



Australian Government

Assessment Requirements for MSS025005 Produce site maps

Release: 2

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Modification History

Release 1. Supersedes and is equivalent to MSS025005A Produce site maps.

Release 2. Prerequisite code updated. Equivalent outcome.

Performance Evidence

- Evidence of competence in this unit must satisfy all of the requirements of the elements and performance criteria, and include demonstration of:
 - using available data to produce at least two (2) different site maps that meet the client's specifications and timeframe
 - locating, interpreting and assessing the quality of existing maps, data sets and environmental information
 - planning and preparing for field work
 - collecting and recording reliable spatial and environmental data at the site
 - scaling information and plotting data
 - preparing hand drawn or computer rendered maps
 - using computers and software to manipulate and present data in graphs, tables, diagrams and maps
 - seeking advice when issues/problems are beyond scope of competence/responsibility
- communicating effectively with suppliers of data and map users working safely.

Knowledge Evidence

- Must provide evidence that demonstrates knowledge of:
 - environmental terms, concepts and principles relevant to data sets and maps
 - types and functions of maps, charts, aerial photos and their advantages/disadvantages
 - map conventions, symbols and representation of topographical features on maps and plans
 - mapping principles, including layout, legend, scale, media, printing and presentation styles
 - use of software and hardware, such as printers and plotters
 - functional components of a compass/global positioning system (GPS) and factors affecting compass/GPS accuracy
 - techniques for estimating distance and taking bearings
 - relevant legislation, regulations, licences and permit requirements for site
 - workplace environmental management framework of policy, procedures and management plans for site

relevant site hazards, health and safety requirements, and workplace safe work procedures.

Assessment Conditions

- Judgement of competence must be based on holistic assessment of the evidence. Assessment methods must confirm consistency of performance over time, rather than a single assessment event.
- This unit of competency is to be assessed in the workplace, or a simulated workplace environment. A simulated workplace environment must reflect realistic operational workplace conditions that cover all aspects of workplace performance, including the environment, task skills, task management skills, contingency management skills and job role environment skills.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Knowledge evidence may be collected concurrently with performance evidence or through an independent process such as workbooks, written assessments or interviews (provided a record is kept in each case).
- Holistic assessment methods include:
 - review of at least **two (2)** site maps produced by the candidate
 - feedback from supervisors and/or clients about the candidate's ability to source, assess and use existing data sets to produce site maps that meet their needs
 - oral and/or written questions to assess the candidate's knowledge of mapping terminology and principles, interpretation of data sets and maps.
- Access is required to all instruments, equipment, materials, workplace documentation, procedures, and specifications associated with this unit including, but not limited to:
 - site/project history, maps and aerial photos
 - guidelines, codes, regulations, and workplace procedures governing data collection
 - relevant field equipment, GPS receivers and related GPS software
 - relevant computer software (e.g. GIS) and hardware.
- Assessors must satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator.
- The assessor must demonstrate both technical competency and currency.
- Technical competence can be demonstrated through:
 - relevant VET or other qualification/Statement of Attainment AND/OR
 - relevant workplace experience
- Currency can be demonstrated through:
 - performing the competency being assessed as part of current employment OR
 - having consulted with an organisation providing environmental monitoring, management or technology related services about performing the competency being assessed within the last twelve months.

Links

The MSS Sustainability Companion Volume implementation Guides are available from VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>