



Australian Government

Assessment Requirements for CPPSIS6041

Compile mine survey plans

Release: 1

Assessment Requirements for CPPSIS6041 Compile mine survey plans

Modification History

Release 1.

Replaces superseded equivalent CPPSIS6041A Compile mine survey plan.

This version first released with CPP Property Services Training Package Version 3.

Performance Evidence

A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria, foundation skills and range of conditions of this unit. The person must also use a computer and computer-aided design (CAD) software to compile a mine survey plan that meets technical specifications for two projects.

While compiling the above mine survey plans, the person must:

- define and document project deliverables, constraints and activities
- prepare for work by checking the following essential surveying information for currency and validity:
 - mine grid coordinate systems
 - requirements for data processing
- communicate clearly with clients and stakeholders to clarify and report project requirements and plot details
- comply with statutory, legal and organisational requirements relating to:
 - completing records and reporting
 - mine drawings
 - protocols for saving and formatting drawing files
- comply with drawing standards and specifications to create mine plans, views and plots at required scale, which incorporate:
 - grid convergence
 - long and cross-section plot requirements
 - map legends
 - plot symbols
 - sheet surround
- create metadata, database, file structures and conventions as the basis for design work
- exercise precision and accuracy in relation to measurements, tolerances and design
- follow project management techniques to schedule, measure, record and report progress of project activities
- prepare the CAD environment by setting up the hardware and software systems and drawing defaults, and customising menus

- identify and comply with plan lodgement requirements, standard drawing requirements and plotting specifications.

Knowledge Evidence

A person demonstrating competency in this unit must demonstrate knowledge of:

- Australian drawing standards, data formats and precision and accuracy requirements for preparing mine drawings using CAD
- CAD principles, capabilities and uses in relation to mine design
- data reduction and manipulation techniques
- industry-accepted standards for mine survey plans
- statutory, legal and organisational requirements for mine survey plans
- methods for validating measurements to identify errors
- key features of mine grid coordinate systems
- organisational requirements relating to:
 - completing records
 - reporting
 - saving and formatting drawing files
 - working safely
- standard engineering and mining plan design and presentation conventions
- types of mine plans, including:
 - accident plans
 - emergency plans
 - open cut mine plans
 - surface infrastructure plans
 - underground level plans
 - ventilation plans.

Assessment Conditions

The following must be present and available to learners during assessment activities:

- equipment:
 - computer and CAD software
- specifications:
 - organisational policies, procedures and documentation relating to data privacy and information copyright for plan content
- physical conditions:
 - access to equipped work station
- relationships with team members and supervisor:
 - lead role in a team
- relationships with client:

- client consultation required.

Timeframe:

- as specified by the client and project requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>