



Regulated Qualifications Unit and Assessment Specification

Unit title	Plan and Implement Lifting Operations within a Port Environment
Ofqual unit code	L/507/1737
SQA unit code	H9GP 57
SSC ref	PSSSPO105.1

History of changes

Publication date: July 2015

Version: 02 (December 2017)

Version number	Date	Description	Authorised by
02	December 2017	Unit specification updated to reflect current Ofqual terminology.	Qualifications Officer

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Regulated qualifications unit specification

Title	Plan and Implement Lifting Operations within a Port Environment	
Level	3	
Credit value	8	
Learning outcomes	Assessment criteria	
The learner will:	The learner can:	
1 Understand the relevant legislation, guidance and organisation requirements for planning and implementing a lifting plan.	1.1	Summarise the legal responsibilities for maintaining own and others' health and safety in the workplace and to whom matters are referred.
	1.2	Explain the requirements placed upon individuals and their organisation by current legislation, relevant to lifting operations.
	1.3	Identify the current industry guidance and organisational policies, procedures and working practices relevant to lifting operations.
	1.4	Outline the organisation's accident and emergency procedures including the roles and responsibilities of individuals in own area of operations.
	1.5	Describe the operating procedures, capabilities and limitations of the principle types of lifting equipment in own port.
	1.6	Explain the pre- start maintenance requirements for equipment in own area of operations.
	1.7	State why it is important to report any faults and defects prior to operations to whom.
	1.8	Describe the principle characteristics of the main types of loads handled in own area of operations.
	1.9	Identify the factors that may affect the stability and security of loads when being transferred.

Learning outcomes	Assessment criteria
The learner will:	The learner can:
	<p>1.10 Identify the capabilities of the types of slinging and lashing materials.</p> <p>1.11 State the implications of using defective or faulty materials when slinging and lashing including effects on capacity and strength.</p> <p>1.12 Describe the methods of slinging and unslinging loads in own area of operations including angle of operations and what constitutes a safe work load.</p> <p>1.13 Identify signalling procedures and techniques including the interpretation of hand signals in slinging operations.</p> <p>1.14 Explain how to interpret the information found on load labels and documentation.</p> <p>1.15 State own limits of responsibility and to whom to report to if these are exceeded.</p>
<p>2 Demonstrate safe planning and implementation of lifting operations in a port.</p>	<p>2.1 Identify the load to be lifted and the features the planning needs to address.</p> <p>2.2 Identify all relevant information, including any restrictions from labelling and other information provided regarding the load.</p> <p>2.3 Plan lifts correctly taking into consideration the nature of the load, safe working practices, the lifting gear, the destination of the load and timescale.</p> <p>2.4 Ensure the method, materials and equipment selected for the lift are suitable for the nature of the load, the planned work and the lifting operation.</p>

Learning outcomes	Assessment criteria
The learner will:	The learner can:
	<p>2.5 Confirm that all lifting equipment, materials and lifting points are safe and working properly prior to starting a lift.</p> <p>2.6 Confirm the load to be lifted is secure and will not shift during the lift.</p> <p>2.7 Report any difficulties, defective materials and equipment correctly and promptly.</p> <p>2.8 Brief fully all those involved in the lift, checking and confirming their understanding.</p> <p>2.9 Ensure all relevant communications systems are confirmed as working properly.</p> <p>2.10 Ensure obstructions on the route of the lift are cleared in advance of the operation.</p> <p>2.11 Ensure lifts are undertaken correctly and safely.</p>

Additional information about the unit
Unit purpose and aim(s)
<p>This unit provides the skills and knowledge required to plan and implement lifting operations within a port environment. It covers identification of the loads to be lifted preparing, agreeing a plan and confirming all equipment is in working order.</p> <p>The assessment route is recommended for supervisors and other first line managers.</p>
Unit start date
1 July 2015
Details of the relationship between the unit and relevant national occupational standards (if appropriate)
This unit is based on NOS unit PSSSPO 105 Plan lifting operations in ports developed by Port Skills and Safety.
Details of the relationship between the unit and other standards or curricula (if appropriate)
Not applicable
Assessment requirements specified by a sector or regulatory body (if appropriate)
Unit to be assessed in accordance with the Port Skills Safety (PPS) Assessment Strategy 'Port Operations and Supervision of Port and Maritime Operations'.
Endorsement of the unit by a sector or other appropriate body (if required)
Not applicable
Location of the unit within the subject/sector classification system
4.3 Transportation Operations and Maintenance
Name of the organisation submitting the unit
Port Skills and Safety
Guided learning hours
50

Regulated qualifications assessment specification

Assessment (evidence) requirements

Assessment should be in the workplace as much as possible.

Your responsibilities will require you to comply with organisational policy and procedures and to report any problems with the activities that you cannot personally resolve, or are outside your permitted authority, to the relevant people.

You will be expected to work with supervision and/or as a member of a team. You will take personal responsibility for your own actions and for the quality and accuracy of the work that you carry out. Where team working is involved, you must demonstrate a significant personal contribution during the team activities in order to satisfy the requirements of the standard and competence in all the areas required by the standard which must be demonstrated.

Your underpinning knowledge will be sufficient to provide a sound basis for your work and will provide an informed approach to applying the appropriate operational techniques and procedures. You will have an understanding of the basic knowledge behind the equipment being used and its application and in adequate depth to provide a sound basis for carrying out the activities to the required specification.

You will understand the safety precautions required when carrying out the activities. You will be required to demonstrate safe working practices throughout and will understand your responsibility for taking the necessary safeguards to protect yourself and others in the workplace.

The following evidence is required to demonstrate that learners have the appropriate level of knowledge to undertake Manage Port Users in an Emergency. All learning outcomes and assessment criteria must be achieved.

Written and/or recorded oral evidence produced either on or off-the-job is required for the following:

Learning Outcome 1

Performance evidence in the workplace or in an appropriate simulated environment is required for the following:

Learning Outcome 2

This could be achieved through the observation of learners undertaking practical exercises.

Guidance on assessment

Performance evidence can be generated using practical exercises in a simulated environment.

Short answer written questions and/or oral interview could be used for the other learning outcomes and assessment criteria.