



Australian
Industry and
Skills Committee

FLOOD SITE OPERATIONS PROJECT

Case for Change

Name of allocated IRC: Water

Name of the SSO: Australian Industry Standards Limited

1. Administrative information

For a list of the products proposed to be reviewed as part of this project, please see Attachment A.

Name of IRC(s):

Water

Name of SSO:

Australian Industry Standards Limited

1.1 Name and code of Training Package(s) examined to determine change is required

NWP - National Water Training Package

2. The Case for Change

For information on the job roles to be supported through the proposed qualifications updates, enrolments data, completion rates, and the number of RTOs delivering these qualifications please see Attachment B.

2.1 Rationale for change

The Water IRC and industry have identified the need to develop one new Unit of Competency and one new Skill Set to address specific skills for undertaking flood management and site operations. One of the recommendations from the 2011 flood inquiry was the need for flood warning sites to be operated to a higher and more consistent standard. This now requires higher level skills to be provided to all operators in this role. Currently flood events are monitored by many different agencies (councils, Bureau of Meteorology, rail and roads departments & contractors) but not all to the same standard. These new products will enable consistent operational practices nationally.

The implication of not creating the unit and skill set will be continuing inconsistency of flood site operations between the different managing bodies and higher costs associated to flood damage when these weather events occur.

2.2 Evidence for change

Recent floods in Australia have highlighted the significance of highly trained flood site operations staff to minimise the impact of floods on water catchment areas. Floods are often contaminated by a variety of debris that gets caught in its path, often ending up impacting our water supplies.

Flood runoff poses a serious threat of contaminating fresh drinking water and endangering the community's health. Therefore, effective management of flood runoff is vital to ensuring water reserves are not contaminated unnecessarily by these events. This requires identifying warning signs for a flood and acting where possible to manage excess water runoff.

It also includes maintenance of relevant equipment, maintaining power to the site, cleaning and clearing vegetation and ensuring data collected and documented and passed on to the relevant database or industry body.

2.3 Consideration of existing products

There are no existing training products being reviewed. This Case for Change proposes a new Unit of Competency and a Skill Set, the unit will sit in the Certificate III in water Industry Operations in the NWP Training Package.

2.4 Approach to streamlining and rationalisation of the training products being reviewed

This project is for the development of one new Unit of Competency and one new Skill Set so no streamlining or rationalisation is possible.

3. Stakeholder consultation

3.1 Stakeholder consultation undertaken in the development of Case for Change

*For a full list of industry-specific stakeholders that actively participated in the stakeholder consultation process undertaken to develop the Case for Change, please see **Attachment C**.*

The Water IRC formed a sub-committee of subject matter experts to evaluate the need for Training Package development related to flood site operations and network maintenance units. The decision of the committee was that these were needed by industry.

Development of the Case for Change also involved consultation with stakeholders via the following communication mechanisms:

- Stakeholder webinars
- Face to Face meetings (Virtual)
- AIS Website
- Stakeholder networks
- Teleconferences
- Emails

This development work was outlined during a stakeholder webinar which included representatives from all States/Territories and regional areas of those jurisdictions. Feedback on the proposed work was invited during the webinar.

The work was posted on the Engagement Hub of the AIS website and feedback invited. Notification of the opportunity to provide feedback through the Water IRC webinar, or in writing through the Engagement Hub, was provided to 499 water sector stakeholder subscribers including industry representatives from across the states/territories in rural, regional and remote areas.

3.2 Evidence of Industry Support

*For a list of the issues raised by stakeholders during consultation and the IRC's response to these, please see **Attachment D**.*

No objections or issues were raised in relation to the development of these new Training Package products, were raised during the consultation for this project and there was strong stakeholder support for the development of these products for the water industry.

This project work was outlined and discussed during a webinar conducted for the water industry on 11 March 2021 which had 44 participants representing enterprises, industry associations and peak bodies, regulators and RTOs. No issues regarding the proposed work were posed in the Q & A section of the webinar. Industry is supportive and keen to implement the findings of the Flood inquiry post the QLD floods in recent years.

The proposed work was also detailed in the Engagement Hub of the AIS website for stakeholders to review and provide feedback, and no issues were raised in response.

3.3 Proposed stakeholder consultation strategy for project

*Note: For a full list of industry-specific stakeholders who are planned to be contacted to participate in the stakeholder consultation process undertaken for this project, please see **Attachment E**.*

Key Industry stakeholders have been identified in consultation with industry associations and the Water IRC which included sub-committee members with expertise in water catchments and hydrology. AIS, on behalf of the Water IRC, will promote the opportunity to contribute through stakeholder webinars, the AIS website, EDM's, AIS newsletter and public notifications. Stakeholders will also be notified of key milestones throughout the life of the project, including requests for feedback on draft materials.

Stakeholder engagement and consultation will occur over the life of the project via a combination of the following methods:

- Direct engagement: face to face consultations, site visits, phone, emails, video/teleconferencing meetings
- Industry forums and conferences
- Webinars
- Online feedback mechanisms
- STA direct engagement

Given the size of Australia and that all stakeholders are not centrally located in major cities, a range of consultation strategies will be used so stakeholders in rural, regional and remote areas, and in smaller jurisdictions have multiple avenues to provide feedback.

These include industry advocacy, representation, advice, networking opportunities, business promotional opportunities.

This includes but is not limited to:

- online/video consultation,
- email correspondence and
- promotional activity via targeted communications including social media.

Also, the engagement hub on the AIS website provides a one stop portal for information about how all stakeholders can participate and inform Training Package development work.

4. Licencing or regulatory linkages

There are no licencing or regulatory requirements linked to this development.

5. Project implementation

5.1 Prioritisation category

It is proposed that this product development is progressed as a routine project.

5.2 Project milestones

Key project milestones include:

- AISC project approval – August 2021
- Draft 1 consultation – December 2021
- Stakeholder validation – March 2022
- Quality Assurance – April/May 2022
- Final consultation with states and territories – June 2022
- CfE submitted for approval – 30 June 2022.

5.3 Delivery or implementation issues

To date no delivery or implementation issues have been identified or raised. The CVIG will be updated to provide RTO's delivery implementation advice on these new training products.

6. Implementing the Skills Minister's Priority reforms for Training Packages (2015 and October 2020)

- Training delivery information will be provided within the supporting Companion Volume Implementation Guide. These new training package products will support the specific job role identified.
- This new unit and Skill Set will facilitate portability between related occupations as operators can complete more than one specialisation concurrently.
- The new Unit of Competency and Skill Set will allow for use by various sectors of the industry.
- This development contains a new Skill Set and Unit of Competency .

This Case for Change was agreed to by the Water IRC

Name of Chair

George Wall

Signature of Chair



Date

3 June 2021

Attachment A: Training Package components to change

Australian Industry Standards Limited

Contact details: David Dixon - Chief Operating Officer

Date submitted: 3 June 2021

Note: Qualifications where the code is marked with * are not being reviewed but contain units that are being updated as part of this project. AIS will update these Qualifications as Training Package maintenance function.

Project number	Project Name	Qualification/ Unit / Skillset	Code	Title	Details of last review (endorsement date, nature of this update transition, review, establishment)	Change Required
2	Flood Site Operations	Unit	NWPNET999Y	Use optical vision technology in the field	NA	New
2	Flood Site Operations	Skill Set	NWPSS99999Y	Flood Site Operations Skill Set	NA	New
2	Flood Site Operations	Qualification	*NWP30219Y	<i>Certificate III in Water Industry Operations</i>	<i>Reviewed 2019</i>	Update

Attachment B: Job role, enrolment information, the number of RTOs currently delivering these qualifications

Please set out the job roles to be supported through the updated qualifications, enrolment data over the past three years in which data is available for each qualification, completion rates for each qualification, and the number of RTOs delivering these qualifications.

Job role	Qualification to be updated to support the job role	Enrolment data (for the past three years)	Completion rates (for the past three years)	Number of RTOs delivering (for the past three years)
	NWPSOU999Y Operate and maintain flood warning site	N/A	N/A	
	NWPSS99999Y Flood Site Operations Skill Set	N/A	N/A	
712921, Waste Water Or Water Plant Operator	NWP30219Y Certificate III in Water Industry Operations	3679	1177	12

Attachment C: List of stakeholders that actively participated in the consultation process of the Case for Change

Entity Name	Sector	State	Rural/Regional/Remote (RRR)	Activity
Veolia	Water	National	Rural/Regional/Remote	1,2,3,4
Australian Hydrographers Association	Water	National	Rural/Regional/Remote	1,2,3,4
Best Practice Training	Water	Multi-State	Rural	1,2,3,4
Coliban Water	Water	State	Rural/Regional	1,2,3,4
Department of Industry	Water	National	Rural/Regional/Remote	1,2,3,4
Department of Planning, Industry and Environment	Water	National	Rural/Regional/Remote	1,2,3,4
Flinders University	Water	Multi-State	Rural/Regional	1,2,3,4
Hunter H2O	Water	State	Rural/Regional	1,2,3,4
Icon Water	Water	State	Rural/Regional	1,2,3,4
Logan City Council	Water	State		1,2,3,4
Melbourne Water	Water	State		1,2,3,4
National Water Centre	Water	National	Rural/Regional/Remote	1,2,3,4

Entity Name	Sector	State	Rural/Regional/Remote (RRR)	Activity
NSW Dams Safety Committee	Water	State	Rural/Regional/Remote	1,2,3,4
NSW Department of Primary Industries	Water	State	Rural/Regional/Remote	1,2,3,4
NSW Health	Water	State	Rural/Regional/Remote	1,2,3,4
NSW Water Directorate, Riverina Water County Council	Water	State	Rural/Regional/Remote	1,2,3,4
Pump Industry Australia Inc.	Water	State	Rural/Regional/Remote	1,2,3,4
QLD Water Directorate	Water	State	Rural/Regional/Remote	1,2,3,4
Queensland Urban Utilities	Water	State		1,2,3,4
R. J. Allen's Training & Assessment Services	Water	Multi-State	Rural/Regional	1,2,3,4
SA Water	Water	State	Rural/Regional/Remote	1,2,3,4
Simmonds & Bristow Pty Ltd	Water	National	Rural/Regional	1,2,3,4
Streamline Learning	Water	State		1,2,3,4
Sydney Water	Water	State		1,2,3,4

Entity Name	Sector	State	Rural/Regional/Remote (RRR)	Activity
TAFE QLD, Skillstech	Water	State	Rural/Regional	1,2,3,4
TAS Water	Water	State	Rural/Regional/Remote	1,2,3,4
Unity Water	Water	State		1,2,3,4
Victorian Water Industry Association	Water	State	Rural/Regional/Remote	1,2,3,4
Wannon Water	Water	State	Rural/Regional	1,2,3,4
Water Corporation	Water	State	Rural/Regional/Remote	1,2,3,4
Water Corporation WA	Water	State	Rural/Regional/Remote	1,2,3,4
Water Industry Operators Association of Australia (WIOA)	Water	National	Rural/Regional/Remote	1,2,3,4
Water Industry Training Consultants	Water	Multi-State	Rural/Regional	1,2,3,4
Water Research Australia	Water	National	Rural/Regional/Remote	1,2,3,4
Water Training Australia	Water	National	Rural/Regional	1,2,3,4

Attachment D: Issues Raised by Stakeholders during consultation on the development of the Case for Change

Active participation has included 44 webinar stakeholders and 499 registered stakeholders from the following organisations across all states and territories within Australia:

- NWP Industry Reference Committee (IRC) Representatives
- NWP IRC sub-committee
- Employers (Non-IRC)
- Peak Industry Bodies
- Unions
- Regulators
- RTOs
- Other/Consultants

Stakeholder Type	Issues Raised	IRC's Response to Issues Raised
Industry Reference Committee (IRC) Representatives	There were no issues raised at this time.	N/A
Peak Industry Bodies	There were no issues raised at this time.	N/A
Employers (Non-IRC)	There were no issues raised at this time.	N/A
Regulators	There were no issues raised at this time.	N/A
Registered Training Organisations (RTOs)	There were no issues raised at this time.	N/A
Training Boards/Other	There were no issues raised at this time.	N/A

State and Territory Training Authorities (STAs)	The Western Australian State Training Authority does not have any issues and supports this project.	N/A
	The NT STA supports the NWP National Water Cases for Change being submitted to the Australian Industry and Skills Committee for consideration.	N/A
	Given the limited usage of the Certificate III in Water Industry Operations in Victoria the Victorian STA will not impede the Case for Change proceeding to the AISC.	N/A
	Thanks, and providing any issues raised by Tasmanian stakeholders have been addressed, Skills Tasmania supports the NWP TP Cases for Change.	No issues have been raised by Tasmanian stakeholders.
Unions	There were no issues raised at this time.	N/A

Attachment E: List of stakeholders to be contacted as part of the development of the Case for Endorsement

The Case for Endorsement development will involve contacting relevant stakeholders from the following organisations across all states and territories within Australia:

- NWP Industry Reference Committee (IRC) Representatives
- Employers (Non-IRC)
- Peak Industry Bodies
- Unions
- Regulators
- State Training Authorities
- RTOs
- Other/Consultants