



Australian Government

NWPNET034 Conduct commissioning and post-commissioning activities

Release: 1

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Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP527B Conduct commissioning and post-commissioning activities. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice

Application

This unit describes the skills required to plan and manage the commissioning and post-commissioning activities associated with asset construction.

This unit applies to those working as construction managers and other managers responsible for the commissioning of new assets and their management post-commissioning.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work autonomously, managing staff, while performing sophisticated tasks in a range of familiar contexts.

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

Competency Field

Networks

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used,

essential outcomes	further information is detailed in the range of conditions section.
1. Plan for commissioning activities	1.1 Access and interpret organisational and/or contractual requirements and documentation for the post-construction commissioning of assets. 1.2 Develop a specified acceptance program. 1.3 Secure authorisation of the commissioning process from appropriate personnel. 1.4 Negotiate and communicate commissioning activities, process and schedule with relevant stakeholders.
2. Conduct commissioning activities	2.1 Schedule and conduct the defined commissioning program. 2.2 Conduct site inspections according to commissioning requirements. 2.3 Undertake a review of the construction or installation planning.
3. Conduct post-commissioning activities	3.1 Monitor and record asset performance. 3.2 Identify defects and make arrangements to rectify them. 3.3 Record required operational or maintenance schedules. 3.4 Finalise the asset register.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to NWP527B 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>

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Assessment Requirements for NWPNET034 Conduct commissioning and post-commissioning activities

Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages. Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- interpreting contractual specifications, job specifications and design plans
- reading and interpreting numerical data relating to asset performance
- making adjustments and alterations to designs
- planning and managing the commissioning and post-commissioning activities associated with asset construction
- interpreting complex documentation in order to prepare a commissioning plan and schedule
- developing an effective commissioning plan and schedule
- undertaking inspections and other commissioning activities to meet organisational requirements and reflect the specifications of the job
- undertaking post-commissioning activities
- managing the processes for addressing defects
- reporting outcomes

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- evaluation and investigation requirements
- reporting requirements
- characteristics, technical capabilities and limitations of relevant materials
- relevant legislation, policies and procedures

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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