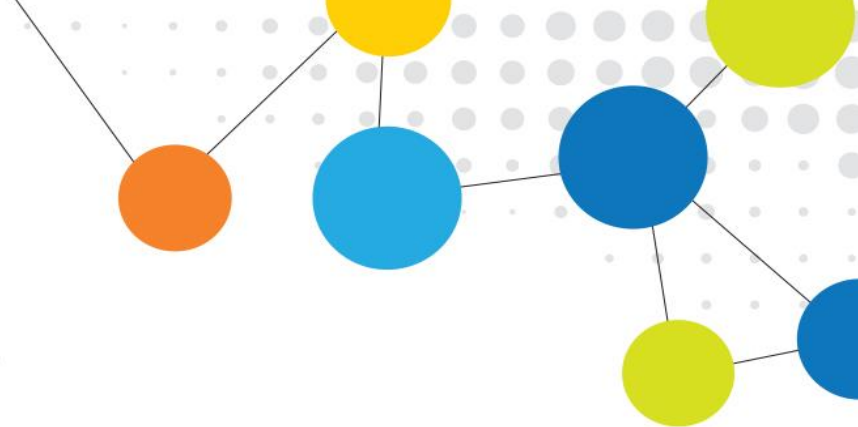




Australian  
Industry and  
Skills Committee



# NATIONAL WATER TRAINING PACKAGE RELEASE 5.0

Case for Endorsement

Name of allocated IRC: Water Industry Reference Committee  
Name of the SSO: Australian Industry Standards

## 1. Administrative details of the Case for Endorsement

Refer to **Attachment A** for the title and code for each of the training package components that are submitted for approval, and an indication of whether these are updated (including equivalence or non-equivalence status), new or deleted products

### 1.1 Case for Change details

This Case for Endorsement (CfE) encompasses Training Package development activities forecast in the 2020/21 Industry Outlook.

The Case for Change was **approved at the 19 August 2021 AISC meeting** and directed by the Commonwealth through Activity Orders: **AIS/TPD/2021-22/006 and AIS/TPD/2021-22/007**.

These projects were initiated by the National Water Industry Reference Committees (IRCs) who led the following projects:

- **Flood Site Operations**

The purpose of the project was to develop one new Unit of Competency and one new Skill Set to address specific skills for undertaking flood management and site operations due to the need for flood warning sites to be operated to a higher and more consistent standard.

- **Water Network Maintenance**

The original scope of the project was to create four new Units of Competency to address specific skills for maintaining and cleaning water networks, and for non-destructive investigation of water assets. With the ageing water assets across Australia there is an increased reliance of low-cost maintenance using non-destructive methods.

After the project started the industry Reference Committee (IRC) and Technical Advisory Committee (TAC) identified that an existing Unit of Competency could be updated to include the skills of one of the proposed new Units of Competency thus only three new Units of Competency were developed.

The IRC requested as part of the Network Maintenance project that two Units of Competency undergo a review based on feedback captured on the Issues Register. The two units in question are NWPNET020 and NWPNET035. Terminology was clarified, units updated with no change to outcomes and recoded.

### 1.2 Timeframes and delays

The projects were delivered in accordance with the agreed timeframe.

## 2. Changes to training products and how these will meet the needs of industry

Refer to **Attachment B** for information on how the proposed updates to qualifications will better support job roles in industry.

The new and updated Training Package products address skills and knowledge related to maintaining remote flood sites, cleaning water networks using various methods and using digital imaging equipment in the field. These draft materials will sit as general electives in the Certificate II and III in Water Industry Operations.

- **Flood Site Operations**

Currently flood events are monitored by many different agencies (councils, Bureau of Meteorology (BOM), rail and roads departments and contractors) but not all to the same standard.

A new Unit of Competency and a new Skill Set have been developed to address specific skills for undertaking flood management and the operation and maintenance of flood warning sites. These will enable workforce development and flood warning sites to be operated to a higher and more consistent standard.

The new Unit of Competency will be an elective in the Certificate III of Water Industry Operations.

- **Water Network Maintenance**

Water asset management has been significantly transformed in recent years.

With the ageing water assets across Australia there is an increased reliance of low-cost maintenance using non-destructive methods.

The adoption of high-pressure cleaning tools by the water industry now requires operators to be proficient in safely operating this equipment, and to clean and not contaminate network piping carrying drinking water.

Three new Units of Competency have been developed and three existing Units of Competency updated to address the skills and knowledge required to clean and maintain water assets, including use of new technologies to monitor and repair assets.

These Units of Competency will provide skills to enable quicker and lower cost maintenance, cleaning and identification of assets requiring repair to be made to Australia's water reticulation networks.

These Units of Competency will be included as general electives in the Certificate II and Certificate III in Water Industry Operations.

**In total, these projects have developed four Units of Competency and one Skill Set; and updated three Units of Competency. Two qualifications underwent updates.**

### 3. Stakeholder consultation strategy

Refer to **Attachment C** for:

- list of stakeholders that actively participated in consultation on the project
- summary feedback provided by stakeholder type and the IRCs response to this feedback
- summary of issues raised during stakeholder consultation and the IRCs response to these issues

#### 3.1 Identification of stakeholders

Australian Industry Standards (AIS), on behalf of the IRC, maintain a comprehensive stakeholder database. The IRC assisted with identifying stakeholders with experience and expertise in the specialist sectors. At the start of these projects, AIS opened expressions of interest for those wanting to participate on the TAC via email updates to general subscribers. AIS approached enterprises and stakeholders identified through forums, seminars and other various engagement activities. AIS also sought nominations from members of the IRC. The TAC comprised subject matter experts from industry, operations and transport regulators, unions and training providers. Most states and territories were represented in either the TAC or the IRCs in relation to these projects.

#### 3.2 Strategies for engaging stakeholders

Throughout the Training Package product development, AIS used the following communication strategies to consult with relevant stakeholders:

- Phone, video/teleconference meetings and emails to key water industry stakeholders
- IRC member communications to their relevant industry networks using various methods
- Establishment of a TAC from industry to validate the changes being made to the Training Package products
- Emails to State and Territory Training Authorities (STAs) and VET regulators
- Email alerts on project progress to stakeholders providing project information (registered subscribers to the NWP National Water Training Package)
- Formal feedback from multiple stakeholders representing enterprises, state and territory government bodies, training organisations and STAs.

TAC engagement activities started from January 2022 and finished in April 2022. Public consultation periods were:

##### **Flood Site Operations**

- 31 March 2022 – 2 May 2022
- 18 May 2022 - 01 June 2022

##### **Water Network Maintenance**

- 21 January 2022 – 22 February 2022
- 9 March 2022 – 24 March 2022

### 3.3 Participation by different types of stakeholders

Industry stakeholders represented in the TAC for these projects came from regional areas across states/territories and jurisdictions or represented their wider networks from these areas. These included operators of regional and national water networks.

## 4. Evidence of industry support

### 4.1 Industry support

Industry feedback and support was received during public consultations.

The letters of support attached confirm that the draft materials address the relevant skill and knowledge requirements to enable workforce development and facilitate career pathways. These letters of support have been received from industry operators.

The National Water IRC signed off on this CfE on 05 July 2022.

### 4.2 Engagement of States and Territories

All STAs were provided with draft products and advised of the opportunity to provide feedback on the CfE through the AIS website over the period 13– 28 July 2022. Relevant Industry Training Advisory Bodies (ITAB's) were consulted throughout the process.

All STAs (except ACT) provided written support for the CfE by 02 August 2022.

The following table shows the level of support following STA consultation:

State/Territory	Organisation	Response
Australian Capital Territory	Skills Canberra	No response.
New South Wales	Department of Education	I write on behalf of Marilyn NG, Manager Skills Policy. Thank you for the opportunity to comment on the Case for Endorsement for NWP Water Training Package – Flood Site Operations and Water Network Maintenance Projects. NSW support the case.
Northern Territory	Department of Industry, Tourism and Trade	The NT STA supports the Australian Industry Standards (AIS) in endorsing the development of the new training products under the NWP training package.
Queensland	Department of Employment, Small Business and Training	Thank you for the opportunity to review the Water Training Package, Case for Endorsement. I also apologise for the delay in getting back to you. Based on there being no known issues for Queensland, support is provided to progress to AISC for their consideration.
South Australia	Department for Innovation and Skills	Thank you for the opportunity to review the units and skill sets proposed in the Case for Endorsement - NWP Water TP. The SA STA supports this Case for Endorsement
Tasmania	Skills Tasmania	Thanks, and providing any issues raised by Tasmanian stakeholders have been addressed, Skills Tasmania supports the Case for Endorsement for the NWP Training Package (1) Water

		Network Maintenance and (2) Flood Site Operations projects and materials
Victoria	Department of Education and Training	<p>The Victorian STA notes the proposed revisions to the Certificates II and III in Water Industry Operations and the four (4) new and three (3) revised associated units of competency and supports the Case For Endorsement proceeding to the AISC for approval.</p> <p>Please note the following errors for amendment prior to AISC submission – not affecting support:</p> <ul style="list-style-type: none"> <li>• Inconsistency between Equity and Quality Reports – The Equity Report states that the Certificate III in Water Industry Operations meets the need for a pathway from school to VET via an SBAT or VETiS program while the Quality Report states that the qualifications are not suitable for VET in schools pathways.</li> <li>• Incorrect unit title in Certificate II – the title of the core unit BSBWHS211 should read Contribute to the health and safety of self and others</li> </ul>
Western Australia	Department of Training and Workforce Development	Based on the materials provided, the Western Australian State Training Authority supports the Case for Endorsement for the NWP Water Training Package Release 5.0.

### 4.3 Mitigation strategies

Key stakeholders are aware of the expected impacts of the Training Package changes. During public consultation periods, additional information was provided regarding which qualifications would contain the Units of Competency. Training providers were consulted to provide their input around these discussions.

Mapping attachments are included in this release to show what changes have been made to the reviewed Units of Competency.

### 4.4 Letters of industry support

Refer to **Attachment G** for the letters of support.

## 5. Dissenting views

### 5.1 Dissenting views/issues raised

There are no dissenting views raised at this time.

### 5.2 Rationale for approval

There are no dissenting views/issues raised at this time.

## 6. Reports by exception

There are no reports by exception raised at this time.

## 7. Mandatory Workplace Requirements

Refer to **Attachment D** for a list of the units of competency, the MWR, the rationale for this, and evidence of employer support for this requirement.

There are no Training Package products with mandatory workplace training or assessment requirements in this release.

## 8. Implementation of the new training packages

### 8.1 Implementation issues

- The Units of Competency and their assessment requirements specify delivery and assessment in the workplace or in a simulated workplace operational environment according to the demands of the work involved.
- The revised qualifications are deemed equivalent by the TAC and the IRC. This was also supported by stakeholders as the occupational outcomes remain the same.
- The NWP National Water Training Package qualifications may require reassessment by state and territory departments regarding funding arrangements.

### 8.2 Potential for traineeship or apprenticeships

- The qualifications and the associated Units of Competency included in this CfE may be used as the basis for a traineeship. This is dependent on factors such as funding agreements and availability in each state or territory.

### 8.3 Occupational and licensing requirements

- There are no licensing requirements for these materials.

### 8.4 Extension to transition period

Where the need for an extension to the transition period is identified for training products that are the subject of this Case for Endorsement, the SSO will apply to the relevant regulator for an extension to transition, to mitigate the identified impact on other training products, particular student cohorts or industry business needs

No extension to the transition period is requested, at this time.

## 9. Quality Assurance

The Case for Endorsement meets the following requirements:

Standards for Training Packages 2012	✓
Training Package Products Policy	✓
Training Package Development and Endorsement Process Policy	✓
Companion Volume Implementation Guide is available and quality assured.	✓

Copies of quality assurance reports are included in **Attachment F**.

## 10. Implementation of the Minister's priorities in training packages

Refer to **Attachment E** for information on no enrolment and low enrolment qualifications reviewed as part of this project, and the outcomes of this review (i.e. product proposed for deletion or retention). Attachment D also includes the rationale for retaining no and/or low enrolment products when this is the proposal.

Please include an explanation of how approval of the proposed training products will support the reform priorities for training packages agreed by skills ministers in November 2015 and October 2020:

Streamlining/rationalisation of training products	All products address the skill needs identified in the water sector. The new Units of Competency were included in NWP National Water Training Package existing qualifications because they support the skill development needs of occupations covered by these qualifications.
	In one case, instead of developing a new Unit of Competency an existing Unit of Competency was updated to add the required skill explicitly.
	The proposed revised qualifications, Units of Competency and Skill Set were specifically designed to address the skill needs for this project outlined in the CfE. All these products contain technologies and practices in the industry, which have not been addressed previously.
	This project will increase the net number of units by four.
Ensure that more information about industry's expectations of training delivery is available to training providers to improve their delivery and to consumers to enable	Throughout the revision of the qualifications, Units of Competency and Skill Set, industry's expectation was to ensure flexible delivery was available to enable all industry sub-sectors to utilise the qualifications and Units of Competency.



more informed course choices	
Ensure the training system better supports individuals to move more easily between related occupations	It is expected that the outcomes delivered will address industry job role expectations and compliance with regulatory requirements.
<p>Improve the efficiency of the training system by creating units that can be owned and used by multiple industry sectors</p> <p>Foster greater recognition of skill sets and work with industry to support their implementation</p>	<p>The newly developed Units of Competency are not restricted for use by only water industry workers.</p> <p>Units identified for gap training have been housed in Skill Sets. The Companion Volume Implementation Guide (CVIG) describes additional requirements applicable to the learner's characteristics and describes industry's expectations for training delivery.</p>
<b>11. A link to the full content of the proposed training package component(s)</b>	
<p>The AISC should be provided with a link to the full, developed training package component(s) to be approved under the Case for Endorsement.</p> <p>A link to the training package components proposed for endorsement is included here.</p>	

This Case for Endorsement was agreed to by the Water IRC

Name of Chair

George Wall

Signature of Chair



Date

5 July 2022

## Attachment A: Training products submitted for approval

Please set out in the table below, the training products submitted for approval, including showing whether this is an updated, new or deleted product.

Training Product Name	Type	For existing products, equivalence/non-equivalence status	For updated products, rationale for equivalence/non-equivalence status
Qualifications			
NWP20122 Certificate II in Water Industry Operations	<b>Updated</b>	Equivalent	Updated imported units with new codes. Removed 1 unit. Added 3 new units to general electives.
NWP30222 Certificate III in Water Industry Operations	<b>Updated</b>	Equivalent	Updated imported units with new codes. Added 4 new units to general electives.
Units of Competency			
NWPNET061 Maintain and repair network assets for drinking water	<b>Updated</b>	Equivalent	PCs, PE and KE changed. Vocational outcome not changed.
NWPNET064 Control electrical risk on network pipes	<b>Updated</b>	Equivalent	Title, PCs, PE and KE terminology changed for clarity. Vocational outcome not changed.

NWPNET065 Perform odour and infiltration investigations	<b>Updated</b>	Equivalent	PCs changed and terminology changed for clarity. Vocational outcome not changed.
NWPGEN034 Operate and maintain flood warning sites	<b>New</b>		
NWPNET060 Clean networks using air scouring, chemical or swabbing techniques	<b>New</b>		
NWPNET062 Maintain network assets using high pressure water systems	<b>New</b>		
NWPNET063 Use digital imaging equipment in the field	<b>New</b>		
<b>Skill Sets</b>			
NWPSS00015 Flood Warning Site Operators Skill Set	<b>New</b>		

## Attachment B: How qualification updates support job roles

Please use the table below to demonstrate how the proposed updates to qualifications will better support job roles

Job role	Qualification	Proposed updates and how these better support the job role
Water Industry Operator – Entry level	NWP20122 Certificate II in Water Industry Operations	Unit NWPNET061 was updated to include “flushing water mains” skills, a required task for pipe repairs for network operators that was previously silent in this unit.
Water Industry Operator – Operator level	NWP30222 Certificate III in Water Industry Operations	<p>Unit NWPGEN034 was created to fill a skills gap for operating and maintaining warning systems for flood sites – this skill previously did not exist but was identified in an inquiry as a part cause of flooding in QLD.</p> <p>Unit NWPNET060 was developed to fill a skills gap for cleaning networks using various methods other than flushing.</p> <p>Unit NWPNET062 was developed to fill a skills gap for maintaining network assets using high pressure water systems. There was a unit in another Training Package, but it could not be contextualised for water industry operator usage.</p> <p>Unit NWPNET063 was developed to fill a skills gap for network asset maintenance workers to investigate maintenance issues in the field and provide a report to relevant workers to complete the required maintenance.</p>

## Attachment C: Stakeholder consultation

### List of stakeholders that actively participated in stakeholder consultation for the project:

Name	Organisation	Title	Industry	Representation Type	State
Bernard Maude	Qteq	WHS Advisor	Disaster Management	Employer	QLD
David Green	Veolia Australia and New Zealand	Operations Manager - Network Services, O&M	Water Industry	Employer	QLD
Gerard Farhi	Water Corporation	Senior Training Advisor	Water Industry	Employer	WA
Graham Thomson	Water Training Australia	Water and Wastewater Reticulation Specialist	Water Industry	RTO	VIC
Jason Cocker	Mackay Regional Council	Manager Water Network	Water and Sewer	Employer	QLD
Jason Deans	Logan City Council	Wastewater Maintenance Supervisor	Wastewater Industry	Employer	QLD
John Gardiner	Pipeline Training	Head Trainer	Water and Sewer	Employer	NSW
John Skinner	Australian Hydrographers Association	??	Water Industry	Consultant	NSW
Kimberley Kerby	Simmonds and Bristow	Water trainer	Training	RTO	QLD
Leigh Walton	TasWater	Area Manager NW Central	Water Industry	Employer	TAS
Neil Hooley	Water Corporation		Water Industry	Employer	WA
Neville Whittaker	Water Training Australia	Trainer	Training	RTO	VIC
Richard Scott	TAFE SA	Lecturer Water Operations	Training	RTO	SA

Suzie Hounsham	WA STA	Senior Program Officer	Government	STA	WA
Teresa Signorello	Holmesglen	CMM - Building Industries		CMM	Vic
Trevor Stephen	Water Corporation	Technical Trainer in Networks	Water Industry	Employer	WA

#### Summary of Feedback by Stakeholder type:

Stakeholder Type	Key Feedback Points	Actions Taken to Address Feedback
<b>Industry Reference Committee (IRC) Representatives</b>	<ul style="list-style-type: none"> <li>Materials are fit for purpose.</li> </ul>	Nil
<b>Peak Industry Bodies</b>	<ul style="list-style-type: none"> <li>No feedback received from Peak Industry Bodies.</li> </ul>	
<b>Employers (Non-IRC)</b>	<ul style="list-style-type: none"> <li>Items suggested to strengthen performance and knowledge evidence.</li> </ul>	Added suggested items to assessment.
<b>Regulators</b>	<ul style="list-style-type: none"> <li>No feedback received from Regulators.</li> </ul>	
<b>Registered Training Organisations (RTOs)</b>	<ul style="list-style-type: none"> <li>Changes to existing units could easily be added to current assessment mapping matrix and will not cause any concern to trainers or learners.</li> </ul>	Nil
<b>Training Boards/Other</b>	<ul style="list-style-type: none"> <li>No feedback received from Training Boards.</li> </ul>	
<b>State and Territory Training Authorities (STAs)</b>	<ul style="list-style-type: none"> <li>Feedback on non-compliant performance criteria (2 items).</li> <li>Inconsistency between Equity and Quality Reports – The Equity Report states that the Certificate III in Water Industry Operations meets the need for a pathway from school</li> </ul>	<ul style="list-style-type: none"> <li>Performance criteria rewritten to ensure compliance with training standards.</li> <li>One is referring to the qualification (it is appropriate as a pathway from school) and the other is referring to the highly specialised units (that would most likely not be part of a pathway from school).</li> </ul>

	<p>to VET via an SBAT or VETiS program while the Quality Report states that the qualifications are not suitable for VET in schools pathways.</p> <ul style="list-style-type: none"> <li>• Incorrect unit title in Certificate II – the title of the core unit BSBWHS211 should read Contribute to the health and safety of self and others</li> </ul>	<ul style="list-style-type: none"> <li>• Incorrect title has been fixed.</li> </ul>
<b>Unions</b>	<ul style="list-style-type: none"> <li>• No feedback received from Unions.</li> </ul>	
<b>Please add other categories as appropriate</b>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	

#### Summary of Issues raised during stakeholder consultation

<b>Issue raised</b>	<b>Key Feedback Points</b>	<b>Actions Taken to Address Feedback</b>
<b>No issues raised.</b>	<ul style="list-style-type: none"> <li>• Nil</li> </ul>	Nil

## Attachment D: Mandatory Workplace Requirements in Training Products

Please set out in the table below training products which include a mandatory workplace requirement (i.e. which must be completed in a workplace)

<b>Code/title</b>	<b>Description of the Requirement (e.g. work placement, assessment requirement)</b>	<b>Rationale for Inclusion</b>	<b>Evidence of employer support</b>
Nil			



## Attachment E: No enrolment and low enrolment training products

### No Enrolment:

Please set out in the table below those training products that have had no enrolments over the past three years for which data is available

Units of Competency		
Name of Unit/Unit Code	Proposed for retention/deletion	Rationale for Retention
N/A		
Qualifications		
Name of Qualification/ Qualification Code	Proposed for retention/deletion	Rationale for Retention
N/A		

### Low Enrolment:

Please set out in the table below those training products that have had low enrolments over the past three years for which data is available<sup>1</sup>

Units of Competency		
Name of Unit/Unit Code	Proposed for retention/deletion	Rationale for Retention
N/A		
Qualifications		
Name of Qualification/ Qualification Code	Proposed for retention/deletion	Rationale for Retention
N/A		

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<sup>1</sup> Low enrolment training products are qualifications or units of competency that have had less than 42 enrolments in each of the past three years (*this is the maximum no. of enrolments for the bottom 25% of qualifications based on average enrolments over 2016 - 2018*)

## Training Package Quality Assurance

### Attachment F: Quality assurance reports

- Independent Quality Report
- Editorial and Equity Report

### Editorial Report Template

1. Cover page									
Information required	Detail								
Training Package title and code	<b>NWP National Water Training Package (Release 5.0)</b>								
Number of new qualifications and their titles <sup>1</sup>	<b>NA</b>								
Number of revised qualifications and their titles	<p><b>Two (2) revised qualifications:</b></p> <table border="1"> <tr> <td>NWP20122</td> <td>Certificate II in Water Industry Operations</td> </tr> <tr> <td>NWP30222</td> <td>Certificate III in Water Industry Operations</td> </tr> </table>	NWP20122	Certificate II in Water Industry Operations	NWP30222	Certificate III in Water Industry Operations				
NWP20122	Certificate II in Water Industry Operations								
NWP30222	Certificate III in Water Industry Operations								
Number of new units of competency and their titles	<p><b>Four (4) new units of competency:</b></p> <table border="1"> <tr> <td>NWPGEN034</td> <td>Operate and maintain flood warning sites</td> </tr> <tr> <td>NWPNET060</td> <td>Clean networks using air scouring, chemical or swabbing techniques</td> </tr> <tr> <td>NWPNET062</td> <td>Maintain network assets using high pressure water systems</td> </tr> <tr> <td>NWPNET063</td> <td>Use digital imaging equipment in the field</td> </tr> </table>	NWPGEN034	Operate and maintain flood warning sites	NWPNET060	Clean networks using air scouring, chemical or swabbing techniques	NWPNET062	Maintain network assets using high pressure water systems	NWPNET063	Use digital imaging equipment in the field
NWPGEN034	Operate and maintain flood warning sites								
NWPNET060	Clean networks using air scouring, chemical or swabbing techniques								
NWPNET062	Maintain network assets using high pressure water systems								
NWPNET063	Use digital imaging equipment in the field								
Number of revised units of competency and their titles	<p><b>Three (3) revised units of competency:</b></p> <table border="1"> <tr> <td>NWPNET061</td> <td>Maintain and repair network assets for drinking water</td> </tr> <tr> <td>NWPNET064</td> <td>Control electrical risk on network pipes</td> </tr> <tr> <td>NWPNET065</td> <td>Perform odour and infiltration investigations</td> </tr> </table>	NWPNET061	Maintain and repair network assets for drinking water	NWPNET064	Control electrical risk on network pipes	NWPNET065	Perform odour and infiltration investigations		
NWPNET061	Maintain and repair network assets for drinking water								
NWPNET064	Control electrical risk on network pipes								
NWPNET065	Perform odour and infiltration investigations								
Confirmation that the draft training package components are publication-ready	The draft Training Package components will be publication ready once uploaded onto training.gov.au								

<sup>1</sup> When the number of training products is high the titles can be presented as an attachment.

## Training Package Quality Assurance

Is the Editorial Report prepared by a member of the Quality Assurance Panel? If 'yes' please provide a name.	Yes. Trish Gamper (Gamper Consulting Services)
Date of completion of the report	6 July 2022

### 2. Content and structure

#### Units of competency

Editorial requirements	Comments
Standard 5: <ul style="list-style-type: none"> <li>The structure of units of competency complies with the unit of competency template.</li> </ul>	The structure of the units of competency complies with the unit of competency template and contains all necessary requirements.
Standard 7: <ul style="list-style-type: none"> <li>The structure of assessment requirements complies with the assessment requirements template.</li> </ul>	The structure of the assessment requirements complies with the assessment requirements template. Performance and knowledge evidence contain adequate frequency and/or volume of evidence required and the assessment conditions outline mandatory conditions for assessment and details relevant equipment and resources required.

#### Qualifications

Editorial requirements	Comments by the editor
Standard 9: <ul style="list-style-type: none"> <li>The structure of the information for qualifications complies with the qualification template.</li> </ul>	The structure of the revised qualifications complies with the qualification template.
Standard 10: <ul style="list-style-type: none"> <li>Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format that complies with the credit arrangements template.</li> </ul>	No credit arrangements currently exist between the NWP National Water Training Package qualifications and higher education qualifications.

#### Companion Volumes

Editorial requirements	Comments by the editor
Standard 11: <ul style="list-style-type: none"> <li>A quality assured companion volume implementation guide is available and complies with the companion volume implementation guide template.</li> </ul>	Australian Industry Standards (AIS) provided a Companion Volume Implementation Guide (CVIG) for editing which complies with the CVIG template. The CVIG has been quality assured in accordance with AIS internal processes.

## Training Package Quality Assurance

3. Proofreading	
Editorial requirements	Comments by the editor
<ul style="list-style-type: none"> <li>• <b>Unit codes and titles</b> and <b>qualification codes and titles</b> are accurately cross-referenced throughout the training package product(s) including mapping information and packaging rules, and in the companion volume implementation guide.</li> </ul>	<p>Unit and qualification codes and titles were cross-referenced throughout the draft components, including packaging rules, CVIG, mapping documents and the Case for Endorsement. Minor corrections were made, where necessary.</p>
<ul style="list-style-type: none"> <li>• Units of competency and their <b>content</b> are <b>presented in full</b>.</li> </ul>	<p>The units of competency were provided in full.</p>
<ul style="list-style-type: none"> <li>• The author of the Editorial Report is satisfied with the quality of the training products, specifically with regard to:               <ul style="list-style-type: none"> <li>○ absence of spelling, grammatical and typing mistakes</li> <li>○ consistency of language and formatting</li> <li>○ logical structure and presentation of the document.</li> <li>○ compliance with the required templates</li> </ul> </li> </ul>	<p>The qualification and units of competency were reviewed for:</p> <ul style="list-style-type: none"> <li>• spelling, grammatical and typing errors</li> <li>• consistency of language and formatting</li> <li>• structure and presentation</li> <li>• compliance with required templates.</li> </ul> <p>Edits/queries were marked up using track changes and forwarded to AIS before a final review of the units of competency and the qualifications.</p> <p>I am satisfied with the quality of the Training Package component with regard to the above points.</p>

## Training Package Quality Assurance

### Equity Report Template

#### Section 1 – Cover page

Information required	Detail
Training Package title and code	NWP – National Water Training Package
Number of new qualifications and their titles <sup>1</sup>	No new qualifications
Number of revised qualifications and their titles	Two (2) reviewed qualifications: <ul style="list-style-type: none"> <li>• NWP20122 Certificate II in Water Industry Operations</li> <li>• NWP30222 Certificate III in Water Industry Operations</li> </ul>
Number of new units of competency and their titles	Four (4) new units: <ul style="list-style-type: none"> <li>• NWPNET063 Use digital imaging equipment in the field</li> <li>• NWPNET062 Maintain network assets using high pressure water systems</li> <li>• NWPNET060 Clean networks using air scouring, chemical or swabbing techniques</li> <li>• NWPGEN034 Operate and maintain flood warning sites</li> </ul>
Number of revised units of competency and their titles	Three (3) revised unit of competency: <ul style="list-style-type: none"> <li>• NWPNET065 Perform odour and infiltration investigations</li> <li>• NWPNET064 Control electrical risk on network pipes</li> <li>• NWPNET061 Maintain and repair network assets for drinking water</li> </ul>
Confirmation that the draft training package components meet the requirements in Section 2 Equity checklist of draft training package components	<b>Yes</b>
Is the Equity Report prepared by a member of the Quality Assurance Panel? If 'yes' please provide the name.	No
Date of completion of the report	<b>28 June 2022</b>

<sup>1</sup> When the number of training products is high the titles can be presented as an attached list.

## Training Package Quality Assurance

### Section 2 – Equity checklist of draft training package components

Equity requirements	Equity reviewer comments
<p>The training package component(s) comply with Standard 2 of the Standards for Training Packages 2012. The standard requires compliance with the Training Package Products Policy, specifically with the access and equity requirements:</p> <ul style="list-style-type: none"> <li>• Training Package developers must meet their obligations under Commonwealth anti-discrimination legislation and associated standards and regulations.</li> <li>• Training Package developers must ensure that Training Packages are flexible and that they provide guidance and recommendations to enable reasonable adjustments in implementation.</li> </ul>	<p>Provide brief commentary on whether the draft endorsed components meet each of the equity requirements</p> <p>The draft training package components comply with the Training Package Products Policy and associated equity requirements.</p>

### Section 3 - Training Package Quality Principles

#### Quality Principle 4

Be **flexible** to meet the diversity of individual and employer needs, including the capacity to adapt to changing job roles and workplaces.

#### Key features

Do the units of competency meet the diversity of individual and employer needs and support equitable access and progression of learners?

What evidence demonstrates that the units of competency and their associated assessment requirements are clearly written and have consistent breadth and depth so that they support implementation across a range of settings?

Are there other examples that demonstrate how the key features of flexibility are being achieved?

Equity requirements	Equity reviewer comments
<p>1. What evidence demonstrates that the draft components provide flexible qualifications/units of competency that enable application in different contexts?</p>	<p>The following draft components were reviewed:</p> <ul style="list-style-type: none"> <li>• NWP20122 Certificate II in Water Industry Operations</li> <li>• NWP30222 Certificate III in Water Industry Operations</li> <li>• NWPNET065 Perform odour and infiltration investigations</li> <li>• NWPNET064 Control electrical risk on network pipes</li> <li>• NWPNET063 Use digital imaging equipment in the field</li> <li>• NWPNET062 Maintain network assets using high pressure water systems</li> <li>• NWPNET061 Maintain and repair network assets for drinking water</li> <li>• NWPNET060 Clean networks using air scouring, chemical or swabbing techniques</li> <li>• NWPGEN034 Operate and maintain flood warning sites</li> </ul> <p><b>Qualifications</b></p>

## Training Package Quality Assurance

Equity requirements	Equity reviewer comments
	<p>The reviewed qualifications are structured using a core and elective model. Units can be selected to develop specialised industry skills which facilitates flexibility of choice.</p> <p>This includes the ability to select and contextualise units from other NWP qualifications and training packages.</p> <p>Flexibility of choice also provides individuals and employers with access to a wide range of skills to support:</p> <ul style="list-style-type: none"> <li>• changing conditions in the workplace</li> <li>• differences in workplace practices, and</li> <li>• changes in job roles.</li> </ul> <p><b>Units</b></p> <p>The reviewed units contribute to the achievement of vocational outcomes which meet individual needs, job roles and workplace requirements.</p> <p>Units are written clearly, in plain English including assessment conditions and have been developed to support implementation across a range of industry settings.</p> <p><b>Reasonable adjustment</b></p> <p>The Companion Volume Implementation Guide (CVIG) provides advice on reasonable adjustments.</p>
<p>2. Is there evidence of multiple entry and exit points?</p>	<p>Individuals and workplaces can access these training package products as discrete units and can achieve a statement of attainment.</p>
<p>3. Have prerequisite units of competency been minimised where possible?</p>	<p><b>Qualification</b></p> <p>Specific general elective units have pre-requisites and their use has been minimised across the qualification.</p> <p>Pre-requisite units have been included to address health safety regulations and requirements for specific workplace conditions:</p> <ul style="list-style-type: none"> <li>• power supply systems in remote areas, electrical work required for constructing and installing water distribution assets, disinfection of liquefied chlorine gas and removal of non-friable asbestos.</li> </ul> <p><b>Units</b></p> <p>The reviewed new units do not have prerequisites (also see question 2).</p>
<p>4. Are there other examples of evidence that demonstrate how the key features of the flexibility principle are being achieved?</p>	<p><b>Qualification and units</b></p> <p>Unit selection in NWP20122 Certificate II in Water Industry Operations allows workplaces and individuals to develop skills in the sector of the industry that were previously unavailable.</p> <p>This includes developing skills and knowledge in maintenance and repair of water network assets and using technology to do this.</p> <p>Units also allow workplaces and individuals to develop skills and knowledge which can be applied across a range of industry settings and workplace conditions.</p> <p>An example:</p> <p>NWPNET061 Maintain and repair network assets for drinking water:</p>

## Training Package Quality Assurance

Equity requirements	Equity reviewer comments
	<ul style="list-style-type: none"> <li>facilitates the development of skills and knowledge to maintain and repair networks which can be applied across a variety of water distribution assets including, pumping stations, dosing stations, water storage and pipelines</li> </ul> <p>NWPNET063 Use digital imaging equipment in the field:</p> <ul style="list-style-type: none"> <li>facilitates the development of skills and knowledge to use technology to investigate infrastructure failures of networks across a variety of water distribution assets</li> <li>allows the individual and the workplace to contextualise the units to meet organisational requirements for specific water distribution assets</li> </ul> <p>NWPGEN034 Operate and maintain flood warning sites:</p> <ul style="list-style-type: none"> <li>facilitates the development of skills and knowledge to maintain and operate flood warning sites which can be applied to different on-site conditions including differences in water levels, equipment and workplace policies and procedures.</li> </ul> <p>This also supports individual progression and development of skills across the water industry (also see quality principle 5 &amp; 6).</p>

### Quality Principle 5

Facilitate **recognition** of an individual's skills and knowledge and support movement between the school, vocational education and higher education sectors.

Key features

Support learner transition between education sectors.

Equity requirements	Equity reviewer comments
<p>1. What evidence demonstrates pathways from entry and preparatory level as appropriate to facilitate movement between schools and VET, from entry level into work, and between VET and higher education qualifications?</p>	<p><b>Pathways Movement</b></p> <p>The nature of work within specialised job roles for flood site operations prevents a direct pathway from school to vocational education either through a School-Based Traineeship or VET in schools' program.</p> <p>More generic NWP qualifications meet this need, including NWP20122 Certificate II in Water Industry Operations which has been identified by industry as being:</p> <ul style="list-style-type: none"> <li>a level entry qualification for water industry operations operating under supervision</li> <li>suitable for VET in Schools programs and,</li> <li>a nominated entry point for VET in Schools students to create a career pathway in water networks.</li> </ul> <p>The reviewed qualifications do not articulate directly into higher education qualifications (also see quality principle 6).</p>

### Quality Principle 6

Support interpretation by training providers and others through the use of simple, concise language and clear articulation of assessment requirements.



## Training Package Quality Assurance

### Key features

Support implementation across a range of settings and support sound assessment practices.

Equity requirements	Equity reviewer comments
<p>1. Does the Companion Volume Implementation Guide include advice about:</p> <ul style="list-style-type: none"> <li>• Pathways</li> <li>• Access and equity</li> <li>• Foundation skills?</li> </ul> <p>(see Training Package Standard 11)</p>	<p>The Companion Volume Implementation Guide (CVIG) has been reviewed. It includes information on:</p> <ul style="list-style-type: none"> <li>• Pathways</li> <li>• Access and Equity</li> <li>• Foundation Skills</li> </ul> <p>The CVIG includes Pathway Models which allows a person to clearly identify the qualification pathway relevant to sectors within the water industry including:</p> <ul style="list-style-type: none"> <li>• water networks, wastewater, trade waste, drinking water treatment, irrigation, dams, catchments, hydrometric monitoring, and industry operations.</li> </ul>
<p>2. Are the foundation skills explicit and recognisable within the training package and do they reflect and not exceed the foundation skills required in the workplace?</p>	<p>Relevant foundation skills are recognisable in the training package. They are embedded into the units, are appropriate for the job roles and reflect complexity of job tasks.</p> <p>The Companion Volume Implementation Guide (CVIG) provides advice on the foundation skills and their implementation in the NWP training package.</p>

### Appendix A: Preparation of Equity Report Information for the SSO

<p>- <sup>1</sup> Person that is not a member of the Training Package Quality Assurance Panel is required to provide to the SSO information demonstrating experience in analysis of equity issues in the training or educational context; demonstrated understanding of vocational education and training; and details of relevant qualifications and/or professional memberships.</p>	<p><b>Anna Jerrems - Industry Skills Specialist, Australian Industry Standards</b></p> <p>SSO has been provided with detailed resume.</p> <p>Experience and qualifications relevant to the review of the NWP training package is as follows:</p> <p><b>Experience</b></p> <ul style="list-style-type: none"> <li>• Currently employed as an Industry Skills Specialist with Australian Industry Standards (SSO)</li> <li>• Over 25 years' experience in the development of training and assessment strategies, training programs, assessment tools and auditing (internal and external) for national training packages and state accredited qualifications</li> <li>• Compliance activities for Registered Training Organisations including training programs designed for environmental management.</li> </ul> <p><b>Qualifications and workshops</b></p> <p>Qualifications</p> <ul style="list-style-type: none"> <li>• TAELN411 Address adult language, literacy, and numeracy</li> <li>• TAE40110 Certificate IV in Training and Assessment</li> <li>• Lead Auditor training and quality systems</li> <li>• ISO9000 Auditor</li> <li>• Graduate Certificate in Quality Management</li> <li>• Bachelor of Education (Secondary Arts)</li> <li>• Master of Education (International Policy)</li> </ul>
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## Training Package Quality Assurance

	<p>Workshops</p> <ul style="list-style-type: none"><li>• Equity report writing (AIS)</li><li>• Writing skills for training packages (AIS)</li><li>• Equity and access</li><li>• Literacy and numeracy</li><li>• Languages other than English</li><li>• Disabilities</li><li>• Australian Core Skills Framework (ACSF)</li></ul> <p>Working groups</p> <ul style="list-style-type: none"><li>• Australian Qualifications Framework (AQF)</li></ul>
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## Training Package Quality Assurance

### Quality Report Template

#### Section 1 – Cover page

Information required	Detail
Training Package title and code	NWP – National Water Training Package
Number of new qualifications and their titles 1	No new qualifications
Number of revised qualifications and their titles	Two (2) reviewed qualifications: <ul style="list-style-type: none"> <li>• NWP20122 Certificate II in Water Industry Operations</li> <li>• NWP30222 Certificate III in Water Industry Operations</li> </ul>
Number of new units of competency and their titles	Four (4) new units: <ul style="list-style-type: none"> <li>• NWPGEN034 Operate and maintain flood warning sites</li> <li>• NWPNET063 Use digital imaging equipment in the field</li> <li>• NWPNET062 Maintain network assets using high pressure water systems</li> <li>• NWPNET060 Clean networks using air scouring, chemical or swabbing techniques</li> </ul>
Number of revised units of competency and their titles	Three (3) revised units of competency: <ul style="list-style-type: none"> <li>• NWPNET061 Maintain and repair network assets for drinking water</li> <li>• NWPNET064 Control electrical risk on network pipes</li> <li>• NWPNET065 Perform odour and infiltration investigations</li> </ul>
Confirmation that the panel member is independent of: <ul style="list-style-type: none"> <li>• the Training Package or Training Package components review ('Yes' or 'No')</li> <li>• development and/or validation activities associated with the Case for Endorsement ('Yes' or 'No')</li> <li>• undertaking the Equity and/or Editorial Reports for the training package products that are the subject of this quality report ('Yes' or 'No')</li> </ul>	I confirm through affirmation:  Yes  Yes  Yes
Confirmation of the Training Packages or components thereof being compliant with the Standards for Training Packages 2012	These Training Package components are compliant with the Standards for Training Packages 2012.
Confirmation of the Training Packages or components thereof being compliant with the Training Package Products Policy	This Training Package and its component parts are compliant with the Training Package Products Policy.

## Training Package Quality Assurance

Information required	Detail
Confirmation of the Training Packages or components thereof being compliant with the Training Package Development and Endorsement Process Policy	These Training Package components are compliant with the Training Package Development and Endorsement Process Policy.
Panel member's view about whether: <ul style="list-style-type: none"> <li>• the evidence of consultation and validation process being fit for purpose and commensurate with the scope</li> <li>• estimated impact of the proposed changes is sufficient and convincing</li> </ul>	<p>As evidenced by the Case for Endorsement (CfE), and the associated appendices, consultation was sufficient and specific to the project. The Technical Advisory Committee was nationally representative of a broad cross-section of stakeholders.</p> <p>The CfE convincingly outlines the reasons for the revision of the unit and associated qualifications revision in the NWP Training Package. The impact of these additions is also clear.</p> <p>There are no exception reports to the consultation findings and the level of industry support is evident by the volume of participation and the status of those involved in the consultation process.</p>
Name of panel member completing Quality Report	Terry Smith
Date of completion of the Quality Report	11 <sup>th</sup> July 2022

### Section 2 – Compliance with the Standards for Training Packages 2012

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
Standard 1  Training Packages consist of the following: 1. AISC endorsed components: <ul style="list-style-type: none"> <li>• qualifications</li> <li>• units of competency</li> <li>• assessment requirements (associated with each unit of competency)</li> <li>• credit arrangements</li> </ul> 2. One or more quality assured companion volumes (CVIG)	<b>Yes</b>	I confirm that: <ul style="list-style-type: none"> <li>• the qualification</li> <li>• units of competency</li> <li>• assessment requirements (associated with each unit of competency) and</li> <li>• the NWP Training Package CVIG</li> </ul> are all evident, compliant, and suitable.
Standard 2  Training Package developers comply with the Training Package Products Policy	<b>Yes</b>	The Training Package developers have complied with the Training Package Products Policy. All conditions have been met.

## Training Package Quality Assurance

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
Standard 3  Training Package developers comply with the AISC Training Package Development and Endorsement Process Policy	<b>Yes</b>	The Training Package developers have complied with the AISC Training Package Development and Endorsement Process Policy in all aspects: consultation; development; and compliance.
Standard 4  Units of competency specify the standards of performance required in the workplace	<b>Yes</b>	<p>The standards of performance required in the workplace are specified in the units of competency. They are clearly written in plain English.</p> <p>The standard of performance and associated benchmarks are evident.</p> <p>The elements and associated performance criteria are clear and logically sequenced.</p> <p>The units are well structured and easy to understand and apply.</p>
Standard 5  The structure of units of competency complies with the unit of competency template	<b>Yes</b>	<p>The structure meets the specified template requirements.</p> <p>I note the equity and editorial reports and concur overall with their findings.</p> <p>In reviewing I can confirm that the Foundation Skills are explicit and embedded in the performance criteria throughout all units. This was proven through analysis against the ASQA resource Trigger Words for Foundation Skills.</p> <p>The unit titles are correct and unit applications are clear, including provision of context.</p>
Standard 6  Assessment requirements specify the evidence and required conditions for assessment	<b>Yes</b>	<p>Assessment requirements are clear as are the conditions for assessment.</p> <p>Performance evidence is specifically related to performance and is a clear and concise summary of unit performance requirements.</p> <p>Knowledge evidence is clearly related and specifically linked to the performance criteria of the units. All components are clear, readily understandable, and logical.</p>
Standard 7  Every unit of competency has associated assessment requirements. The structure of assessment requirements complies with the assessment requirements template	<b>Yes</b>	<p>All units have associated assessment requirements.</p> <p>The assessment requirements comply with the relevant and specified template.</p>

## Training Package Quality Assurance

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
Standard 8 Qualifications comply with the Australian Qualifications Framework specification for that qualification type	Yes	The new qualification is compliant with the Australian Qualifications Framework specifications for the qualification type.
Standard 9 The structure of the information for the Australian Qualifications Framework qualification complies with the qualification template	Yes	The structure of the information is compliant.
Standard 10 Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format that complies with the credit arrangements template	N/A	There is no change to existing credit arrangement status.
Standard 11 A quality assured companion volume implementation guide produced by the Training Package developer is available at the time of endorsement and complies with the companion volume implementation guide template.	Yes	A Companion Volume Implementation Guide (CVIG) exists and provides clear and useful information. It also includes clear guidance on the context of the range of job role environment applications in appendix form and has useful advice for implementers and educators.
Standard 12 Training Package developers produce other quality assured companion volumes to meet the needs of their stakeholders as required.	Yes	The NWP CVIG is complemented by appendices providing supplementary information. This also makes the information easier to access.

### Section 3 – Compliance with the training package quality principles

Note: not all training package quality principles might be applicable to every training package or its components. Please provide a supporting statement/evidence of compliance or non-compliance against each principle.

#### Quality principle 1. Reflect identified workforce outcomes

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance/non-compliance with the quality principle
Driven by industry's needs	Yes	Please see examples of evidence in the Training Package Development and Endorsement Process Policy  The products developed were driven by the need for:

## Training Package Quality Assurance

		<ul style="list-style-type: none"> <li>• flood warning sites to be operated to a higher and more consistent standard</li> <li>• four new Units of Competency to address specific skills for maintaining and cleaning water networks</li> <li>• non-destructive investigation of water assets given the ageing water assets across Australia</li> <li>• arising from the Network Maintenance project that two Units of Competency undergo a review based on feedback captured on the Issues Register.</li> </ul> <p>The new and revised units and associated revised qualifications appear to meet industry requirements and comprehensively cover specific competency requirements.</p> <p>The consultation and development associated with the development of these units ensures that their development has been driven by industry's needs and expectations.</p>
<p>Compliant and responds to government policy initiatives</p> <p>Training package component responds to the COAG Industry and Skills Council's (CISC) training package-related initiatives or directions, in particular the 2015 training package reforms. Please specify which of the following CISC reforms are relevant to the training product and identify supporting evidence:</p> <ul style="list-style-type: none"> <li>• ensure obsolete and superfluous qualifications are removed from the system</li> <li>• ensure that more information about industry's expectations of training delivery is available to training providers to improve their delivery and to consumers to enable more informed course choices</li> <li>• ensure that the training system better supports individuals to move easily from one related occupation to another</li> <li>• improve the efficiency of the training system by creating units that can be owned and</li> </ul>	<p>Yes</p>	<p>The project meets 2015 reforms and directions.</p> <p>The CVIG contains detailed information about industry's expectations of training delivery. The CVIG is readily available, in a useable style, to training providers to inform their delivery and to consumers to enable more informed course choices.</p>

## Training Package Quality Assurance

<p>used by multiple industry sectors</p> <ul style="list-style-type: none"> <li>• foster greater recognition of skill sets</li> </ul>		
<p>Reflect contemporary work organisation and job profiles incorporating a future orientation</p>	Yes	<p>The units are future oriented and take account of current processes and techniques. Nothing in the language excludes future application.</p> <p>The CVIG also provides critical information on job/role environment contexts.</p>

### Quality principle 2: Support portability of skills and competencies including reflecting licensing and regulatory requirements

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle  Please see examples of evidence in the Training Package Development and Endorsement Process Policy
Support movement of skills within and across organisations and sectors	N/A	There is no change to the existing level of portability with the creation and inclusion of these new units and the associated qualification. The qualification and the associated new units are specific to a highly specialised sector within the national water industry.
Promote national and international portability	N/A	These units are specific to technical operations in the national water industry but are nationally and potentially internationally portable.
Reflect regulatory requirements and licensing	Yes	There are no licensing and regulatory requirements.

### Quality principle 3: Reflect national agreement about the core transferable skills and core job-specific skills required for job roles as identified by industry

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle  Please see examples of evidence in the Training Package Development and Endorsement Process Policy
Reflect national consensus	Yes	The CfE clearly demonstrates the wide national consultation that occurred and the associated national consensus.
Recognise convergence and connectivity of skills	N/A	The new qualification and units are specific to highly specialised sectors and additional to existing qualifications and skills where convergence is apparent and relevant.



## Training Package Quality Assurance

### Quality principle 4: Be flexible to meet the diversity of individual and employer needs including the capacity to adapt to changing job roles and workplaces

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle  Please see examples of evidence in the Training Package Development and Endorsement Process Policy
Meet the diversity of individual and employer needs	Yes	The CfE highlights how all relevant sectors and industry representatives were widely consulted and their needs and views incorporated into the development of these units. The complexity of the consultation and commitment to the process highlight the inclusion of diverse individual and employer needs.
Support equitable access and progression of learners	Yes	<p>These units are technical in nature and specific to their specific sectors within national water systems.</p> <p>The units are written in plain English and contain simple phrasing. Assessment and context are clear. There is no unnecessary exclusion evident.</p> <p>The pathways outlined in the CVIG also highlight the progression and pathways available in other NWP qualifications. These qualifications relate to specialised and highly technical areas and as such are not suitable to VET in schools pathways.</p>

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## Training Package Quality Assurance

### Quality principle 5: Facilitate recognition of an individual’s skills and knowledge and support movement between the school, vocational education, and higher education sectors

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle  Please see examples of evidence in the Training Package Development and Endorsement Process Policy
Support learner transition between education sectors	N/A	The units and the associated new qualification are technical and specific in nature to specialised NWP roles and do not suit a VET in schools pathway. The Training Package caters for this pathway with another more generic qualification.  There are no higher education arrangements.

### Quality principle 6: Support interpretation by training providers and others through the use of simple, concise language and clear articulation of assessment requirements

Key features	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle  Please see examples of evidence in the Training Package Development and Endorsement Process Policy
Support implementation across a range of settings	N/A	These units have been written to address specific technical skills requirements.
Support sound assessment practice	Yes	The depth and breadth of assessment is consistent and clear.  Assessment conditions are clearly outlined.  The units of competency and associated assessment requirements clearly specify the outcomes required in plain English and provide specific volume and context.
Support implementation	Yes	The product is compliant with TGA/National Register requirements for publication. CVIG provides clear advice about unit applications and contexts.

# Training Package Quality Assurance

## Attachment G for the letters of support



4/5/2022

Mr Paul Walsh  
Chief Executive Officer  
Australian Industry Standards  
Level 2, 31 Market Street  
South Melbourne 3205

Dear Paul,

RE: Letter of Support for National Water Training Products

I would like to confirm that I represent Taswater in a series of workshops and teleconferences in the development of the NWP Water Network Maintenance project, that will be included in the NWP National Water Training Package, Release 5.0.

The training products have been developed to address specific skills for maintaining and cleaning water networks, and for non-destructive investigation of water assets. Consideration was given to water industry technologies relevant to the areas of:

- Flushing, air scouring, chemical and swabbing techniques
- High pressure water cleaning
- Using digital imaging equipment in the field

The Water training products in the NWP National Water Training Package will facilitate water sector pathways and support workforce development.

I am pleased to support the water training product development.

Yours sincerely,

**Leigh Walton**  
Area Manager Central NW

**M** 0417 050 348  
**F** 1300 862 066  
**A** GPO Box 1393, Hobart TAS 7001  
18 Steele Street, Devonport, TAS 7310  
**E** [leigh.walton@taswater.com.au](mailto:leigh.walton@taswater.com.au)  
**W** <http://www.taswater.com.au/>

## Training Package Quality Assurance



Mr Paul Walsh  
Chief Executive Officer  
Australian Industry Standards  
Level 2, 31 Market Street  
South Melbourne 3205

Dear Paul,

RE: Letter of Support for National Water Training Products

I would like to confirm that myself and one of our technical trainers participated in workshops on behalf of Training at Water Corporation in a series of workshops and teleconferences in the development of the NWP Water Network Maintenance project, that will be included in the NWP National Water Training Package, Release 5.0.

The training products have been developed to address specific skills for maintaining and cleaning water networks, and for non-destructive investigation of water assets.

Consideration was given to water industry technologies relevant to the areas of:

- Flushing, air scouring, chemical and swabbing techniques
- High pressure water cleaning
- Using digital imaging equipment in the field

The Water training products in the NWP National Water Training Package will facilitate water sector pathways and support workforce development.

I am pleased to support the water training product development.

Yours sincerely,  
Neil Hooley

Manager Training

12/04/2022

# Training Package Quality Assurance

29 April 2022

Mr Paul Walsh  
Chief Executive Officer  
Australian Industry Standards  
Level 2, 31 Market Street  
South Melbourne 3205

Dear Paul,

RE: Letter of Support for National Water Training Products

I would like to confirm that I represent Water Training Australia in a series of workshops and teleconferences in the development of the NWP Water Network Maintenance project, that will be included in the NWP National Water Training Package, Release 5.0.

The training products have been developed to address specific skills for maintaining and cleaning water networks, and for non-destructive investigation of water assets. Consideration was given to water industry technologies relevant to the areas of:

- Flushing, air scouring, chemical and swabbing techniques
- High pressure water cleaning
- Using digital imaging equipment in the field

The Water training products in the NWP National Water Training Package will facilitate water sector pathways and support workforce development.

I am pleased to support the water training product development.

Yours sincerely,

*Neville Whittaker*

Neville Whittaker

# Training Package Quality Assurance

22 May 2022



Mr Paul Walsh  
Chief Executive Officer  
Australian Industry Standards  
Level 2, 31 Market Street  
SOUTH MELBOURNE VIC 3205

Dear Paul

RE: Letter of Support for National Water Training Products

I would like to confirm that I represent TAFESA in a series of workshops and teleconferences in the development of the NWP Water Network Maintenance project, that will be included in the NWP National Water Training Package, Release 5.0.

The training products have been developed to address specific skills for maintaining and cleaning water networks, and for non-destructive investigation of water assets. Consideration was given to water industry technologies relevant to the areas of:

- Flushing, air scouring, chemical and swabbing techniques
- High pressure water cleaning
- Using digital imaging equipment in the field

The Water training products in the NWP National Water Training Package will facilitate water sector pathways and support workforce development.

I am pleased to support the water training product development.

Richard Scott  
Lecturer Water Operations  
TAFESA Tonsley Campus

A handwritten signature in black ink, followed by the date "(20/5/2022)" written in the same ink.

## Training Package Quality Assurance



1 July 2022

Mr Paul Walsh  
Chief Executive Officer  
Australian Industry Standards  
Level 2, 31 Market Street  
South Melbourne 3205

Dear Paul,

RE: Letter of Support for National Water Training Products

I would like to confirm that I represented the Australian Hydrographer's Association in a series of workshops and teleconferences in the development of the NWP Water Flood Site Operations project, that will be included in the NWP National Water Training Package, Release 5.0.

The training products have been developed to address specific skills for maintaining and operating a flood site and enable flood warning sites to be operated to a higher and more consistent standard.

The training products in the NWP National Water Training Package will facilitate water sector pathways and support workforce development.

I am pleased to support this water training product development. I would also like to comment on the excellent leadership provided by Tricia Fidock during the development of the NWP training products. The process went very smoothly.

Yours sincerely

A handwritten signature in black ink, appearing to read 'John Skinner'.

John Skinner  
Manager Training  
CPH, FAHA  
[Training@aha.net.au](mailto:Training@aha.net.au)  
0409222378

## Training Package Quality Assurance



Dear Tricia

I am writing on behalf of the NSW Public Sector ITAB in reference to the current Case for Endorsement (CfE) for the National Water Industry (NWI) Training Package projects related to Flood Site Operations and Water Network Maintenance. As a result of broad and targeted consultation of water industry stakeholders, the ITAB can confirm its support for the Case for Endorsement and the changes applied to training package components within these two projects.

The NSW ITAB can confirm that stakeholder consultation related to these projects did not result in adverse comments or concerns for implementation of the new and revised materials in NSW. It should be noted that both projects have been focused on Skills Sets and units of competency included as electives in the Certificate II and III in Water Industry Operations and therefore changes have no significant impact on these qualifications when accessed via a traineeship model in NSW.

The ITAB's position is based on the following actions that have been undertaken by the ITAB throughout the project lifecycles.

- Regular updates from the AIS Industry Skills Specialist (ISS) for Water throughout the development process including ISS presentations on the projects at two ITAB facilitated Water Trainers and Assessors Network (WTAN) meetings
- Advice and updates sought from a current Water IRC member who is also a member of the ITAB's Industry Advisory Committee.
- Strong support for the CfE from the Executive Officer of the NSW Water Directorate who is also a member of the ITAB's Industry Advisory Committee.
- Updates provided and feedback sought via monthly ITAB newsletters and website items on both NWI projects
- Targeted consultation with key NSW stakeholders on the Case for Endorsement with no adverse feedback received.

This consultation program has confirmed that the stakeholders who are likely to utilise and potentially deliver the new training products in NSW do not see any concern or issues for implementation of Flood Site Operations and Water Network Maintenance training package components within NSW. The ITAB can therefore be confident in its support of this Case for Endorsement.

Kind regards

Lisa

**Lisa Giammarco**  
**Executive Officer, NSW Public Sector ITAB**