



Australian Government

NWPNET007 Conduct commissioning and post-commissioning activities

Release: 1

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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 conduct commissioning and post-commissioning activities.

It includes planning and managing commissioning and post-commissioning activities associated with asset construction. It also includes applying and adhering to relevant legislation, industry regulatory and workplace procedures.

This unit applies to those working as construction leaders with responsibility for the commissioning of new assets and management of post-commissioning activities. Those undertaking this unit would work autonomously, with leadership responsibilities, while performing complex tasks in a range of familiar contexts.

No licensing, legislative or certification requirements apply to 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 Plan for commissioning activities | 1.1 Access and interpret workplace and contractual requirements and documentation for the post-construction commissioning of assets |
| | 1.2 Develop a specified commissioning plan |
| | 1.3 Secure authorisation of the commissioning process from appropriate personnel |
| | 1.4 Negotiate and communicate commissioning activities, process and schedule with relevant stakeholders |
| | 1.5 Identify hazards, assess risks and implement control measures |
| 2 Conduct commissioning activities | 2.1 Schedule and conduct the defined commissioning program |
| | 2.2 Conduct site inspections according to commissioning requirements |
| | 2.3 Review construction and installation planning and implement identified improvements |
| 3 Conduct post-commissioning activities | 3.1 Monitor and record asset performance against inspection and test plans |
| | 3.2 Identify and rectify defects according to workplace procedures |
| | 3.3 Record required operational and maintenance schedules |
| | 3.4 Finalise the asset register according to workplace procedures |

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.

Unit Mapping Information

This unit replaces and is equivalent to NWPNET034 Conduct commissioning and post-commissioning activities.

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 NWPNET007 Conduct commissioning and post-commissioning activities

Modification History

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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:

- accessing and interpreting organisational construction requirements
- adjusting and altering designs
- developing a commissioning plan and schedule to meet workplace requirements
- finalising asset register
- interpreting complex documentation by preparing a commissioning plan and schedule
- identifying and rectifying defects
- interpreting contractual specifications, job specifications and design plans
- monitoring and reading asset performance information including interpreting numerical data
- negotiating and communicating with relevant stakeholders
- performing inspections and other commissioning activities to meet organisational requirements and reflect the specifications of the job
- performing post-commissioning activities associated with assets planning and managing the commissioning and post-commissioning activities associated with asset construction
- recording operational and maintenance schedules
- reporting outcomes
- securing authorisation from appropriate personnel after asset is commissioned

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 includes knowledge of:

- activities for commissioning and post-commissioning assets
- asset register associated with commissioning activities including:
 - asset performance records
 - asset value
 - contractual requirements and procedures
 - physical location of asset
 - reporting requirements
- characteristics, technical capabilities and limitations of relevant materials associated with

commissioning assets

- commissioning plan and schedule
- evaluation and investigation requirements
- relevant legislation, industry standards and workplace procedures
- relevant documentation associated with asset commissioning activities

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 suitable workplace operational situations. Where this is not appropriate, assessment must occur in suitable simulated workplace operational situations reflecting actual 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, facilities, equipment and personal protective equipment currently used in industry
- applicable relevant documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

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