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NatHERS and Home Sustainability

Project Brief 1 3 May 2019

# Project Scope

On behalf of the Property Services IRC, Artibus Innovation is reviewing and updating the:

* CPP41110 Certificate IV in Home Sustainability Assessment, and the
* CPP41212 Certificate IV in NatHERS Assessment, and
* 25 sector specific units of competency.

The CPP51012 Diploma of Residential Building Energy Assessment is proposed to be removed as no registered training organisation (RTO) has it on scope, nor have there ever been any enrolments.

# Project Summary

An integrated qualification is proposed, the Certificate IV in Home Energy Efficiency and Sustainability.

The packaging rules support specialisations in either thermal performance assessment, home sustainability assessment, or both.

The processes supporting the review of the CPP41212 Certificate IV in NatHERS Assessment and the CPP41110 Certificate IV in Home Sustainability Assessment involved:

* an initial desktop audit of the units and qualifications
* the formation of a technical advisory group (TAG) comprising industry practitioners and representation from the national NatHERS Administrator, NatHERS Assessor Accrediting Organisations, and the Victorian Government’s voluntary home efficiency rating scheme, (Victorian Residential Efficiency Scorecard).
* an occupational analysis based on interviews with 11 practitioners in thermal performance assessment and home sustainability assessment was undertaken. The findings were used as a basis for developing the new qualification and updating sector specific units to align with current and emerging work practices.

The project was also guided by several key principles underpinning current government reforms to training packages:

* remove obsolete and superfluous qualifications from the system
* support individuals to move easily from one related occupation to another, and
* improve the efficiency of the training system at the unit level.

Nine TAG meetings were held between November 2017 and May 2019 at which the qualification structure and coverage of the thermal performance assessment units were discussed at length.

In the consultation period 27 February - 20 March 2019, a webinar to provide information on the project was conducted. There were 54 participants. A survey on the 12 draft units and integrated qualification had 115 respondents. The feedback has been analysed and considered with assistance from the Technical Advisory Group (TAG). The qualification received support particularly for the flexibility it provided. It enables candidates to specialise in thermal performance or home sustainability, or both. It was recognised that many practitioners nowadays do both thermal performance and home sustainability assessments.

The objections to the integrated qualification seemed to be from practitioners who assumed that they would need to retrain in the new qualification. This is not the case. Other objections were based on concern that candidates for the thermal performance specialisation would be forced to complete home sustainability units. The packaging rules can be applied so that this does not happen.

There were no objections to the proposal that the Diploma of Residential Building Energy Assessment would lapse as no RTO has had it on scope and there have never been any enrolments. The limited feedback received on the proposed deletion of 13 units was in favour as duplication across units was reduced.

The final draft documents are now available for comment and validation.

**Draft mapping information (as at 3 May 2019)**

Qualification mapping

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| **CPC Construction, Plumbing and Services Training Package** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Anticipated Equivalent statement** |
| CPP41119 Certificate IV in Home Energy Efficiency and Sustainability  | CPP41110 Certificate IV in Home Sustainability AssessmentCPP41212Certificate IV in NatHERS Assessment | Supersedes and is equivalent to CPP41110 Certificate IV in Home Sustainability Assessment and CPP41212 Certificate IV in NatHERS Assessment | EquivalentEquivalent |
|  | CPP51012 Diploma of Residential Building Energy Assessment | To be removed as there is no demand. No RTO has it on scope and there have never been any enrolments.  | Removed  |

Units of competency mapping

| **CPC Construction, Plumbing and Services Training Package** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Anticipated Equivalent statement** |
| --- | --- | --- | --- |
| CPPCOM4001 Manage own work, professional development and ethical behavior.  | CPPHSA4018A Manage own work, professional development and ethical behaviour | Supersedes and equivalent to:CPPHSA4006A Manage own work, professional development and ethical ehavior as a home sustainability assessor, and CPPHSA4018A Manage own work, professional development and ethical behavior.Updated to meet the Standards for Training Packages. | EE |
| CPPHES4001 Research and assess impact of building elements on thermal performance of residential buildings. | CPPHSA4015A Assess impact of building elements on thermal performance of residential buildings | Supersedes and equivalent to CPPHSA4015A Assess impact of building elements on thermal performance of residential buildings,Updated to meet the Standards for Training Packages. | E |
| CPPHES4002 Advise clients on thermal performance of residential buildings. | CPPHSA4019A Inform clients about thermal performance of residential buildings | Supersedes and equivalent to CPPHSA4019A Inform clients about thermal performance of residential buildings.Updated to meet the Standards for Training Packages. | E |
| CPPHES4003 Operate and maintain computer system to support thermal performance assessments | CPPHSA4020A Operate computer systems to support NatHERS assessment | Supersedes and equivalent to CPPHSA4020A Operate computer systems to support NatHERS assessment.Updated to meet the Standards for Training Packages. | E |
| CPPHES4004 Conduct thermal performance assessment of residential buildings | CPPHSA4012A Conduct NatHERS assessment of planned residential buildings | Supersedes and equivalent to CPPHSA4012A Conduct NatHERS assessment of planned residential buildings.Updated to meet the Standards for Training Packages. | E |
| CPPHES5001 Conduct thermal performance assessment of complex residential buildings | CPPHSA5001A Assess thermal performance of complex residential buildings | Supersedes and equivalent to CPPHSA5001A Assess thermal performance of complex residential buildings.Updated to meet the Standards for Training Packages. | E |
| CPPCOM4002 Implement safe work practices in the property industry  | CPPHSA4005A Minimise health, safety and security risks when assessing home sustainability | Supersedes and equivalent to CPPHSA4005A Minimise health, safety and security risks when assessing home sustainability. Updated to meet the Standards for Training Packages. | E |

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| **CPC Construction, Plumbing and Services Training Package** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Anticipated Equivalent statement** |
| CPPHES4005 Assess household energy use and efficiency improvements | CPPHSA4001A Assess household energy use | Supersedes and equivalent to CPPHSA4001A Assess household energy use. Updated to meet the Standards for Training Packages. | E |
| CPPHES4006 Assess household water use and efficiency improvements | CPPHSA4003A Assess household water use | Supersedes and equivalent to CPPHSA4003A Assess household water use.Updated to meet the Standards for Training Packages. | E |
| CPPHES4007 Assess thermal performance of existing residential buildings | CPPHSA4004A Assess thermal performance of existing residences using non-rating tools and techniques | Supersedes and equivalent to CPPHSA4004A Assess thermal performance of existing residences using non-rating tools and techniques.Updated to meet the Standards for Training Packages. | E |
| CPPHES4008 Assess household waste generation and waste management improvements | CPPHSA4002A Assess household waste generation and management | Supersedes and equivalent to CPPHSA4002A Assess household waste generation and management. Updated to meet the Standards for Training Packages. | E |
| CPPHES4009 Promote the adoption of home sustainability practices | CPPHSA4007A Promote the adoption of home sustainability practices by residents | Supersedes and equivalent to CPPHSA4007A Promote the adoption of home sustainability practices by residents.Updated to meet the Standards for Training Packages. | E |
| **13 units are recommended for removal**  |
|  | [CPPHSA4006A](https://training.gov.au/Training/Details/CPPHSA4006A) Manage own work, professional development and ethical behaviour as a home sustainability assessor | Recommended for removal as there is significant overlap with CPPHSA4018A Manage own work, professional development and ethical behaviour which has been updated to CPPCOM4001 Manage own work, professional development and ethical behaviour.  |  |

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| **CPC Construction, Plumbing and Services Training Package** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Anticipated Equivalent statement** |
|  | [CPPHSA4008A](https://training.gov.au/Training/Details/CPPHSA4008A) Apply sustainability principles, legislation and information on government programs | Incorporated into relevant updated units.Assess household energy use and efficiency improvements; Assess household water use and efficiency improvements; Assess household waste generation and waste management improvements. |  |
|  | [CPPHSA4010A](https://training.gov.au/Training/Details/CPPHSA4010A) Estimate the cost of home sustainability measures | Significant overlap with CPPHSA4017A Cost measures to improve thermal performance of residential buildings, also recommended for deletion. The TAG advised that NatHERS and Home Sustainability Assessors don’t do formal estimates but rather provide indicative costs. The concepts of indicative costs and cost effectiveness are reflected in the units. |  |
|  | [CPPHSA4011A](https://training.gov.au/Training/Details/CPPHSA4011A) Collect information to support NatHERS assessment | Embedded in updated units CPPHES4005 Conduct thermal performance assessment of residential buildings and CPPHES5001 Conduct thermal performance assessment of complex residential buildings. |  |
|  | [CPPHSA4013A](https://training.gov.au/Training/Details/CPPHSA4013A) Conduct NatHERS assessment of existing residential buildings | Significant overlap with CPPHSA4012A Conduct NatHERS assessment of planned residential building. Updated unit refers to both existing and planned. |  |
|  | [CPPHSA4014A](https://training.gov.au/Training/Details/CPPHSA4014A) Meet regulatory requirements when completing NatHERS assessments | Embedded in relevant updated units CPPHES4005 Conduct thermal performance assessment of residential buildings and CPPHES5001 Conduct thermal performance assessment of complex residential buildings. |  |
|  | CPPHSA4016A Advise on options for enhancing thermal performance of residential buildings | Embedded in relevant units. |  |

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| **CPC Construction, Plumbing and Services Training Package** | **CPC08 Construction, Plumbing and Services Training Package** | **Comments** | **Anticipated Equivalent statement** |
|  | [CPPHSA4017A](https://training.gov.au/Training/Details/CPPHSA4017A) Cost measures to improve thermal performance of residential buildings | Significant overlap with CPPHSA4010A Estimate the costs of home sustainability measures, also recommended for deletion. The TAG advised that NatHERS and Home Sustainability Assessors don’t do costings but rather provide indicative costs. The concepts of indicative costs and cost effectiveness are reflected in the units. |  |
|  | CPPHSA5002A Assess thermal performance and energy efficiency of residential buildings | 0 enrolments for the four-year period 2014-2017. |  |
|  | CPPHSA5003A Manage quality assurance of NatHERS assessments | 0 enrolments for the four-year period 2014-2017.Auditing units, which address quality assurance have been imported into the qualification elective bank. |  |
|  | [CPPHSA5004A](https://training.gov.au/Training/Details/CPPHSA5004A)  Educate clients about thermal efficiency of residential buildings | 0 enrolments for the four-year period 2014-2017. |  |
|  | [CPPHSA5005A](https://training.gov.au/Training/Details/CPPHSA5005A) Peer review NatHERS assessments | 0 enrolments for the four-year period 2014-2017. |  |
|  | [CPPHSA5006A](https://training.gov.au/Training/Details/CPPHSA5006A) Promote low and zero carbon energy technologies in residential buildings | 0 enrolments for the four-year period 2014-2017. |  |

Project plan overview as at 3 May 2019

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| **Training Package Components**  | **Amount** |
| Qualifications to be reviewed | 2 |
| Units to be updated | 12 |
| Units developed | Nil |
| Number of units to be removed | 13 |
| Skill sets to be created | Nil |
| Qualifications to be created | 1 |