

COGOS5

Set up offshore survey acquisition software



Overview

The unit deals with the following:

1 Set up survey acquisition software

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 operate the software package for a variety of standard survey operations and functions
 - P2 define working units and geodetic parameters
 - P3 set up the software project file management system
 - P4 configure software graphics and numerical displays
 - P5 interface the survey systems to software and selected appropriate drivers
 - P6 perform basic operations on survey system components
 - P7 record all relevant information as required
 - P8 work safely in accordance with operational requirements and associated Safe Systems of Work

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Knowledge and understanding

You need to know and understand:

- K1 how the online software package operates and how it is structured.
- K2 the range of basic operations to be carried out (to include checking system status)
- K3 the online system components and their function within the overall system
- K4 the principles and applications of geodesy (to include coordinating reference systems, datums, ellipsoids, map projections, vertical reference systems)
- K5 the survey units (to include metres, feet, angles)
- K6 sensor accuracy, limitations and performance
- K7 positioning techniques from survey sensors
- K8 how to obtain and interpret information on safety
- K9 your own responsibilities as they relate to Organisational Safety Policy, Workplace Safety Policy, Evacuation Procedures, Fire Procedures

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Additional Information

Scope/range related to performance criteria

Safe Systems of Work must include processes or systems that incorporate Hazard Identification, Risk Assessment, Permit to Work and any other associated systems.

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Suite Offshore Surveying

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