shelving and racks, which would ensure that tools and materials are stored in a safe and organised manner with adequate stock available, in good condition.

Note: Centres using flammable liquids and low-pressure gases must take particular account of the special requirements needed to store these items safely.

4.5. Electrical Supplies

Supplies up to and including mains voltages are permitted in the training area where these are essential for the purpose of energising training circuits. The installation of these supplies shall comply with the following guidance so far as reasonably practicable. This may be amended dependant on centre layout so long as the safety critical aspects are still upheld:

- The mains supply shall be terminated in each bay via a lockable isolator, fixed to the wall, at a suitable height from the floor.
- All circuits will have the protection of a 30mA or suitable lockable residual current device.
- It is advisable that all supplies within the training area will be protected by an emergency stop button circuit.
- It is advisable that suitable 'Power on' visual indication is advisable to clearly show when individual cubicle supplies are energised.
- When workshop areas are split between locations, considerations should be taken to ensure candidate safety.

4.6. Reduced Voltage Supplies

If a 110-volt supply is also required for portable electrical tools; it is desirable that this be provided via permanently wired industrial sockets placed adjacent to the point of usage. Trailing leads should be avoided in workshop areas and battery equipment should be used if possible.

4.7. Workshop Equipment

The approved centre must ensure suitable resources are provided to permit all the practical assignments to be completed including:

- Material and fittings.
- Protective equipment (to a commercially acceptable standard).
- Tools and equipment.

4.8. Onsite Construction Specific Resources

Please also refer to pages 17-18 construction Technical Qualification Specification found [here](#) for physical resources for each occupational specialism.

Assessments are typically designed around a bay size of 2.4m X 2.4m although this can be adjusted dependant on centre layout so long as the assessment and training can be delivered appropriately. For painting and decorating and plastering an area with internal and external angles will be required for both training and assessment.

4.9. Building Services Engineering (BSE) Specific Resources

Please also refer to pages 19-21 in the BSE for Construction Technical Qualification Specification found [here](#) for physical resources for each occupational specialism.

Assessments are typically designed around a bay size of 2.4m X 2.4m although this can be adjusted dependant on centre layout so long as the assessment and training can be delivered appropriately. To ensure the bay can deliver the assessment, it is advisable that a fuel supply for example gas supply, water supply, electrical supply and drain is installed to remove waste water from the appliances during the assessment.

Get in touch

City & Guilds Technicals Quality team

We are here to answer any queries you may have regarding your T Level Technical Qualification delivery.

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