

National Plumbing Regulators Forum

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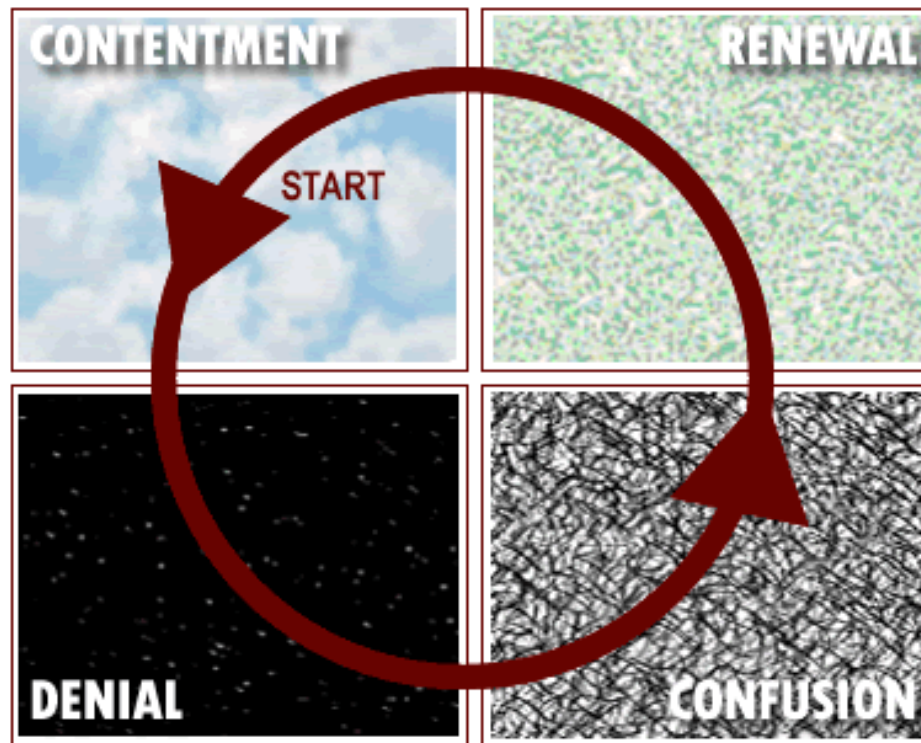
Overview

- Certificate III in Plumbing Competency Based Completion (CBC) project
- 'New' 22138 VIC Certificate II in Plumbing (Preapprenticeship)
- How to find these documents on the Training Support Network (TSN) website

Skills Victoria CBC basics

- Registered Training Organisation (RTOs) negotiate with employer and agree a CBC Training Plan that has units of competency grouped around logical clusters
- The Training Plan will inform all parties how, when and where training and assessment will be done and the expected dates for employer confirmation of RTO assessments
- Workplace confirmation tasks that enable an employer to discuss apprentice progress and confirm competency. These tasks are based on the clusters of competency in the Training Plan and written in employer friendly language
- The RTO is to make four contacts per year with the employer to discuss apprentice progress and confirm RTO assessments of competence
- All parties must sign-off the completion of the apprenticeship training when the final cluster is confirmed by the employer

Jannsen's Four Room Apartment model of change



The Four Room Apartment

Contentment	Renewal
<ul style="list-style-type: none"> • Efficient • Systems are working well • Controlled and able to focus • Happy – no need to change • Satisfied and relaxed 	<ul style="list-style-type: none"> • The way becomes clearer • Feeling strong – full of energy • Boldness to experiment and take risks • Creative and inspiring
Denial	Confusion
<ul style="list-style-type: none"> • Normal defense mechanism • Focused on other priorities • Avoid the pressures to change • Thinking about the past • Pressure to change brings annoyance, anxiety, frustration and anger 	<ul style="list-style-type: none"> • Uncertain, indecisive, and insecure • Powerlessness and tension • Lack of information breeds suspicion and rumours • Feeling your way through tentatively • Trying to form a new picture and way forward

CBC Cert III Plumbing project deliverables

1. Sample model Training Plan based on logical clustering of units of competency that identifies delivery and assessment approaches and employer confirmation points
2. Sample employer confirmation documentation that will enable employers to confirm with the training provider that the apprentice is working at industry standard. This documentation will describe workplace tasks that demonstrate that the apprentice has achieved the performance prescribed in those 'clusters' of units of competency. The tasks will be user-friendly and recognise work place demands and efficiencies

CBC plumbing project – Phase 1

1. Formed a Steering Committee, with representatives from –
 - Master Plumbers and Mechanical Services Association of Victoria
 - Air Conditioning and Mechanical Contractors Association
 - Plumbing employers
 - Plumbing Industry Commission of Victoria
 - Building Industry Consultative Council Industry Advisory Body (BICCIAB)
 - TAFE teachers
 - Union

2. CMM and three TAFE plumbing teachers created draft clusters using 85 units of competency for CPC32408 Certificate III in Plumbing

CBC plumbing project – Phase 2

1. Steering Committee reviewed and adjusted draft clusters of competencies to be used for final sample Training Plan
2. CMM and three TAFE teachers created draft workplace tasks to be used as confirmation when contacting employers
3. CMM took the sample Training Plan and sample workplace tasks for comment to:
 - TAFE plumbing teacher network
 - Plumbing employer focus group
4. Adjustments were made to the workplace confirmation tasks as a result of these comments

CBC plumbing project – Phase 3

1. Project Steering Committee members were sent the Training Plan and the draft workplace tasks to review
2. Steering Committee met and adjusted both the sample Training Plan and workplace confirmation tasks
3. A final version was produced and sent to Skills Victoria
4. The sample Training Plan and workplace confirmation tasks went onto the TSN website on 9 February 2011

Some of the challenges

1. The sample Training Plan
 - Creating a sample Training Plan from 107 units of competency and six streams of plumbing in the Certificate III packaging rules that meet the Plumbing Industry Commission (PIC) registration requirements

2. Clustering the 85 units into a sample Training Plan that would make sense to an employer
 - Credit here goes to the three teachers who grouped the units into a logical flow based on the installation of plumbing services when building a house

Sample Training Plan clusters

1. Safety and teamwork
2. Job preparation
3. Water service (main to meter/irrigation)
4. Drainage – below slab
5. Drainage – suspended
6. Drainage – storm water
7. Drainage – on-site disposal
8. Rough in – hot and cold
9. Rough in – gas
10. Rough in – stacks and vents
11. Gutters/valleys
12. Roof sheeting
13. Building lock up
14. Fit off – tap ware/plug and wastes/prime cost items
15. Fit off – gas
16. LPG
17. Maintenance
18. Fire services
19. Mechanical services – pipe work
20. Mechanical services – air handling

Some of the challenges (continued)

3. The workplace confirmation tasks
 - How to translate the critical evidence requirements for 85 units of competency into realistic workplace tasks and language that a plumber can easily understand?

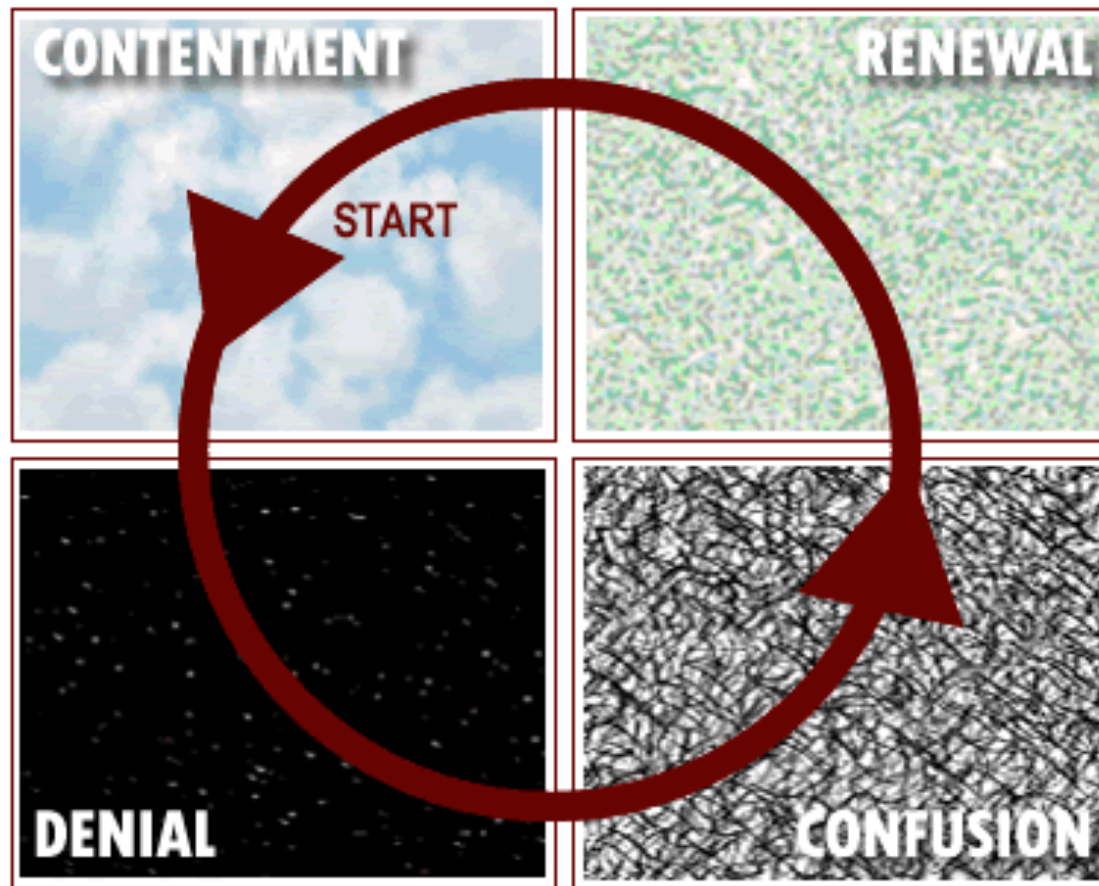
4. Skills Victoria's CBC templates
 - As we worked with various stakeholders in the process of making the CBC tools, it became evident that the existing templates for the sample Training Plan and the workplace confirmation tasks could be improved

Sample Cluster

Cluster 6 – Drainage – stormwater	
Unit code	Unit title
BCCCM2010B	Install trench support
CPCPDR2004A	Install storm-water and sub-soil drainage systems
CPCPDR2006A	Install prefabricated inspection openings and enclosures
CPCPDR2005A	Drain work site

Cluster 6 – Drainage – stormwater	Satisfactory Workplace Performance		
Indicative tasks	Yes	No	N/A
• installs and dismantles trench support systems safely	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• excavates trenches to required gradient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• installs, joins and tests pipe work according to standards/regulations and plans/specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• identifies the need for an agricultural drain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• installs agricultural drains using screenings and soil penetration barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• installs prefabricated stormwater pits and inspection openings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• selects and/or installs and commissions appropriate pumps/filters where required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

We are on a journey...





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Training Support Network

The Training Support Network (TSN) website is a service provided by the Victorian Government to Registered Training Organisations (RTOs).

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Related links

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- [Skills Victoria Training System \(SVTS\)](#)
- [training.com.au](#)

Training Support Network website

- What is a CMM and how to contact them
- Victorian Purchasing Guides
- Resources
- Curriculum
- News and newsletters
- Registering on TSN

21642VIC Certificate II in Plumbing

- Existing course was extended to 30 June 2011
- Reaccreditation process requested by Skills Victoria as preapprenticeship for another five years
- From modules to units of competency
- Prevocational or preapprenticeship?
- Consultative process led by a Steering Committee
- New 22138VIC Certificate II in Plumbing (Preapprenticeship) went on TSN in February 2011

Reaccreditation consultation

- Skills and knowledge surveys of plumbing employers and plumbing teachers was undertaken
- Steering Committee set up including:
 - Industry associations
 - Regulator
 - Union
 - CMM
 - Industry Training Advisory Board
 - TAFE institutes
 - Teacher network group
 - Employers

Reaccreditation of Cert II in Plumbing

- Meeting between industry, union and Skills Victoria resolved the prevocational versus preapprenticeship issue by agreeing to a preapprenticeship
- Skills Victoria agreed to fund a Recognition of Prior Learning (RPL) project to develop tools and processes to give recognition for students that complete new Victorian Certificate II and enroll in CPC32408 Certificate III in Plumbing
- CMM will be looking for assistance from stakeholders to create these RPL resources during 2011



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Curriculum

The Training Support Network (TSN) website provides access to Victorian state accredited curricula which have been developed to provide the skills and knowledge not covered by national training packages.

The curricula is listed below and can be filtered by certificate level and/or CMM area.

Filtering options:

Filter

Code	Title
? 21844VIC	Certificate II in Building and Construction (Insert stream) Preapprenticeship
? 21533VIC	Certificate II in Joinery Shopfitting Stairbuilding Preapprenticeship
? 22138VIC	Certificate II in Plumbing (Preapprenticeship)
? 21642VIC	Certificate II in Plumbing (Prevocational)
? 22003VIC	Certificate II in Signage

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Questions ?

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TSN website:

www.trainingsupport.otte.vic.gov.au