



# **CASE FOR CHANGE – QUALIFICATIONS REVIEW**

NWP NATIONAL WATER TRAINING PACKAGE

**Water Industry Reference Committee**

## A. ADMINISTRATIVE INFORMATION

### **Industry Reference Committee submitting the Case for Change**

Water Industry Reference Committee (IRC)

### **Skills Service Organisation responsible for preparing the Case for Change**

Australian Industry Standards Limited (AIS)

### **Development of the Case for Change**

This Case for Change developed by the Water IRC, is focused on, but not limited to, setting out the strategic and evidentiary case (including an analysis of the level of industry support) for reviewing existing and developing new NWP National Water Training Package products, relevant to the areas of:

- NWP20115 - Certificate II in Water Industry Operations
- NWP30215 - Certificate III in Water Industry Operations
- NWP30315 - Certificate III in Water Industry Treatment

The Case for Change was developed in consultation with Water stakeholders. The Case for Change was also developed with consideration of the Training Package Development and Endorsement Process Policy, and outlines the requirements for change to ensure that the AISC can make decisions based on robust evidence.

NWP Training Package products listed in Attachment A, are proposed for development as part of this Case for Change. This includes:

- Three qualifications
- 95 existing Units of Competency
- Four-six new Units of Competency

Products reviewed and developed because of this Case for Change, will be integrated with the wider suite of NWP qualifications, within the next release of the NWP Training Package.

## B. THE CASE FOR CHANGE

### **Drivers for change**

This Case for Change is predicated on the following drivers. These are:

1. The requirement for the incorporation of new technology skills into the qualifications
2. Streamline training pathways as required by the Water Industry
3. Align the qualifications to changing job roles

## Recommended changes

The Water IRC recommends that the products listed in Attachment A be approved for development, based on the following evidence:

- The qualifications need to be aligned to form a pathway for Water Industry employees
- The opportunity to merge the two Certificate III qualifications into one Qualification, reducing duplication
- Technological advancement in the sector is rapidly changing the skills required to maximise these benefits to industry
- Address the packaging issues within the qualifications to enable a better fit to the identified job roles

## C. INDUSTRY SUPPORT FOR CHANGE

### Stakeholder Consultation

Key individual and group stakeholders who were consulted, or provided information in the development of this Case for Change over the period of April 2017 to February 2018 are included within Attachment B. The information contained within the Case for Change, was made available to the public, industry stakeholders and State Training Authorities for comment and feedback through the Australian Industry Standards website and registered stakeholder communications, over the period 12 - 30 January 2018. The Water IRC reviewed and approved this Case for Change on February 2018.

### Overview of the issues identified

The changing job roles within the Water industry, due to the incorporation of new technology, is a key driver for these changes. The packaging rules of the qualifications will also be addressed to create training and career pathways required by industry. This will also enable workers in remote Australian areas to gain the correct skills for their roles, which are commonly quite diverse compared to those of urban operators. Units of Competency requiring review and development must be reviewed to address identified industry skills needs due to the incorporation of new technology and changing job roles within the Water Industry.

- Three qualifications and 95 existing Units of Competency are to be reviewed.

### Issues and sensitivities

There are no residual issues identified by the Water IRC that have not been addressed within this Case for Change. Feedback was received during the consultation period that expressed support for the proposed Case for Change, with no dissenting views raised to the Water IRC for consideration.

## D. IMPACTS OF CHANGE

### Workforce

In the Water Industry, approximately 31,000 people are employed across its main sub-sectors: water supply, sewerage, drainage services and pipeline transport (water). These Qualifications in Water Industry Operations are widely used in industry at the operator level. The proposed changes will reflect changing job roles and incorporate the use of relevant technology. These changes will also address the issues identified with the current pathways for Water industry operators. Registered Training Organisations (RTO's) may have to re-apply to have the revised qualifications added to scope and amend their learning resources.

#### NWP20115 - Certificate II in Water Industry Operations

	2014	2015	2016
NWP20115 - Certificate II in Water Industry Operations	n/a	n/a	94
<i>NWP20107 - Certificate II in Water Operations *</i>	2,802	784	394

**n/a** = Qualification was not available pre-2016

**\*** = Superseded qualification, enrolment activity declining (transition period 2016 and 2017).

#### NWP30215 - Certificate III in Water Industry Operations

	2014	2015	2016
NWP30215 - Certificate III in Water Industry Operations	n/a	n/a	85
<i>NWP30107 - Certificate III in Water Operations *</i>	1,563	1,426	961

**n/a** = Qualification was not available pre-2016

**\*** = Superseded qualification, enrolment activity declining (transition period 2016 and 2017).

#### NWP30215 - Certificate III in Water Industry Treatment

	2014	2015	2016
NWP30315 - Certificate III in Water Industry Treatment	n/a	n/a	160

n/a = Qualification was not available pre-2016

## Identification of benefits of change

Water stakeholder consultation to date, has identified that the proposed changes to NWP Training Package products will result in the following benefits to the Water industry:

- Clear defined pathways for water operators
- Incorporation of the current technologies used in the Water Industry
- Enable industry workers to meet the skill and knowledge expectations of industry
- Greater alignment of the Water qualifications with job roles in the Water Industry
- Address current packaging issues identified by stakeholders

## Identification of risks of not implementing proposed change

Water stakeholder consultation to date, has identified that not implementing the proposed changes to NWP Training Package products will result in the following risks to the Water industry:

- Potential skills shortage at operator level
- Operators will be deficient in the core skills requirements around the use of technology
- Reduction in the take up of qualifications by the Water Industry

## Proposed approach and estimated timeframes for undertaking development work

Completion of all development work is proposed to be undertaken over the period [insert dates]. The Water IRC intends to submit a NWP Training Package Release a Case for Endorsement with supporting material for submission to the AISC **before 31 October 2019**.

## E. IMPLEMENTING THE COAG INDUSTRY AND SKILLS COUNCIL (CISC) REFORMS FOR TRAINING PACKAGES


This Case for Change addresses the COAG Industry and Skills Council suite of reforms to the Training Package system in response to the Review of Training Packages and Accredited Courses in the following manner:

- Removing obsolete and superfluous qualifications from the training system to make it easier for consumers to find the training relevant to their needs.
  - Indications are there may be an opportunity to merge two qualifications into one in this review.
- Making more information available about industry's expectations of training delivery, to training providers to improve their delivery and to consumers, to enable them to make more informed course choices.
  - Industry's expectations are that training provided by RTOs will address the needs of individuals and industry. The duration of training will be such that it will adequately provide individuals with skills that are relevant and transferable across industry sectors and enterprises. The mode of delivery can be on the job, off the job or a combination of both.

- Ensuring the training system better supports individuals, to move easily from one related occupation to another.
  - The qualifications specifically align to industry identified pathways. The packaging rules will be flexible and provide multiple and direct entry points. The units of competency within the qualifications provide transferable skills from one occupation to another. The proposed qualifications, and units of competency will have national portability.
- Improving the efficiency of the training system by creating units that can be owned and used by multiple industry sectors and housing these units in a 'work and participation bank'.
  - These Units of Competency can be easily imported into other industry qualifications. The units have identified relevance to industries such as, Agriculture, horticulture, conservation and land management.
- Fostering greater recognition of skill sets.
  - No skill sets are being developed or reviewed.
- Ensuring that accredited courses 'fill the gap' in Training Packages and provide for training courses to be developed as quickly as industry needs them and support niche skill needs.
  - This case for change does not propose a requirement for development of an existing or proposed accredited course.

### Industry Reference Committee Signoff

This Case for Change was agreed to by the Water IRC:

John Harris Water IRC Chair		February 2018
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**ATTACHMENT A**
**TRAINING PACKAGE PRODUCTS**
**Australian Industry Standards**
**Contact details: Chief Operating Officer, Australian Industry Standards**
**Date submitted: February 2018**

DEVELOP YEAR		TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW - THREE QUALIFICATIONS</b>									
1	2017-18	NWP	National Water Training Package	Qualification	NWP20115	Certificate II in Water Industry Operations	Content and Packaging review and update		Review
2	2017-18	NWP	National Water Training Package	Qualification	NWP30215	Certificate III in Water Industry Operations	Content and Packaging review and update		Review
3	2017-18	NWP	National Water Training Package	Qualification	NWP30315	Certificate III in Water Industry Treatment	Content and Packaging review and update		Review

DEVELOP YEAR		TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>									
1	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN001	Apply the risk management principles of the water industry standards, guidelines and legislation	Content review and update		Review
2	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN003	Apply environmental and licensing procedures of the water industry	Content review and update		Review
3	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN004	Assess, implement and report environmental procedures	Content review and update		Review
4	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN007	Sample and test drinking water	Content review and update		Review



DEVELOP YEAR		TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>									
5	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN008	Sample and test wastewater	Content review and update		Review
6	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN009	Perform laboratory testing	Content review and update		Review
7	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN011	Use maps, plans, drawings and specifications	Content review and update		Review
8	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN012	Support the role and functions of the water industry	Content review and update		Review
9	2017-18	NWP	National Water	Unit of Competency	NWPGEN013	Apply principles of chemistry to water systems and processes	Content review and update		Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
10	2017-18	NWP	National Water Training Package	Unit of Competency	NWPHYD011	Measure and process low and medium flows using area velocity methods	Content review and update	Review
11	2017-18	NWP	National Water Training Package	Unit of Competency	NWPHYD012	Establish monitoring sites	Content review and update	Review
12	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR001	Monitor and operate irrigation and domestic delivery systems	Content review and update	Review
13	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR002	Operate basic flow control and regulating devices in irrigation systems	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
14	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR003	Inspect and operate surface water systems	Content review and update	Review
15	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR011	Install devices for irrigation systems	Content review and update	Review
16	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR012	Construct open earthen channels or drains	Content review and update	Review
17	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR013	Construct and install irrigation delivery and stormwater drainage assets	Content review and update	Review
18	2017-18	NWP	National Water	Unit of Competency	NWPIRR014	Install meters for rural water supplies	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
19	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR021	Maintain and repair irrigation channels and drains	Content review and update	Review
20	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR022	Maintain meters for rural water supplies	Content review and update	Review
21	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR041	Identify and apply water entitlements and delivery processes	Content review and update	Review
22	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR051	Provide and promote customer service	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
23	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET001	Disinfect network assets	Content review and update	Review
24	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET002	Prepare and restore work site	Content review and update	Review
25	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET003	Control electrical risk on metallic pipes	Content review and update	Review
26	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET004	Monitor and operate network systems	Content review and update	Review
27	2017-18	NWP	National Water	Unit of Competency	NWPNET011	Locate, identify and protect utilities	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
28	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET012	Use locating devices	Content review and update	Review
29	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET013	Identify and respond to water problems	Content review and update	Review
30	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET014	Perform odour and infiltration investigations	Content review and update	Review
31	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET015	Perform leak detection	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
32	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET016	Inspect sewer or stormwater line	Content review and update	Review
33	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET021	Install metering equipment	Content review and update	Review
34	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET022	Maintain and repair network assets for drinking water	Content review and update	Review
35	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET023	Maintain and repair network assets for wastewater	Content review and update	Review
36	2017-18	NWP	National Water	Unit of Competency	NWPNET024	Maintain and repair network assets for bulkwater	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
37	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET026	Install, maintain and repair hydrants	Content review and update	Review
38	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET027	Monitor and control vacuum sewer systems	Content review and update	Review
39	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET031	Construct and install water distribution assets	Content review and update	Review
40	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET032	Construct and install wastewater assets	Content review and update	Review



DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
41	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET041	Monitor and operate water distribution systems	Content review and update	Review
42	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET042	Monitor and operate wastewater collection and transfer systems	Content review and update	Review
43	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET043	Monitor and operate bulkwater transfer systems	Content review and update	Review
44	2017-18	NWP	National Water Training Package	Unit of Competency	NWPNET044	Test and commission water distribution systems	Content review and update	Review
45	2017-18	NWP	National Water	Unit of Competency	NWPNET045	Test and commission wastewater collection systems	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
46	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU001	Respond to blue-green algae outbreaks	Content review and update	Review
47	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU002	Control vegetation on a site	Content review and update	Review
48	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU003	Identify and confirm blue-green algae outbreaks	Content review and update	Review
49	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU011	Maintain catchment and surrounding areas	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
50	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU012	Monitor, inspect and report catchment operations	Content review and update	Review
51	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU013	Monitor and coordinate catchment operations	Content review and update	Review
52	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU021	Inspect and maintain basic dams and water storages	Content review and update	Review
53	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU022	Monitor and control dam operations	Content review and update	Review
54	2017-18	NWP	National Water	Unit of Competency	NWPSOU023	Monitor and implement dam maintenance	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
55	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU024	Inspect and report on concrete dam safety	Content review and update	Review
56	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU025	Inspect and report on embankment dam safety	Content review and update	Review
57	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU027	Route floods through storages	Content review and update	Review
58	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU029	Conduct and report dam safety instrumentation monitoring	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
59	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU030	Inspect and report river performance	Content review and update	Review
60	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU031	Operate and maintain locks and weirs	Content review and update	Review
61	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU032	Operate and maintain fishways	Content review and update	Review
62	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU033	Operate and maintain salt interception works	Content review and update	Review
63	2017-18	NWP	National Water	Unit of Competency	NWPSOU051	Monitor and operate groundwater extraction	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
64	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU052	Inspect and operate groundwater regulation	Content review and update	Review
65	2017-18	NWP	National Water Training Package	Unit of Competency	NWPSOU054	Monitor and operate pump stations	Content review and update	Review
66	2017-18	NWP	National Water Training Package	Unit of Competency	NWPTRD011	Investigate and report on breaches of water industry legislation	Content review and update	Review
67	2017-18	NWP	National Water Training Package	Unit of Competency	NWPTRT001	Operate and control water treatment processes	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
68	2017-18	NWP	National Water Training Package	Unit of Competency	NWPTRT012	Operate and control fluoride addition process	Content review and update	Review
69	2017-18	NWP	National Water Training Package	Unit of Competency	NWPTRT013	Operate and control liquefied chlorine gas disinfection	Content review and update	Review
70	2017-18	NWP	National Water Training Package	Unit of Competency	NWPTRT014	Operate and control iron and manganese removal processes	Content review and update	Review
71	2017-18	NWP	National Water Training Package	Unit of Competency	NWPTRT015	Operate and control coagulation and flocculation processes	Content review and update	Review
72	2017-18	NWP	National Water	Unit of Competency	NWPTRT031	Operate and control sedimentation and clarification processes	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
		Training Package						
73	2017-18	NWP	National Water Training Package	Unit of Competency	NWPTRT033	Operate and control DAF processes	Content review and update	Review
74	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN001	Apply the risk management principles of the water industry standards, guidelines and legislation	Content review and update	Review
75	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN003	Apply environmental and licensing procedures of the water industry	Content review and update	Review
76	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN004	Assess, implement and report environmental procedures	Content review and update	Review



DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
77	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN007	Sample and test drinking water	Content review and update	Review
78	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN008	Sample and test wastewater	Content review and update	Review
79	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN009	Perform laboratory testing	Content review and update	Review
80	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN011	Use maps, plans, drawings and specifications	Content review and update	Review
81	2017-18	NWP	National Water	Unit of Competency	NWPGEN012	Support the role and functions of the water industry	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
			Training Package					
82	2017-18	NWP	National Water Training Package	Unit of Competency	NWPGEN013	Apply principles of chemistry to water systems and processes	Content review and update	Review
83	2017-18	NWP	National Water Training Package	Unit of Competency	NWPHYD011	Measure and process low and medium flows using area velocity methods	Content review and update	Review
84	2017-18	NWP	National Water Training Package	Unit of Competency	NWPHYD012	Establish monitoring sites	Content review and update	Review
85	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR001	Monitor and operate irrigation and domestic delivery systems	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
86	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR002	Operate basic flow control and regulating devices in irrigation systems	Content review and update	Review
87	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR003	Inspect and operate surface water systems	Content review and update	Review
88	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR011	Install devices for irrigation systems	Content review and update	Review
89	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR012	Construct open earthen channels or drains	Content review and update	Review
90	2017-18	NWP	National Water	Unit of Competency	NWPIRR013	Construct and install irrigation delivery and	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
		Training Package			stormwater drainage assets			
91	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR014	Install meters for rural water supplies	Content review and update	Review
92	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR021	Maintain and repair irrigation channels and drains	Content review and update	Review
93	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR022	Maintain meters for rural water supplies	Content review and update	Review
94	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR041	Identify and apply water entitlements and delivery processes	Content review and update	Review

DEVELOP YEAR	TRAINING PACKAGE CODE	TRAINING PACKAGE NAME	PRODUCT	CODE	TITLE	COMMENTS	REVIEW STATUS	CHANGE REQUIRED
<b>REVIEW – 95 UNITS OF COMPETENCY</b>								
95	2017-18	NWP	National Water Training Package	Unit of Competency	NWPIRR051	Provide and promote customer service	Content review and update	Review

## ATTACHMENT B NATIONAL CONSULTATION

### State Training Authorities

NAME	ORGANISATION	METHOD AND SCALE OF CONSULTATION
Guy Valentine	Department of Education, Training and Employment - Skills Investment and Market Strategy	Email and provided draft Case for Change
Liam White	Education & Training, ACT Government	Email and provided draft Case for Change
Lisa Barron	Department of Training and Workforce Development	Email and provided draft Case for Change
Lucinda Pita	Department of Training and Workforce Development	Email and provided draft Case for Change
Nelson Brown	Department of Trade, Business and Innovation	Email and provided draft Case for Change
Marina Borrello	Skills and Employment – Department of State Development	Email and provided draft Case for Change
Lee Carter	Department of Education and Training	Email and provided draft Case for Change
Linda Seaborn	Skills Tasmania, Department of State Growth	Email and provided draft Case for Change
Bec Evans	Skills Tasmania, Department of State Growth	Email and provided draft Case for Change
Susan Bearfield	Department of Industry	Email and provided draft Case for Change
Son Ly	Department of Industry	Email and provided draft Case for Change

## Industry Training Advisory Board

NAME	ORGANISATION	METHOD AND SCALE OF CONSULTATION
Shane Eeles	Electrical & Utilities	Email and provided draft Case for Change
Paul Humphreys	Public Sector Industry Training Advisory Board - NSW	Email and provided draft Case for Change
Archie Wright	Industry Skills Advisory Council, NT (ISACNT)	Email and provided draft Case for Change

## Water Industry

NAME	ORGANISATION	METHOD AND SCALE OF CONSULTATION
Archie Wright	Industry Skills Advisory Council Northern Territory	IRC meetings, Email and provided draft Case for Change
Brendan Hill	Sydney Water Corporation	IRC meetings, Email and provided draft Case for Change
Darren Clarke	South Australia Water	IRC meetings, Email and provided draft Case for Change
David Scott	United Services Union/Australian Service Union	IRC meetings, Email and provided draft Case for Change
George Wall	Water Industry Operators Association of Australia (WIOA)	IRC meetings, Email and provided draft Case for Change

Jason Ip	NSW Water Directorate	IRC meetings, Email and provided draft Case for Change
Jeff Rigby	Water Services Association of Australia	IRC meetings, Email and provided draft Case for Change
John Harris	Wannon Water	IRC meetings, Email and provided draft Case for Change
Jonathan McKeown	Australian Water Association	IRC meetings, Email and provided draft Case for Change
Kate Blizzard	TasWater	IRC meetings, Email and provided draft Case for Change
Michelle Hill	Queensland Water	IRC meetings, Email and provided draft Case for Change
Neil Hooley	Water Corporation	IRC meetings, Email and provided draft Case for Change
Robert Allen	Icon Water	IRC meetings, Email and provided draft Case for Change
Tony Wright	VIC Water	IRC meetings, Email and provided draft Case for Change



## Public Stakeholders

NAME	ORGANISATION	METHOD AND SCALE OF CONSULTATION
General Public	Request for public feedback	AIS website and registered stakeholder alerts over 12 – 30 January 2018