Unit 6: Health, Safety and Welfare for Construction and the Built Environment

Unit code: T/601/1252
QCF level: 4
Credit value: 15

● Aim
This unit enables learners to develop an understanding of health, safety and welfare legislation and effective health and safety policies. Learners will develop the skills needed to undertake risk assessments.

● Unit abstract
On completion of this unit, learners will understand current health, safety and welfare legislation applicable to the construction and built environment sector. Learners will understand the main requirements of an effective health and safety policy and its successful implementation in the workplace. Learners will understand how to identify and record hazards, assess risks and select appropriate control measures to prevent or mitigate ill health and injuries on site. Work carried out for this unit will contribute to health and safety plans within project work and allows learners to contribute to the safety policy and arrangements. Learners will also gain an understanding of the need to review, revise and monitor risk assessments.

● Learning outcomes
On successful completion of this unit a learner will:
1 Understand the health, safety and welfare legislation applicable to the construction and built environment sector
2 Understand the main requirements of an effective health and safety policy
3 Understand hazard and risk identification in design and construction
4 Understand the need to review, revise and monitor risk assessments
5 Be able to undertake risk assessments.
Unit content

1 Understand the health, safety and welfare legislation applicable to the construction and built environment sector


Implications of legislation: roles and responsibilities of individual team members; requirement for compliance with all relevant legislation; likely results of non-compliance; penalties associated with non-compliance

2 Understand the main requirements of an effective health and safety policy

Health and safety policy statement: sections eg statement of intent, organisation section, arrangements

Health and safety organisation and arrangements: health and safety procedures; legal requirement to report accidents; effectiveness of health and safety procedures; importance of training and competency eg induction training, Construction Skills Certificate Scheme (CSCS); statutory requirements for inspection of plant and equipment; recording of health and safety data to meet legal requirements; communicating procedures; recording findings of health and safety inspections and supporting data

3 Understand hazard and risk identification in design and construction

Hazard identification: direct observation; examining records; conducting interviews

Hazard ratings: quantitative grading of severity of hazards and risks

Recording: scheduled recording; documentation of hazards and risks from a variety of perspectives eg physical, environmental, chemical, biological, psychosocial; chronic occupational health risks to include asbestos, lead and crystalline silica; hazards leading to risks in the workplace

4 Understand the need to review, revise and monitor risk assessments

Reasons to review, revise and monitor risk assessments: changes to legislation; changes in workplace practice; impact of accidents and ill health; subsequent investigations; feedback from employees and safety representatives (unsafe conditions, dangerous occurrences, near misses); other information and advice

Recording and implementation of reviews, revisions and monitoring: revised risk and other assessments; alerting employees to new policies, procedures and findings; monitoring the effectiveness of new procedures
5 Be able to undertake risk assessments

Types of risk assessment: nature of specialist knowledge required; generic and specific risk assessment requirements; assessment (level of risk, who is at risk; risk outcome from hazards that cannot be eliminated)

Assessment of specific risks: effects of hazardous substances (short term, long term); need for manual handling assessments; assessment of possible likelihood and severity of injury; use of quantifiable risk rating systems

Undertaking of risk assessment: standard format; recording risk assessment findings; production of appropriate paperwork

Reviewing preventative and protective measures: workplace precautions and risk control systems; risk control hierarchy; personal protective equipment
## Learning outcomes and assessment criteria

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<th>Learning outcomes</th>
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<td><strong>On successful completion of this unit a learner will:</strong></td>
<td><strong>The learner can:</strong></td>
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| LO1 Understand the health, safety and welfare legislation applicable to the construction and built environment sector | 1.1 discuss the use of approved codes of practice to ensure compliance with health and safety legislation  
1.2 explain the responsibilities for providing welfare facilities on-site  
1.3 evaluate the penalties for non-compliance with current health and safety at work legislation |
| LO2 Understand the main requirements of an effective health and safety policy | 2.1 analyse organisational health and safety policies and procedural documents  
2.2 determine training needs from given risk assessments, including on-site induction training and relevant sector certification |
| LO3 Understand hazard and risk identification in design and construction | 3.1 select a method of hazard identification using data supplied  
3.2 identify the hazards associated with construction processes  
3.3 explain the use of standard formats for identifying and recording hazards  
3.4 explain how risk assessments are used to address significant hazards |
| LO4 Understand the need to review, revise and monitor risk assessments | 4.1 monitor and review risk assessments in light of changes to circumstances  
4.2 evaluate changes in procedure or policy  
4.3 justify the effectiveness of the implemented changes |
| LO5 Be able to undertake risk assessments | 5.1 produce risk assessments for different workplaces and forms of work |
Guidance

Links

This unit links with other Edexcel BTEC HN Construction and the Built Environment units, for example:

- Unit 1: Design Principles and Application for Construction and the Built Environment
- Unit 7: Construction and Maintenance of Buildings
- Unit 8: Technology of Complex Buildings
- Unit 9: Law and Contract for Construction and the Built Environment
- Unit 10: Building Services Design, Installation and Maintenance in Construction
- Unit 11: Contractual Procedures and Procurement for Construction and the Built Environment
- Unit 12: Conversion and Adaptation of Buildings
- Unit 16: Measuring, Tendering and Estimating for Construction and the Built Environment
- Unit 19: Building Control Procedures and Legislation
- Unit 24: Design Procedures for Construction
- Unit 33: Civil Engineering Technology.

The content of this unit has been designed and mapped against the current CIC National Occupational Standards and the current NVQs at levels 4 and 5. Completion of the learning outcomes will contribute knowledge, understanding and skills towards the evidence requirements of the NVQs.

- See Annexe B for summary of mapping information to NVQs.

This unit has also been mapped to illustrate the links to the NQF units.

- See Annexe D for summary of mapping information to NQF units.

Essential requirements

Learners must undertake risk assessments for three different workplace environments. Case studies, case law review and individual assignments are an essential part of delivery.

It is essential that a culture of health and safety is embedded in all the units to ensure that the learners understand the importance and relevance of health and safety issues. Therefore there should be clearly signposted aspects of current legislation and health, safety and welfare implications throughout the delivery and assessment of this unit.
Employer engagement and vocational contexts

Tutors should organise site visits as part of delivery for this unit. To ensure site visits are successful tutors should outline the aims and objectives of the visits, conduct preparatory briefings and encourage learners to review their site visits, for example producing risk assessments and reports for management on the hazards and risks, risk mitigation and recommendations for improvement based on site visits. Tutors should organise presentations by visiting speakers, for example occupational health professionals on pre-employment, chronic and acute health effects and/or health surveillance regarding asbestos. Tutors should use real-life case studies for part of the assessment for this unit, analysing own centre and/or companies policies, procedures and case law (both statute breaches and prosecution/compensation cases).