

COGOC3

Operate specialised plant and machinery to performance requirements (lifting and transferring) in offshore crane operations



Overview

This unit is designed to assess the candidate's competence in operating offshore cranes to performance requirements and to interpret instruction and information to carry out operations. It confirms the competence to prepare the plant and machinery to meet the work activity planned and that the equipment is safe, set up and fully operational to carry out the work. It provides for operating offshore cranes in the work activity and places emphasis on the consequences of the activity and the need to ensure safety and security in the work environment, including the need to be aware of others, whether work personnel or members of the public, who may have contact with the activity. Similarly this competence should also be in evidence in respect of property. Concluding the work activity, ensuring plant and machinery is secure and maintained in an operable condition completes the competence of the unit. Throughout the range of activities envisaged there is the need to communicate with others and this too is recognised in the competence of operating the specialised plant and machinery of performance requirements.

The unit deals with the following:

- 1 Prepare and set up plant and machinery
- 2 Operate plant and machinery to meet work requirements
- 3 Shut down and secure plant and machinery

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

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Performance criteria

You must be able to:

- P1 confirm work requirements as to the extent, method and detail of the work activity to be undertaken with the appropriate person(s)
- P2 identify hazards and conditions that affect the work activity and agree actions with the appropriate person(s)
- P3 confirm that the equipment to be used is available and applicable to the work activity
- P4 carry out pre-start checks on the equipment and its energy and ancillary supplies in accordance with approved operating procedures and practices
- P5 prepare, set-up and adjust the equipment for the work activity in accordance with instructions, safety and the work requirements
- P6 confirm that the operational performance of the equipment and its associated systems is correct, safe and appropriate to the work activity
- P7 record defects and damage to the equipment and take appropriate action for any correction
- P8 maintain records in accordance with organisational procedures and requirements
- P9 refer problems and conditions outside your responsibility to an authorised person
- P10 carry out work to approved procedures and practices and in compliance with statutory requirements
- P11 identify and confirm the area of work in accordance with instructions and to the specified work requirements
- P12 deal with any changes in conditions that impinge on the work and safety, and communicate these to the appropriate person(s)
- P13 carry out operations safely in accordance with instructions and operational procedures to meet the specified work requirement
- P14 monitor equipment to maintain safety of performance throughout the work activity
- P15 use methods of communication in accordance with the designated procedure and as agreed with the banksman
- P16 deal promptly and appropriately with any accident(s) and incident(s) during operations, in accordance with approved procedures and practices
- P17 maintain records in accordance with organisational procedures and requirements
- P18 carry out work to approved procedures and practices and in compliance with statutory requirements
- P19 conclude the work activity to instruction and in accordance with the

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specified requirements

- P20 identify and allow for hazards and conditions that affect the shutdown or the equipment's security both during shutdown, on completion of the shutdown
- P21 shut down equipment and leave it secure in accordance with approved procedures and practices
- P22 maintain equipment and leave it ready for use in accordance with post-stop maintenance requirements
- P23 maintain records in accordance with organisational procedures and requirements

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Knowledge and understanding

You need to know and understand:

- K1 the following hazards and conditions that affect the work activity – adverse circumstances affecting plant and machinery stability, load stability, load security, load handling, restricted access, services apparatus, fixed and temporary furnishings and structures, neighbouring work and traffic activities, encroaching personnel
- K2 it will be essential that the candidate provides direct evidence of his/her knowledge of any hazards and conditions which are not covered by the Performance Evidence provided
- K3 the types of equipment in relation to the work activity
- K4 the setting up of equipment for the work activity
- K5 the methods of adjustment for varying equipment performance
- K6 pre-start routine checks
- K7 types of defects in the equipment
- K8 the format and procedures for recording and communicating information
- K9 the following types of approved procedures and practices require in the context of the operations, the work activity and the workplace environment – organisational, regulatory, emergency, operational
- K10 individual's responsibilities under the Health and Safety and Environment Statutory Requirements, Provision and Use of Work Equipment Regulations 1998 (PUWER), Lifting Operations and Lifting Equipment Regulations 1998 (LOLER), and BS 7121 Part Eleven
- K11 the characteristics and capabilities of the equipment being used
- K12 the following types of methods of communication used – visual, oral
- K13 the requirements for recording and communicating information (e.g. manifests)
- K14 accident and incident procedures
- K15 the procedures for concluding work activity
- K16 the hazards and conditions that affect the shutdown or equipment security
- K17 parking and securing requirements for the equipment
- K18 the post-stop maintenance requirements for the equipment

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