

COGOS9

Review, process and interpret offshore survey data



Overview

The unit deals with the following:

1. Process and interpret survey data

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

COGOS9

Review, process and interpret offshore survey data

Performance criteria

- You must be able to:*
- P1 review all available data including the specification
 - P2 complete processing progress logs up to date
 - P3 load and graphically display all relevant datasets
 - P4 ensure the integrity of data to be processed and identify any gaps in data coverage
 - P5 process data to set project procedures
 - P6 compare raw and processed datasets
 - P7 produce simple sketches, graphs or result lists from logged data
 - P8 generate contours from a data set using a software program
 - P9 produce hardcopy of processed data
 - P10 interpret the outcome of the applied processes
 - P11 work safely in accordance with operational requirements and associated Safe Systems of Work

COGOS9

Review, process and interpret offshore survey data

Knowledge and understanding

You need to know and understand:

- K1 how the offline software package operates and how it is structured
- K2 why recorded depths require adjustment to remove tidal influences
- K3 the purpose and type of the survey and the types of data to be processed
- K4 the uses and limitations of the types of sensors being used
- K5 the application of tidal corrections, production of data listings, standard processing functions, identifying and editing anomalous or spurious data, data export routines
- K6 the range of variables that impact on survey sensors (e.g. tides, velocity, refraction, footprints, heave, instrumentation)
- K7 the principles of KP and DCC
- K8 positioning limitations and methods
- K9 the range of processing techniques
- K10 the principles of geodesy and propagation of sound through water
- K11 how to obtain and interpret information on safety
- K12 presentation techniques
- K13 your own responsibilities as they relate to Organisational Safety Policy, Workplace Safety Policy, Evacuation Procedures, Fire Procedures

COGOS9

Review, process and interpret offshore survey data

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.

COGOS9

Review, process and interpret offshore survey data

Developed by Cogent

Version number 1

Date approved October 2009

Indicative review date October 2011

Validity Current

Status Original

Originating organisation Cogent

Original URN OS9

Relevant occupations Professional Occupations; Engineering Professionals; Engineering and manufacturing technologies; Engineering

Suite Offshore Surveying

Key words review, process, interpret, offshore survey, data