



Australian Government

NWPNET056 Coordinate and monitor network asset construction

Release: 1

NWPNET056 Coordinate and monitor network asset construction

Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Application

This unit involves the skills and knowledge required to coordinate and monitor network asset construction.

It includes site management and associated commissioning and post-commissioning activities, conducting often complex planning of activities, scheduling and resourcing projects and monitoring the project to ensure completion of the work in line with organisational requirements to the required quality.

This unit applies to those working as operators with responsibility for ensuring network asset construction activities are performed and completed in compliance with all relevant organisational and statutory requirements. Those undertaking this unit would work autonomously, usually with supervisory responsibilities, while performing complex tasks in a range of contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Networks

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|--|
| 1 Prepare for network asset construction | <ul style="list-style-type: none">1.1 Conduct risk assessment and propose appropriate control measures1.2 Determine and record work requirements, equipment, materials and configurations according to task from plans, specifications, instructions and organisational procedures1.3 Conduct site inspections and audits1.4 Select and source materials to complete work1.5 Sequence and schedule work to meet organisational requirements for the efficient completion of the project1.6 Confirm networks system operational plans1.7 Identify and address stakeholder issues according to organisational requirements1.8 Identify and check construction guidelines, standards and other regulatory requirements1.9 Collate and check project documentation and assess for impact on work planning1.10 Identify and specify roles and responsibilities of relevant personnel |
| 2 Monitor construction | <ul style="list-style-type: none">2.1 Monitor material handling procedures according to risk assessment2.2 Monitor tasks and jobs to ensure compliance with plans in terms of time frames, quality assurance issues and organisational requirements2.3 Conduct inspections by applying commissioning programs according to commissioning and stakeholder requirements2.4 Monitor test results to ensure network assets function within specifications2.5 Provide guidance to relevant personnel |
| 3 Conduct post construction activities | <ul style="list-style-type: none">3.1 Monitor network asset performance and undertake a review of the construction or installation3.2 Identify defects and schedule repairs |

- 3.3 Ensure completion and recording of all reports and documentation according to workplace procedures
- 3.4 Communicate any resources reallocation or rescheduling to relevant personnel
- 3.5 Confirm and certify completion of construction or installation

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to NWPNET033 Coordinate and monitor water asset construction.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Assessment Requirements for NWPNET056 Coordinate and monitor network asset construction

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- adjusting and altering designs
- ensuring organisational, planning and statutory obligations are met including stakeholder needs
- exercising judgement if the project plan or schedule requires revision due to unforeseen circumstances
- identifying and securing required resources to complete work
- managing costs
- managing risks
- monitoring the project plan or schedule
- overseeing and ensuring quality outcomes are achieved
- providing targeted, timely and constructive feedback to relevant personnel
- reporting the outcomes
- scheduling and sequencing of the project
- supervising and advising relevant personnel

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- characteristics, technical capabilities and limitations of materials and equipment according to manufacturer specifications
- evaluation and investigation requirements
- organisational auditing and recording procedures and reporting requirements
- organisational contract conditions and compliance
- relevant legislation, industry standards, organisational policies, procedures, guidelines and requirements
- risk factors and potential hazards
- system layout, integrity, design and performance

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

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.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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