



Australian Government

NWPCCO001 Analyse and implement network data

Release: 1

NWPCCO001 Analyse and implement network data

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 analyse and implement network data. It includes determining the scope of network data and analysing, verifying and documenting network data.

This unit applies to leaders in water organisations with responsibility for the management of network data.

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

Pre-requisite Unit

Not applicable.

Competency Field

Control Centre Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Determine scope of network data

PERFORMANCE CRITERIA

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

- 1.1** Determine network data requirements from work specifications
- 1.2** Determine security requirements for network data system to prevent unauthorised access

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| | 1.3 | Determine and obtain, as required, relevant equipment, software and testing devices |
| | 1.4 | Identify programming functions to produce network data according to operational procedures |
| | 1.5 | Provide programming support for relevant personnel |
| 2 Analyse and verify network data | 2.1 | Analyse data generated for accuracy according to work specifications |
| | 2.2 | Analyse existing network data output for relevance, accuracy and current trends |
| | 2.3 | Test and monitor network data output for accuracy |
| | 2.4 | Interrogate network data to identify current, historical and predicted information |
| | 2.5 | Use network data software tools to test and monitor programs and correct identified anomalies according to workplace procedures |
| 3 Document network data | 3.1 | Record and document network data programs according to workplace procedures |
| | 3.2 | Distribute network data generated to relevant personnel and industry bodies according to workplace procedures |
| | 3.3 | Complete reports and notify relevant personnel of network data results |

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 is a new unit. No equivalent unit.

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 NWPCCO001 Analyse and implement network data

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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:

- analysing and actioning data output
- determining and actioning security procedures to prevent unauthorised access to data
- distributing data generated by the network to relevant persons
- identifying programming needs and provide programming support to personnel
- obtaining relevant equipment, software and testing devices to keep integrity of data current
- testing data output for accuracy and quality assurance

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:

- analysis techniques
- data interrogation techniques
- data testing procedures
- problem solving techniques
- programming specifications

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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