



National Unit specification

General information

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

Unit code: H0SY 11

Superclass: TK

Publication date: April 2016

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Version: 02

Unit purpose

This Unit covers essential knowledge and practical experience relating to signing, lighting and guarding in the construction environment. The Unit is suitable for learners who have had little or no experience to date in the construction environment and who want to gain and apply knowledge and understanding relating to signing, lighting and guarding in the workplace environment.

Outcomes

On successful completion of the Unit the learner will be able to:

- 1 Explain how to prepare, set up and restore the site.
- 2 Prepare for the provision, use and removal of traffic control systems.

Credit points and level

1 National Unit credit at SCQF level 5: (6 SCQF credit points at SCQF level 5)

Recommended entry to the Unit

Entry is at the discretion of the centre. Learners undertaking this Unit in a Group Award as part of a Modern Apprenticeship (MA) must meet the requirements of the MA which include being employed in the relevant construction industry.

National Unit specification: General information (cont)

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes for this Unit specification.

Achievement of this Unit gives automatic certification of the following Core Skills component:

Complete Core Skill	None
Core Skill component	Critical Thinking at SCQF level 5 Planning and Organising at SCQF level 5

Context for delivery

If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

Equality and inclusion

This Unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

National Unit specification: Statement of standards

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

Outcome 1

Explain how to prepare, set up and restore the site.

Performance Criteria

- (a) Identify the resources required to sign, light and guard the work area.
- (b) Identify the tools and equipment required.
- (c) Explain procedures for planning site safety, storage of materials and traffic control.
- (d) Explain how to set out the basic site layout.
- (e) Identify codes of practice for removing signs from the work area.

Outcome 2

Prepare for the provision, use and removal of traffic control systems.

Performance Criteria

- (a) Set out stop/go boards, priority signs, stop works signs and temporary portable traffic signals.
- (b) Operate stop/go boards, priority signs, stop works signs and temporary portable traffic signals to control traffic.
- (c) Dismantle and remove all signs and equipment relating to temporary traffic control.
- (d) Operate tools and equipment as required.
- (e) Report and record any defects to equipment.

Evidence Requirements for this Unit

Learners must adhere to relevant Health and Safety regulations and legislation relating both to working practices within the construction environment, as well as those specific to any practical task they are requested to carry out (such as emphasising the importance of selecting and using the correct PPE at all times).

Evidence is required to demonstrate that the learner has achieved this Unit to the standard specified in the Outcomes and Performance Criteria. Learner training and assessment should take place in as realistic an environment as possible to that of a live working site.

Performance and knowledge evidence is required to demonstrate that the learner has achieved the standard specified in the Outcomes and Performance Criteria.

Performance and knowledge evidence must be produced at an appropriate point in training under supervised conditions once the learner has developed the necessary skills and knowledge required to carry out the assessment. This evidence must be supplemented with a completed assessor observational/operational checklist.

National Unit specification: Statement of standards (cont)

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

Evidence must be demonstrated by learners signing, lighting and guarding the work area by setting out, operating and dismantling:

- ◆ Stop/go boards
- ◆ Priority signs
- ◆ Stop works signs
- ◆ Temporary portable traffic signals

Using the following materials:

- ◆ Signs
- ◆ Lights
- ◆ Guards
- ◆ Traffic lights
- ◆ Control systems

Learners must adhere to relevant Health and Safety regulations and legislation relating both to working practices within the construction environment, as well as those specific to any practical task they are requested to carry out (such as emphasising the importance of selecting and using the correct PPE at all times).

As part of the assessment for this Unit, the learner will also produce evidence of a method statement and a completed risk assessment for a specified training activity — current Chapter 8 and/or COP standards. Oral or written evidence of knowledge and understanding may be demonstrated by the learner during practical assignments set for all Outcomes and Performance Criteria and noted at the time by the training assessor



National Unit Support Notes

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

Unit Support Notes are offered as guidance and are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

Guidance on the content and context for this Unit

The Outcomes and Performance Criteria for this Unit can be demonstrated by the learner signing, lighting and guarding the work area by setting out, operating and dismantling:

- ◆ Stop/go boards
- ◆ Priority signs
- ◆ Stop works signs
- ◆ Temporary portable traffic signals

Using the following materials:

- ◆ Signs
- ◆ Lights
- ◆ Guards
- ◆ Traffic lights
- ◆ Control systems

The content and context of this Unit has been set at an introductory level so that the learner can develop a basic knowledge and ability in signing, lighting and guarding the work area within a construction environment.

Health and Safety are vital to working practices within the construction industry and therefore, emphasis will be placed wherever appropriate during the delivery of this Unit on the correct application of Health and Safety principles and processes, in accordance with current codes of practice and legislation.

Guidance on approaches to delivery of this Unit

These notes are for guidance purposes only, and are not to be considered as a complete training package for centres to follow.

The introductory training for this Unit should take place in a separate training area independent of the productive work environment and using dedicated equipment and resources. This should cover theoretical and practical principles before any practical application of knowledge is carried out by learners.

National Unit Support Notes (cont)

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

Delivery of this Unit will be focussed on enabling learners to develop the knowledge required for signing, lighting and guarding the work area safely before they are given the opportunity to do so within the workplace environment. Learners should learn and be encouraged to communicate the theories and principles behind correct signing, lighting and guarding techniques. Delivery of this Unit should also ensure learners learn about the different components of the work area, using the correct terminology and understanding the correct tools, equipment and materials to be used for specified systems, before any practical work takes place. Emphasis will also be placed on the importance of learners accurately understanding and interpreting the information provided within work specifications and drawings.

During delivery of the practical components of this Unit, learners should understand the importance of ensuring good visibility at all times when operating tools and machinery.

E-learning approaches may be appropriate to help tailor delivery to suit the individual needs or learning styles of learners. This might include, for example, encouraging learners to use electronic resources to conduct research into a specific knowledge area.

Opportunities for integrated delivery of the Core Skills and knowledge developed in other Units may be possible within the practical activities in this Unit.

Guidance on approaches to assessment of this Unit

Centres may use the method of assessment which they consider to be most appropriate but are encouraged to use the Training Assessment Programme (TAP) developed centrally by SQA. It is expected that learners will have to demonstrate current knowledge and understanding of safe working practice and risk assessment methods, etc prior to being set the assessment tasks.

Knowledge and Understanding of the processes involved in *Sign, Light and Guard the Work Area (SCQF level 5)* should be assessed before any practical assignments are carried out by learners. For example this could include assessment of a learner's ability to prepare the work area for laying modular pavement.

Practical assignments should be carried out under supervised conditions and recorded in an assessor observation/operational checklist. Assessments should confirm that a learner has the ability to safely lay modular pavement using designated machinery or equipment correctly and safely, whilst adhering to current statutory Health and Safety regulations and legislation.

Adherence to current statutory working regulations and Health and Safety procedures will be observed during the practical exercise carried out by the learner towards all Outcomes.

Detailed assessment material for this Unit will be found in the relevant Training and Assessment Programme (TAP). Centres may use the instruments of assessment which they consider to be most appropriate but are advised to use the TAP which has been developed centrally by SQA. Any other instruments of assessment used must be comparable to the TAP and have been prior verified.

National Unit Support Notes (cont)

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

Opportunities for e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or social software. Centres which wish to use e-assessment must ensure that the national standard is applied to all learner evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. The most up-to-date guidance on the use of e-assessment to support SQA's qualifications is available at www.sqa.org.uk/e-assessment.

Opportunities for developing Core and other essential skills

Identifying signing, lighting and guarding equipment to suit site requirements and also any defects on the signing, lighting and guarding equipment will require learner to think critically, plan and organise the task accordingly — key aspects of the Core Skill of *Problem Solving* (SCQF level 3).

The opportunity for the Core Skill *Working with Others* (SCQF level 3) will be provided as learners ensure the safety of others as they comply with codes of practice and working regulations. Throughout this Unit, learners will be expected to develop the Core Skill of *Communication* (SCQF level 3) within the work environment, for example to inform others of any safety considerations, using the correct terminology and a tone appropriate to the workplace environment. In addition, assessment processes may enable learners the opportunity to develop their written communication skills

This Unit has the Critical Thinking and Planning and Organising components of Problem Solving embedded in it. This means that when learners achieve the Unit, their Core Skills profile will also be updated to show they have achieved Critical Thinking at SCQF level 5 and Planning and Organising at SCQF level 5.

History of changes to Unit

Version	Description of change	Date
02	Clarification of Standards and updated to new Unit Specification Standard. Core Skills Components Critical Thinking and Planning and Organising at SCQF level 5 embedded.	29/04/16

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General information for learners

Unit title: Sign, Light and Guard the Work Area (SCQF level 5)

This section will help you decide whether this is the Unit for you by explaining what the Unit is about, what you should know or be able to do before you start, what you will need to do during the Unit and opportunities for further learning and employment.

This Unit develops you skills required to enable you to sign, light and guard works in the construction environment. The Unit is suitable for learners who have had little or no experience to date in the construction environment and who want to gain and apply knowledge and understanding relating to signing, lighting and guarding in the workplace environment.

You will also develop your knowledge and understanding of work methods and terminology used in Construction. The Unit may provide further progression in the Construction Craft industry.

You will also be provided with the knowledge to allow you to appreciate the reasons for carrying out the practical work in the manner directed and the reasons for using specific tools, materials, components and equipment.

Health and Safety and Sustainability are integral and key to the Construction Industry therefore throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability. Safety working practices will be looked at in accordance with current safety codes of practice and regulations.

There will be a series of training exercises followed by some practical task based assessment and multi choice knowledge assessment. Completion of the Unit will provide you with the basic skills necessary to enable you to progress to more complex aspects of Carpentry and Joinery which in turn will further develop your skills and knowledge.

The elements of the Core Skill of *Problem Solving*, such as Planning and Organising and Critical Thinking will be developed and enhanced as you undertake this Unit. You will need to take account of a range of factors in order to work efficiently and safely, such as the choice of tools, appropriate materials, safety issues, safety equipment and sustainability.

There are opportunities to develop co-operative working skills. You will also be required to comply fully with health and safety requirements which gives you opportunities to develop awareness of the safety of others.

This Unit has the Critical Thinking and Planning and Organising components of Problem Solving embedded in it. This means that when you achieve the Unit, your Core Skills profile will also be updated to show you have achieved Critical Thinking at SCQF level 5 and Planning and Organising at SCQF level 5.