

Australian
Industry and
Skills Committee

SILICA SAFETY PROJECT

Case for Endorsement

Name of allocated IRC(s): Construction, Plumbing and Services (CPC)
Name of the SSO: Artibus Innovation

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

1. Artibus/TPD/2020-21/001 Activity Order.
2. Approval date: 12 August 2020 (Project 5 – CPC Silica – Skills Forecast).
3. AISC approval to develop up to six units of competency on silica safety to address identified skill needs.

1.2 Timeframes and delays

The original Activity Order was to be submitted by June 30 2021, but was given an extension to 14 March 2022 to provide greater opportunity for consultation and industry input.

Progress of the activity has been challenged by several industry issues which have required careful navigation. The issues that have required resolution relate to conflicts of interest and the existence of an existing nationally registered course 10830NAT Course in Crystalline Silica Exposure Prevention owned by Creative Safety Initiatives Trust. In relation to this course, its owners raised several concerns:

- The potential duplication of training on the National VET Register.
- Potential breaches of copyright in relation to its course being used to inform the Australian Industry and Skills Committee (AISC) activity.
- potential mismanagement of conflicts of interest by the Industry Reference Committee (IRC).

All three matters were addressed through multiple rounds of correspondence with the AISC, the AISC Secretariat, the IRC and the Service Skills Organisation (SSO).

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.

This activity proposes the introduction of four new units of competency to minimise the risk of respirable crystalline silica (RCS) in the construction industry.

RCS is a known hazard generated when manipulating products and materials containing silica that can lead to lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease. It is estimated that 230 Australians a year will develop lung cancer due to past exposure. This risk is predominantly born by construction workers, alongside miners, farmers and engineers. Recent years have seen a notable rise in silica-related illness and death, particularly evident in Queensland and linked to an increase of engineered stone.

It is estimated that in 2011, approximately 587,000 Australians were exposed to silica dust whilst working, and that 5,758 will eventually develop lung cancer. Workers in engineered stone benchtop manufacturing, finishing and installation are at particular risk, as this comparatively new material contains up to 95% crystalline silica, as distinct from natural stone's crystalline silica composition of 5%-50%.

The [Final Report of the National Dust Disease Taskforce](#) (NDDT) noted that there was a lack of dust-specific safety training at a national level and that education and training outcomes should form part of the roadmap going forward.

In recognition of the issue, there has been a rise in jurisdictional and membership-based courses and government-funded Work Safe and SafeWork awareness campaigns designed to improve educational and training outcomes around harmful crystalline silica exposure.

The Construction IRC has received petitions to develop nationally consistent training products around silica safety. For instance, in pages 80-81 of the [CPC Construction and Plumbing Services Industry Skills Forecast 2020](#), there is an example of SafeWork NSW writing to Artibus Innovation in October 2019 requesting that units of competency be developed in the following areas:

1. working with silica-containing products
2. the development of a general awareness course
3. greater emphasis in the Elements and Performance Criteria of relevant units of competency on silica-containing products.¹

Other ideas suggested have included developing units of competency at different AQF levels around:

4. working with silica-containing products
5. supervision of people working with silica
6. conducting air monitoring of worksites affected by silica dust.

The Construction IRC noted that silica safety training should be a sector-wide requirement for the building and construction industry given that anyone entering a worksite is potentially 'at risk' of exposure. It was also agreed that while all construction workers are potentially exposed, there exists a scale with those most 'at risk' including the building and construction occupations working closest with products containing the highest levels of crystalline silica (e.g., stonemasons and others working with engineered and natural stone).

The Construction IRC advised that silica awareness training should span the various responsibility levels from pre-trades to supervisors and managers. An even more holistic view forwarded was that minimising exposure spans the entire supply chain from manufacturing, supplying, installation to demolition.

The training products developed in this activity therefore cover:

1. awareness of silica exposure, for new entrants and apprentices
2. use of respiratory protective equipment
3. working with materials and products containing RCS
4. supervising work involving methods, materials and products containing RCS.

¹ Artibus Innovation, 2020, *Construction and Plumbing Services: Industry Skills Forecast 2020*, https://artibus.com.au/wp-content/uploads/2020/07/Construction_Plumbing_Services_ISF-2020.pdf (accessed 12 Jan. 2021).

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

Silica dust exists across a range of products and materials utilised in the building and construction and other industries such as tunnelling, quarrying and sandblasting. The stakeholder engagement strategy therefore sought to invite input from a range of sectors. Lists of organisations were sourced from an internet search and recommendations from the IRC resulting in a working group being formed.

The NDDT released its report and recommendations during the project and specific engagement was sought with their contributing organisations. The Department of Health team that oversaw the NDDT was contacted and invited to participate in the development of the units of competency. Some 23 prominent individuals and organisations had made public submissions to the NDDT and these stakeholders were also approached.

SafeWork NSW submitted a request to the IRC outlining the need for training in this area.

The Australian Institute of Occupational Hygienists (AIOH) shared news of the review to their membership list consisting of around 1000 members as did tool manufacturer Hilti Australia with over 500 connections.

Other groups targeted included peak bodies, distributors, fabricators, suppliers, retailers, building developers, work health and safety (WHS) assessors, Hebel, stone suppliers and kitchen makers.

Stakeholders who had actively participated in finalised projects such as brick and block laying and stonemasonry, demolition and concreting were approached as 'at risk' occupations within the CPC Construction, Plumbing and Services Training Package and invited to comment.

Other sectors were also approached, including tunnelling, quarrying, sandblasting, mining, cement and concrete manufacturers, steel fixing, engineering, painting, landscape gardening, architecture and interior design.

3.2 Strategies for engaging stakeholders

Working Group and IRC

The IRC established a working group of recognised experts from WorkSafe, industry and Registered Training Organisations (RTOs). This group met ten times throughout the project providing input on the development of the training products.

Each member, under their terms of reference, was encouraged to consult their own networks for input. This strengthened the technical robustness of the training product and drafting of the units of competency. The units of competency were made public on two occasions, for consultation and validation. Significant effort was made to 'let everyone know' and encourage (and prompt) feedback through 15 newsletter posts, 8 tweets, 15 LinkedIn posts and 6,176 project pages views on the Artibus Innovation website.

Consultation Strategy (7 WEEKS: 11 August – 30 September 2021)

4,734 individuals, businesses and organisations were invited through the Artibus Innovation newsletter (on 15 occasions over the life of the project), direct email, working group and IRC networks and social media (8 tweets and 15 LinkedIn posts over the life of the project).

Four bulletins and promotion of the project web page and feedback tools were made on three separate occasions over seven weeks. Over 80 people participated in the survey process.

Stakeholders were also invited to make direct submissions to the IRC.

41 respondents provided complete survey responses and 7 written submissions were received.

Validation Strategy (5 WEEKS: 24 November 2021 – 1 January 2022)

Following review and resolution of all the feedback from the consultation round, four draft units of competency were then presented nationally for comment over a five-week duration from 24 November 2021 to 1 January 2022.

4,761 individuals, businesses and organisations were invited on two separate occasions to provide feedback through the online portal. This included all active stakeholders identified during the consultation and others that had joined since.

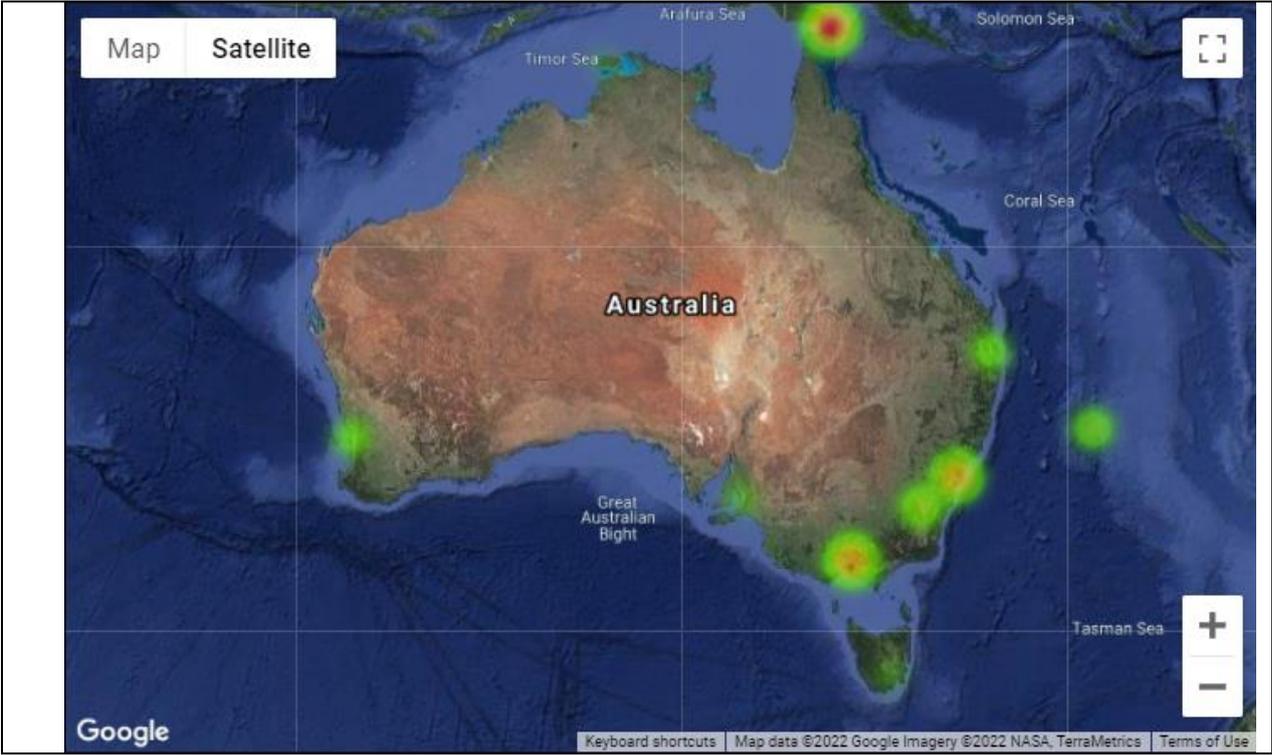
A second online briefing was held on 1 December 2021 for which 20 people registered and 14 industry stakeholders attended.

Response rates were monitored throughout the consultation process. Several rounds of prompting occurred to elicit responses through various digital channels, email as well as 52 direct phone meetings with key stakeholders.

22 respondents provided complete survey responses and 4 written submissions were received.

3.3 Participation by different types of stakeholders

1. Stakeholder participation was supported in each state and territory using the state chapters of Master Builders Australia, the Construction, Forestry, Maritime, Mining and Energy Union (CFMMEU) and the AIOH.
2. In the NT, the Industry Skills Advisory Council NT facilitated consultation and validation with its industry stakeholders.
3. Employer and industry with Australia-wide operations were represented on the working group. Working group members facilitated participation by consulting with their state and territory counterparts in major cities and regional areas.
4. Remote stakeholders were linked into the project indirectly through discussions with companies which have contracts in the mining and industrial sectors.
5. In total, responses were received from every state and territory, in total 189 locations in Australia as shown in the heat map on the following page:



4. Evidence of industry support

4.1 Industry support

1. The IRC has overseen the training product development and has approved progress at each stage.
2. At both consultation and validation, the majority view as well as dissenting views were considered and resolved by the working group and IRC, resulting in a training product that has the support of industry.
3. Industry representatives volunteered a significant amount of their time to be involved on the working group (10 meetings). Their willingness to participate reflected their shared commitment to improving the nationally available training products and so raise safety for products containing RCS.
4. Working group members advised their wider networks to review the newly developed units of competency.
5. Experts in developing safer tools and equipment to limit and control airborne silica particles have indicated their support. Consultation with these experts contributed significantly to the development of four new units of competency for the sector.

4.2 Engagement of States and Territories

1. All State and Territory Training Authorities (STAs) were kept abreast of the project's progression. STAs were also invited to participate in the webinars and a targeted online meeting at validation stage was held, at which the project manager provided an overview of the project and was available to answer questions.
2. Representatives from the Department of Training and Workforce Development, WA and the Industry Skills Advisory Council NT; Victoria's Curriculum Maintenance Manager participated in online consultation sessions.

The State Training Authorities were offered the opportunity to review the Case for Endorsement and agree to it progressing for endorsement by the AISC. Following are the comments received.

STA	Supported	Comment	Date	STA Officer
ACT	Y/N	The ACT will support three of the four units in the case for endorsement. Based on stakeholder feedback we will not support the endorsement of CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica. The inclusion of the unit in a Certificate II qualification would reach only students in programs that do not require an employment contract. There was also the view that the performance criteria could ultimately create a potential risk for both the RTO and the student. On balance the CPCSIL1001 is not fit for purpose in the ACT training environment.	17/3/22	André Diez de Aux
NSW	Y	The Department has considered the issues raised in this project by CFMMEU and other stakeholders. As documented in the CfE, the measures taken, and clarification provided to address these issues are sufficient and satisfactory. NSW confirms support for the Case for Endorsement	15/3/22	Marilyn Ng

		- Silica Safety Project.		
NT	Y	Following consultation by ISACNT with a range of industry stakeholders it was agreed that there is an importance to have public national training standards available on the National Register. The NT STA therefore has not objection to the AISC considering for approval the CPC Construction, Plumbing and Services Training Package – Silica Safety Project Case for Endorsement.	11/3/22	Nelson Browne
Qld	Y/N	Queensland provides their support to progress to the AISC for consideration except for CPC330920 Prepare to work safely with products and materials containing crystalline silica proposed unit of competency. Industry stakeholders have a number of concerns around the assessment arrangements particularly around simulated environment, therefore, we believe that more work needs to be done.	09/3/22	Filippa Ross
SA	Y	Please be advised that based on support from SA stakeholders, SA STA supports this case for endorsement.	22/3/22	Irina Ferouleva
TAS	Y	Thanks, and providing any issues raised by Tasmanian stakeholders regarding the Silica project draft consultation have been addressed, Skills Tasmania has no feedback.	9/9/21	Michael McGee
VIC	Y	The Victorian STA is pleased to support the progression of the project to the AISC for approval consideration.	11/3/22	Jacqui Spencer
WA	Y	Based on the materials provided, the Western Australian State Training Authority supports the Case for Endorsement for the CPC Construction, Plumbing and Services Training Package Release 8.	14/3/22	Frances Parnell

4.3 Mitigation strategies

Further information was sought from the ACT and Qld to address their concerns. No further information has been received from Qld (as at 23/3/22) and the ACT response follows:

1. *The inclusion of the unit in a Certificate II qualification would reach only students in programs that do not require an employment contract.*

Artibus Response: Units of competency are standalone and can be imported into any qualification where the packing rules allow. For example, an RTO delivering CPC330920 – *Certificate III in Bricklaying and*

Blocklaying might reasonably consider that the delivery of CPCSIL1001 *Prepare to work safely with products and materials containing crystalline silica* is a relevant industry-supported unit of competency to include in their delivery of the qualification.

ACT response: *All students in the Cert II construction are in programs that do not require an employment contract. With the unit as an elective many students may not be exposed to it. As you point out the unit can be packaged with any qual but the decision rests with the RTO and again as an elective it is unlikely to reach everybody that requires it.*

Artibus comment: This applies to every elective unit of competency on the National Training Register and equally to any accredited course.

2. *There was also the view that the performance criteria could ultimately create a potential risk for both the RTO and the student.*

Artibus Response: Expert advice: We sought expert advice from the government endorsed quality assurance panel on the inclusion of “slurry”. The panel member who completed the Quality Assurance Report advised that the inclusion of slurry supports consistency across Performance Criteria and the Performance Evidence. The inclusion of “slurry” was not deemed non-compliant and was considered in line with the intent/scope of the unit.

Risk to both RTO and student: ACT had expressed concern that this is a “knowledge” unit of competency and that the demonstration of practical skills is not required as this may include exposure to Silica. The Assessment Conditions clearly outline the safety requirements necessary to deliver this unit and allows the unit to be delivered in a simulated work environment, where there will be no exposure to silica. This unit, like all other units, is a competency-based unit of competency.

Please let me know if I am incorrect in thinking that "slurry" is the issue of concern.

ACT Response: *As you stated the units can be packaged in any qualification so where the environment is not simulated but a work exposure, the risk is real.*

Artibus comment: This applies to every unit of competency delivered on a worksite.

4.4 Letters of industry support

Letters of support can be found at Attachment G.

5. 5. Dissenting views

5.1 Dissenting views/issues raised

Potential duplication of training on the National VET Register

Concerns regarding duplication of training on the National Register was addressed with a response to the Construction IRC from Emeritus Professor Tracey Horton AO, Chair of the AISC, on 5 July 2021 as follows:

Training Packages define the skills and knowledge needed by learners to perform a job. Training Package products are developed when an industry need for training not already covered by a current Training Package is identified. VET accredited courses, in contrast, are designed to address skill requirements where these are not covered in nationally endorsed Training Packages.

While an accredited course must not duplicate the outcomes of an endorsed Training Package, there is no policy impediment to the development of national Training Package products which may duplicate accredited courses previously approved by the Australian Skills Quality Authority (ASQA). Training Package developers should consider copyright issues that could arise if a Training Package product reproduces in whole, or a substantial part, the content of an accredited course.

As with all Training Package projects, the AISC's key focus in considering the Case for Endorsement arising from the 'Silica Safety Awareness' project will be on evidence of industry need for the proposed training products, and evidence of broad industry support. For more information regarding AISC expectations regarding the Training Package development process, including regarding stakeholder consultation, please refer to the Training Package Development and Endorsement Process Policy.

Potential breaches of copyright in relation to its course being used to inform the AISC's activity

Concerns were raised with both the AISC and IRC, by a private training organisation, claiming that the newly developed unit of competency, *CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica*, duplicated a nationally accredited course [10830NAT – Course in Crystalline Silica Exposure Prevention](#).

AISC responded to the RTO on 25th August 2021 as follows:

Thank you for your letter of 7 June 2021 outlining the concerns of Creative Safety Initiatives regarding the development of a silica safety awareness unit of competency for inclusion on the National Register of VET and the potential duplication with the accredited course 10830NAT Course in Crystalline Silica Exposure Prevention. I understand you have also written to the Australian Skills Quality Authority on this matter. The AISC is committed to ensuring that national training packages reflect the skills and knowledge required to perform effectively in contemporary job roles, including in relation to operating safely in the workplace. The AISC approved a project proposed by the Construction, Plumbing and Services Industry Reference Committee (the IRC) to develop nationally consistent training for silica safety awareness given strong evidence of growing skills needs in this area. The AISC sees no policy impediments to the development of an endorsed training package for Silica Safety Awareness.

The Construction IRC discussed this matter and confirmed that the SSO, the developers of the units of competency, had no access to the accredited course and therefore could not have infringed any copyright issues. The issue was further resolved through correspondence between the AISC secretariat and the SSO.

There were a number of other issues raised during the validation stage which were considered by the working group and reported to the IRC.

See Working Group Register of Interests and Attendance record at Attachment I.

Management of conflict of interest

Concerns were also raised with the AISC relating to the management of perceived and actual conflicts of interest. The IRC, in discussion with the AISC secretariat, put in place tightened processes and procedures to manage this issue in accordance with the operating framework. The AISC noted the resolution of this matter in correspondence dated 15 August and 19 October 2021 and appropriate registers have been maintained by both the working group and IRC.

The AISC Chair's letter of 5th July 2021 clearly stated "the AISC does require that any cases for endorsement where such conflicts, perceived or actual, exist include documented evidence that these conflicts have been appropriately managed." The AISC Chair's further letter of 18th November 2021 again stated that "I request the Case for Endorsement for the silica project should be accompanied by:

- Evidence documenting how conflict of interest issues were managed for the remainder of the project, including providing confirmation that conflicted members provided statements advising how they would undertake their IRC responsibilities.
 - Thorough records of stakeholder feedback received during the consultations, including very clear documentation of the IRCs response to this feedback, and a detailed rationale where the IRC determines to take a different position to what is advised through the consultation process."
- See IRC Conflict of Interest Register at Attachment H.

5.2 Rationale for approval

All stakeholders acknowledge the need to support skills development and minimise the risk of harm from RCS in the construction industry. The issue is widely recognised as an issue of national significance requiring a national response.

Despite divergent views, the IRC continued to support development of all four units of competency to ensure that there is a nationally consistent training standard available and accessible to any RTO that wishes to add the units of competency to their scope and subsequently support accessibility to all learners.

6. Reports by exception

N/A

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 mandatory workplace requirements in the four units of competency that comprise the silica safety project. Assessment of performance can be undertaken in either a workplace or a simulated workplace environment.

8. Implementation of the new training packages

8.1 Implementation issues

The inclusion of the four new units of competency into the National Register:

- does not impact existing STA funding agreements
- will coexist with *10830NAT – Course in Crystalline Silica Exposure Prevention* private accredited course but will offer the training providers an opportunity to have public access to national silica workplace standards and training delivery.

8.2 Potential for traineeship or apprenticeships

The introduction of four new standalone units of competency into the National Register on VET can only be included in a traineeship or an apprenticeship when they are incorporated into a qualification through its packaging rules.

During the validation stage, the framework outlined below was put forward to industry to gather stakeholder feedback on which CPC Construction, Plumbing and Services Training Package qualifications were best placed to accommodate the inclusion of the silica units of competency.

Unit of competency	Proposed qualification for unit inclusion
CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica	CPC20120 Certificate II in Construction
CPCSIL2001 Use and maintain respiratory protective equipment	CPC32320 Certificate III in Stonemasonry
CPCSIL3001 Work with products and materials containing crystalline silica	CPC32320 Certificate III in Stonemasonry
CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica	CPC41020 Certificate IV in Demolition

At its 22 February 2022 meeting, the IRC agreed to include the new silica units of competency as electives across the qualifications, as per the framework outlined above. The qualifications will be published on the National Register via minor release and form part of the CPC Construction, Plumbing and Services Training Package Release 8.0 – Silica Project.

8.3 Occupational and licensing requirements

At the time of publication on the National VET Register, there will be no linkages between the proposed training products and occupational and licensing requirements as the units of competency are new entries to the National Register on VET.

At the concluding stages of the project Safe Work Australia released a *Code of Practice: Managing the risks of respirable crystalline silica from engineered stone in the workplace*. Whilst the

CPCSIL3001 Work with products and materials containing crystalline silica unit has been designed to provide support to this Code of Practice, the IRC notes that the specifics of issues related to engineering stone will need further consideration.

Victoria has introduced new regulations – Occupational Health and Safety Amendment (Crystalline Silica) Regulations 2021 – which include a requirement for any employer or self-employed person who works with engineered stone to obtain a licence.

NSW has also introduced a Code of Practice – *Managing the risks of respirable crystalline silica from engineered stone in the workplace* which commenced on 25th February 2022.

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

N/A

9. Quality Assurance

The Case for Endorsement meets the following requirements:

1 Standards for Training Packages 2012	<input checked="" type="checkbox"/>
2 Training Package Products Policy	<input checked="" type="checkbox"/>
3 Training Package Development and Endorsement Process Policy	<input checked="" type="checkbox"/>
4 Companion Volume Implementation Guide is available and quality assured.	<input checked="" type="checkbox"/>

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

The proposed four new units of competency for the silica safety project, once endorsed, are likely to have widespread applicability across a range of applicable qualifications in the CPC Construction, Plumbing and Services Training Package going forward.

A Training Needs Analysis paper was presented to the Construction IRC at their meeting on Tuesday, 9 February 2021. The paper was requested by the Construction IRC Chair to inform the development process of the silica safety project. The paper found that there are no standalone units of competency in the national training system that explicitly mention "silica" or "silicosis" from a unit title perspective. While awareness about the dangers posed by silica dust exposure have been systematically incorporated into the CPC Construction, Plumbing and Services units of competency in recent years, as a simple generalised dot point in the Knowledge Evidence section, this was viewed as insufficient for industry given the notable rise in silica-related illness and deaths in recent years. The paper also identified that although there has been a rise in jurisdictional and membership-based courses and government-funded awareness campaigns designed to improve educational and training outcomes around harmful crystalline silica exposure, the national training system and all national Training Packages are lacking such components.

A keyword search of the word "silica" into national register of VET locates one search result being the nationally accredited course known as [10830NAT – Course in Crystalline Silica Exposure](#)

	<p><u>Prevention</u>. As the course and its content is privately owned, it cannot be integrated into the CPC Construction, Plumbing and Services Training Package either as a prerequisite, qualification or unit of competency. On this basis, four units of competency dealing with a range of applications from awareness through to supervision/management have been developed as part of the silica safety project that may be imported into a variety of applicable qualifications within the CPC Construction, Plumbing and Services Training Package if endorsed.</p>
	<p>This project will add four new units of competency to the CPC Construction, Plumbing and Services Training Package.</p>

<p><i>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</i></p>	<p>The proposed training components have been developed in close consultation with regulatory and industry stakeholders. The units of competency Elements and Performance Criteria have been written to better reflect current industry skills, knowledge and work practices. The Performance Evidence and Knowledge Evidence have similarly been articulated to align with WHS legislation and current or successor Australian Standards. The assessment requirements reflect employer expectations of the skills and knowledge graduates would need to bring to the workplace to ensure safest industry practices are observed.</p>
<p><i>Ensure the training system better supports individuals to move more easily between related occupations</i></p>	<p>The introduction into the national training system of four units of competency that reference "silica" with the intent of improving health and safety outcomes across the CPC Construction, Plumbing and Services Training Package will provide depth and breadth of choice supporting individuals move between related occupations and industry sectors as the units of competency support a range job levels and responsibilities in relation to approaches towards silica safety. The units of competency provide an opportunity for individuals to expand their employment and career options from an entry-level awareness perspective to a working safely with products and material containing RCS within area of responsibility, to a supervision and managerial level.</p>
<p><i>Improve the efficiency of the training system by creating units that can be owned and used by multiple industry sectors</i></p> <p><i>Foster greater recognition of skill sets and work with industry to support their implementation</i></p>	<p>The project has developed four units of competency that reference "silica" from a unit title perspective and though they have a construction focus they will be applicable across different industry sectors.</p> <p>The four units of competency developed are standalone and will be assigned to particular CPC Construction, Plumbing and Services Training Package qualifications to be determined by the Construction IRC.</p>

11. A link to the full content of the proposed training package component(s)

The AISC should be provided with a link to the full, developed training package component(s) to be approved under the Case for Endorsement.

A link to the training package components proposed for endorsement is included here.

This Case for Endorsement was agreed to by the [name] IRC

Name of Chair

Stuart Maxwell

Signature of Chair



Date

17 March 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
<i>Units of competency</i>				
CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica		New	N/A	N/A
CPCSIL2001 Use and maintain respiratory protective equipment		New	N/A	N/A
CPCSIL3001 Work with products and materials containing crystalline silica		New	N/A	N/A
CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica		New	N/A	N/A

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
N/A		

Attachment C: Stakeholder consultation

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

Name	Organisation	Title	Industry	Representation Type	State	Involvement
<i>First Last</i>	<i>e.g. Safe Work Australia</i>	<i>e.g. Director, WHS policy</i>	<i>e.g. Business Services</i>	<i>e.g. Employer</i>	<i>e.g. ACT</i>	<i>e.g. Webinar</i>
Stuart Maxwell	CFMMEU	Construction IRC Chair & Senior National Industrial Officer CFMMEU; Chair of Silica Safety Project	Construction; Education and Training	Trade Union	National	Working Group Chair Survey Respondent Webinar
Jennifer Lawrence	Master Builders Australia	Construction IRC Member & Senior Adviser Industry Policy MBA	Construction; Education and Training	Representative Association	National	Working Group Member
Tony Lopez	HIA	Assistant Director	Construction; Education and Training	Representative Association	National	Working Group Member
Sam French	HIA	National Business Development Manager - HIA Training	Construction; Education and Training	Representative Association	National	Working Group Proxy
Karissa Slavin	SafeWork Australia	Occupational Hygiene Policy & Assistant Director	Public administration and safety	Regulator/Licensing Authority	National	Working Group Member
Dr Sam Hamilton	Safe Work Australia	Director, Occupational Diseases and Chemical,	Public administration and safety	Regulator/Licensing Authority	National	Working Group Member

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Prue Watt OAM	Safe Work Australia	Policy Officer	Public administration and safety	Regulator/Licensing Authority	National	Working Group Proxy
Peter David Aspinall	WSP in Australia & New Zealand	Principal Occupational Hygienist (COH, MAIOH, MNZOHS)	Construction	Employers/Industry	National	Working Group Member
Robert Alford	Compliance and Enforcement, WorkSafe ACT	Director	Public administration and safety	Regulator/Licensing Authority	ACT	Working Group Member
Matt Davis	WorkSafe ACT	Compliance and Enforcement	Public administration and safety	Regulator/Licensing Authority	ACT	Working Group Proxy
Jackii Shepherd (proxy for Robert Alford)	WorkSafe ACT	Occupational Hygiene	Public administration and safety	Regulator/Licensing Authority	ACT	Working Group Proxy
Michael Weller	SafeWork NSW	State Inspector	Public administration and safety	Regulator/Licensing Authority	NSW	Working Group Member Webinar Survey Respondent
Meagan McCool	SafeWork NSW	Director, Chemicals, Explosives and Safety Auditing, Better Regulation Division, Department of Customer Services	Public administration and safety	Regulator/Licensing Authority	NSW	Working Group Member

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Andrew Park	Fusion WalanMiya Group	CEO	Construction; Education and Training	Registered Training Organisation (RTO)	NSW	Working Group Member
Eve Speyers	WorkSafe Service Industries	Principal Scientific Officer and Team Manager	Public administration and safety	Regulator/Licensing Authority	WA	Working Group Member
Brett Schimming	Construction Skills Queensland	Chief Executive	Construction; Education and Training	Employers/Industry	QLD	Email correspondent
Michelle Canny	Construction Skills Queensland	Director, Policy Analysis and Performance Reporting	Construction; Education and Training	Employers/Industry	QLD	Working Group Member
Steve Sullivan	TAFE Queensland	Stonemasonry Teacher	Construction; Education and Training	Registered Training Organisation (RTO)	QLD	Working Group Member
Brian Chamberlin	WorkSafe Victoria	Construction Industry Education Officer & Inspector,	Public administration and safety	Regulator/Licensing Authority	VIC	Working Group Member
Brock Elliss	Master Builders Association South Australia	SQE Manager	Construction; Education and Training	Representative Association	SA	Working Group Member Survey Respondent
Dave Noonan	CFMMEU Construction Division	National Secretary	Construction; Education and Training	Trade Union	National	Working Group Proxy

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Nigel Davies	CFMMEU	National Assistant Secretary	Construction; Education and Training	Trade Union	National	Working Group Proxy Survey Respondent
Ross Davidson	CFMMEU	Workplace Impairment Officer	Construction	Trade Union	QLD/NT	Working Group Proxy Webinar
Shane Roulston	Australian Workers Union	National Organising Director	Construction	Trade Union	National	Working Group Proxy
Heath Bayly	National Heads of Workplace Safety Authorities	Principal Secretariat Coordinator	Policy and Governance	Government	National	Phone
Kelly Hughes	Department of Health	Assistant Director – Dust Disease Policy and Project Section	Health Prevention	Government	National	Phone
Martin Jennings	Australian Institute of Occupational Hygienists	Chair, External Affairs Committee	Professional Association	Representative Association	National	Survey Respondent
Dr Sharann Johnson	Australian Institute of Occupational Hygienists	Secretary	Professional Association	Representative Association	National	Phone
Prof Sharyn Gaskin	The University of Adelaide	Director, Adelaide Exposure Science and Health	Research	Higher Education	SA	Phone
Robyn Gibson	Cement Concrete and Aggregates Australia	Executive Secretary	Peak Body	Employers and Industry	National	Phone

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Ahmed Hamodeh	Advance OHS	Director	Construction; Education and Training	Registered Training Organisation (RTO)	NSW	Survey Respondent
Robyn Delander	Health & Safety Advisory Service Pty Ltd	CEO	Education and Training	Registered Training Organisation (RTO); Representative Association	NSW	Survey Respondent
Graeme Drew	TAFE NSW	Architect Teacher	Construction; Education	Registered Training Organisation (RTO)	NSW	Survey Respondent
Mark Baker	South Regional TAFE	Lecturer Mortar Trades	Construction	Registered Training Organisation (RTO)	WA	Survey Respondent
Glenn Raine	TAFE QLD	Educator / Content writer	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	QLD	Survey Respondent
Ritesh Patel	HIBBS	Occupational Hygienist	Construction	Employers/Industry	NSW	Zoom
Edgar Medina	HIBBS	Senior Auditor	Construction	Employers/Industry		Zoom
Jennifer Mason	Victorian Building Authority (VBA)	Senior Policy Advisor, Education and Training	Construction	Regulator/Licensing Authority	VIC	Survey Respondent
Andrew Carswell	The Young Group	Safety Quality and Compliance Manager	Construction	Employers/Industry	TAS	Survey Respondent
Shane Enderby	Di Prinzie Concreting	WHS Manager	Construction	Employers/Industry	NSW	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Michael Dobson	Michael Dobson Building Pty Ltd	Managing Director	Construction	Regulator/Licensing Authority	TAS	Survey Respondent
Michael Morrisey	Survey Respondent	CEO	Construction; Education	Registered Training Organisation (RTO)	VIC	Email
Leif Klok	Multiform Joinery Pty Ltd	Managing Director	Construction	Employers/Industry	QLD	Survey Respondent
Michael O'Donnell	MKO Consulting Pty Ltd	Builder/ Building Consultant	Construction; Education and Training	Employers/Industry	NSW	Survey Respondent
Ronald McGeoch	Q A Site Control	Safety Consultant	Construction	Registered Training Organisation (RTO); Representative Association	NSW	Survey Respondent
John Stevenson	Stenik Construction P/L	Director -Trainer	Construction; Education and Training	Registered Training Organisation (RTO)	NSW	Survey Respondent
Julie Bevacqua	Master Builders Association	Quality Assurance Coordinator	Education and Training	Registered Training Organisation (RTO)	NSW	Survey Respondent
Charlotte Sutton	MBA WA	State Training and Workforce Development Manager	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO); Representative Association	WA	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Harry Asche	Aurecon	President, Australian Tunnelling Society	Professional, scientific and technical services	Employers/Industry	QLD	Phone Survey Respondent Webinar
Scott Dalton	TASTAFE	Teacher	Education and Training	Registered Training Organisation (RTO)	TAS	Survey Respondent
Grant		Plumber	Construction	Teacher	NSW	Survey Respondent
Martin Stirling	Hilti	Head of Tool and Asset Management Solutions	Construction	Employers/Industry	NSW	Phone Survey Respondent
Shelley Rowett	SafeWork SA	Chief Advisor Work Environment	Regulator/Licensing Authority	Regulator/Licensing Authority	SA	Survey Respondent
Brett Pfeffer	SafeWork SA	Principal Industry Adviser Construction	Regulator/Licensing Authority	Regulator/Licensing Authority	SA	Phone
Richard Henry Lansdowne	AusEduAdvisor Pty Ltd	Director / Principle Advisor	Construction; Education and Training	Registered Training Organisation (RTO)	NSW	Survey Respondent
Luke Emmett	LJ Emmett Building	Project Foreman	Construction	Employers/Industry	TAS	Survey Respondent
Matthew O'Brien	Swinburne University of Technology	TAFE Teacher - Bricklaying	Construction; Education and Training	Registered Training Organisation (RTO)	VIC	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Wayne Eilander	Eilander Building	Low Rise Builder	Construction	Regulator/Licensing Authority	TAS	Survey Respondent
Russell Oakes	R.J.Oakes & Associates	Building Consultant	Construction	Employers/Industry	TAS	Survey Respondent
Dayle	O'Neill Constructions	Builder	Construction	Registered Training Organisation (RTO)	TAS	Survey Respondent
Camila	WorkSafe Tasmania	Employee	Public administration and safety	Regulator/Licensing Authority	TAS	Phone
Karen Palmer	Cord Civil	Safety Manager	Construction	Employers/Industry	ACT	Survey Respondent
Peter Forsingdal	Hutchinson Builders	Operations Manager Workforce Development	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	QLD	Survey Respondent
Graham Stewart	OHS Safety First	Safety Director	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO); Representative Association	NSW	Survey Respondent
Roula Tsiolas	Australian Industrial Systems Institute	Managing Director/CEO	Construction; Education and Training	Registered Training Organisation (RTO)	VIC	Survey Respondent
Dr KC Wan	MLCOA	Specialist in Occupational and Environment Medicine	Professional, scientific and technical services; Chairman/Member	Consultant Occupational Physicians	WA	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
			WorkCover WA Industrial Diseases Medical Panel (IDMP)			
Malcolm Beer	Master Builders Association of the ACT	Carpentry Trainer	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO); Representative Association	ACT	Survey Respondent
Scott		Carpenter	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	ACT	Survey Respondent
Steve Hall	College of Electrical Training	General Manager	Electricity, Gas, Water and Waste Services; Education and Training	Registered Training Organisation (RTO)	WA	Survey Respondent
Gerry Ryan	SkillsTech TAFE QLD	Leading Teacher	Construction	Registered Training Organisation (RTO)	QLD	Survey Respondent
David Sainsbury	Novaskill	Trainer/Assessor	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	NSW	Survey Respondent
G Englert	Deccon	Director	Construction	Employers/Industry	Qld	Survey Respondent
James Charlwood	Cathedral Stone	Stonemason	Construction	Employers/Industry	VIC	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Liam O'Hearn	CFMMEU	Apprentice Officer	Construction	Employers/Industry; Registered Training Organisation (RTO)	VIC	Survey Respondent
Scott Kildey	IC Formwork	Safety Manager	Construction	Employers/Industry	ACT	Survey Respondent
Bianca Neve	Multiplex	Training Coordinator	Construction	Employers/Industry	QLD	Survey Respondent
David Connors	Victorian Building Authority	Practitioner Assessor - Building	Construction; Education and Training; Public administration and safety	Employers/Industry	VIC	Survey Respondent
Victoria Zhou	Future Skills International	CEO	Construction; Electricity, Gas, Water and Waste Services; Education and Training	Registered Training Organisation (RTO)	QLD	Survey Respondent
Darren McGrath	Superior Walls & Ceilings (Aus) Pty Ltd	Workplace Health, Safety & Training Officer	Construction	Employers/Industry	QLD	Survey Respondent
Jo Kramer	Construction Skills Training Centre	Compliance Manager	Construction; Education and Training	Registered Training Organisation (RTO)	WA	Survey Respondent
Anthony Vitler	Creative Safety Initiatives	Acting CEO	Construction; Education and Training	Registered Training Organisation (RTO)	ACT	Webinar Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Donovan de Ligt	Construction Control	HSEQ Manager	Construction	Employers/Industry	ACT	Survey Respondent
Simon Last	CITC - Construction Industry Training Centre	CEO	Education and Training	Registered Training Organisation (RTO)	SA	Survey Respondent
Michael Lane	Charles Darwin University	Trainer/Assessor (Plumbing)	Education and Training	Registered Training Organisation (RTO)	NT	Survey Respondent
Alin John	PP	Engineer	Construction	Employers/Industry	NSW	Survey Respondent
David Turner	Veolia Refractories	National Health and Safety Manager - Energy & Refractories	Construction; Maintenance;	Employers/Industry	SA	Survey Respondent
Billy		Trainer	Construction	Registered Training Organisation (RTO)	ACT	Survey Respondent
Noel Pinkerton	WHSQ	Inspector	Public administration and safety	Registered Training Organisation (RTO)	QLD	Survey Respondent
Nelson Brown	NTG	Policy Officer	State Training Authority	Government	NT	Phone Survey Respondent
Yvonne Cerella	ACMY PTY LTD	administration	Building Maintenance	Employers/Industry	SA	Survey Respondent
Gregory Kym Northey	Northey Brothers	Manager/Supervisor	Construction	Representative Association	SA	Survey Respondent
George Englert	Dec Con	Director	Construction	Employers/Industry	QLD	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Mohammad G Hakimi	Ruby Construction Pty Ltd	Carpentry	Carpentry	Self-employed	SA	Survey Respondent
Shane Grieve	Grieve Property & Project Solutions Pty LTD	Managing Director	Construction	Employers/Industry	SA	Survey Respondent
Cameron Smith	Fabbro Projects	Builder	Construction	Employers/Industry	SA	Survey Respondent
Kym McKay	HR QSE Manager	HR QSE Manager	Construction	Employers/Industry	SA	Survey Respondent
John Cousins	Safenet	Industry Trainer	Construction	Registered Training Organisation (RTO)	ACT	Survey Respondent
Katherine Jagger	TAFE NSW	Product Manager, General Construction	Education and Training	Registered Training Organisation (RTO)	NSW	Webinar Survey Respondent
John Makrillos	Master Painters	Trainer	Construction	Registered Training Organisation (RTO)	WA	Survey Respondent
Chris Dobson	CSR	Head of Construction	Construction	Employers/Industry	NSW	Webinar Survey Respondent
Timothy Kokknidis	South Metro TAFE	Advanced Skills Level 2 Lecturer	Education and Training	Registered Training Organisation (RTO)	WA	Survey Respondent
Rose Nechwatal	CFMMEU	Safety Consultant	Construction	Trade Union	National	Webinar
Meryll Ashton	WorkSafe Victoria	Group Leader, Silica Team, Regulated Industries Division	Public administration and safety	Regulator/Licensing Authority	VIC	Phone

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Benjamin Wright	WorkSafe Victoria	Employee	Public administration and safety	Regulator/Licensing Authority	VIC	Webinar
Halil Ahmet	WorkSafe Victoria	Principal Hygienist, Specialists, Programs and Licensing	Public administration and safety	Regulator/Licensing Authority	VIC	Zoom
Barry Dunn	WorkSafe Victoria	Manager, Major Construction Projects, Regulated Industries Division	Public administration and safety	Regulator/Licensing Authority	VIC	Phone
Michael Landers	TAFE NSW	Teacher	Construction; Education	Registered Training Organisation (RTO)	NSW	Webinar
Samantha Johnston	Safenet – Canberra’s Safety Training Specialists	Teacher	Construction; Education	Registered Training Organisation (RTO)	ACT	Webinar
James Emilien	TAFE QLD	Teacher	Construction; Education	Registered Training Organisation (RTO)	QLD	Webinar
Mark Devereaux	CFMMEU	Training Unit Teacher	Construction	Trade Union	National	Webinar
Neda Aleksic	ISACNT	Industry Skills Officer	Construction	Representative Association	NT	Webinar Survey Respondent Survey Respondent
Kelly Gillogly	Civil Contractors Federation	Auditing and Injury Management Specialist	Civil Construction	Representative Association	NSW	Webinar
Harington Grindley	TAFE NSW	Teacher	Engineering	Registered Training Organisation (RTO)	NSW	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Sue Fechner	Holmesglen	Project Officer. Building Industries.	Construction	Registered Training Organisation (RTO)	VIC	Webinar
Amy Baker	WorkSafe Victoria	Project Lead Training	Public administration and safety	Regulator/Licensing Authority	VIC	Webinar
Dorica Hogg	WorkSafe Victoria	Employee	Public administration and safety	Regulator/Licensing Authority	VIC	Webinar
Ben Theoctistou	TAFE NSW	Teacher	Construction	Registered Training Organisation (RTO)	NSW	Webinar
Paul Bloor	College of Electrical Training	General Manager	Electricity, Gas, Water and Waste Services; Education and Training	Registered Training Organisation (RTO)	WA	Webinar
Michael Tomlinson	South Metro TAFE	Lecturer	Construction	Registered Training Organisation (RTO)	WA	Webinar
Greg Smithson	College of Electrical Training	Training Development Manager	Construction	Registered Training Organisation (RTO)	WA	Webinar
Philip Dixon	Australian Pacific Training Coalition	Teacher	Construction; Education	Registered Training Organisation (RTO)	FIJI	Webinar
Adam Pringle	TAFE QLD	Teacher	Construction; Education	Registered Training Organisation (RTO)	QLD	Webinar
Camilla Kovac	SafeWork NSW	Employee	Public administration and safety	Regulator/Licensing Authority	NSW	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Angela McDonald	SafeWork NSW	Employee	Public administration and safety	Regulator/Licensing Authority	NSW	Webinar
Matt Zaranski	TAFE QLD	Teacher	Construction; Education	Registered Training Organisation (RTO)	QLD	Webinar
Samantha Skinner	NSW Minerals Council	Policy Manager, Careers & Industry Skills	Mining	Representative Association	NSW	Webinar
Rodney DuBois	SafeWork NSW	Employee	Public administration and safety	Regulator/Licensing Authority	NSW	Webinar
Glenn Ryder	RYDER	Shop and Office Fitouts	Construction	Employers/Industry	NSW	Webinar
Dean Carter	TAFE NSW	Teacher	Construction; Education	Registered Training Organisation (RTO)	NSW	Webinar
Richard Bailey	TAFE NSW	Teacher	Construction; Education	Registered Training Organisation (RTO)	NSW	Webinar
Tevita Cawaitakali	Australian Pacific Training Coalition	Teacher	Construction; Education	Registered Training Organisation (RTO)	FIJI	Webinar
Andrew Weekes	TAFE QLD	Teacher	Construction; Education	Registered Training Organisation (RTO)	QLD	Webinar
Mark Gillow	Pinnacle Safety	Teacher	Construction; Education	Registered Training Organisation (RTO)	QLD	Webinar
Viliame Tuivaga	Australian Pacific Training Coalition	Teacher	Construction; Education	Registered Training Organisation (RTO)	FIJI	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Sue Wells	Department of Education and Training	Senior Program Officer	Policy and Governance	Government	VIC	Webinar
Gary Cook	Master Plumbers Australia and New Zealand	Executive Committee Member	Professional Association	Representative Association	National	Webinar
Semiti Tuberi	Australian Pacific Training Coalition	Teacher	Construction; Education	Registered Training Organisation (RTO)	FIJI	Webinar
Teresa Signorello	CMM Building Industries	Curriculum Maintenance Manager; Executive Officer	Education and Training	Employers/Industry; Registered Training Organisation (RTO)	VIC	Survey Respondent Webinar
Philip Mainey	Northern Territory Christian Schools	Trainer	Education and Training	Employers/Industry; Registered Training Organisation (RTO)	NT	Webinar
Dom Dagostino	North Metro TAFE	Trade Lecturer	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	WA	Webinar
Graham Bowman	MultiSkills Training	General Manager	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	VIC	Webinar
Tracey Hancock	Australian Skills Quality Authority	Auditor	Public administration and safety	Regulator/Licensing Authority	National	Webinar
Christina Bradley	TAFE QLD	Product Lead	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	QLD	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Naisen Nambahin	Australian Pacific Training Coalition	Teacher	Construction; Education	Registered Training Organisation (RTO)	FIJI	Webinar
Brad Gray	TAFE QLD	Business Manager, Construction Wet Trades	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	QLD	Webinar
Paka Wakanivonoloa	Australian Pacific Training Coalition	Teacher	Construction; Education	Registered Training Organisation (RTO)	FIJI	Webinar
Peter Jackson	TAFE QLD	Teacher / Content Writer	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	QLD	Webinar
Elizabeth Early	Lung Foundation	Employee	Professional Association	Representative Association	QLD; NSW; VIC	Webinar
Tony Bishop	Australian Brick & Blocklaying Training Foundation	Queensland Manager	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	QLD	Webinar
Simon Brown	TAFE QLD	Teacher	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	QLD	Survey Respondent Webinar
Kristen Sydney	Building, Construction, Resources and Infrastructure Industry Training Advisory Body	Project Officer	Professional Association	Representative Association	NSW	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Bob Bowden	Building, Construction, Resources and Infrastructure Industry Training Advisory Body	Executive Officer	Professional Association	Representative Association	NSW	Webinar
Melanie Windust	ADE Consulting Group Pty Ltd	National Technical Lead Occupational Hygienist	Construction	Employers/Industry	VIC	Webinar
Tim Harris	Inscope Training Pty Ltd	CEO	Education and Training	Employers/Industry; Registered Training Organisation (RTO)	SA	Webinar
Leonie Caldarelli	The Mining and Quarrying Occupational Health and Safety Committee	Executive Officer	Policy and Governance	Government	SA	Webinar
Amy Ransley	MBA Tasmania	Training Officer	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO); Representative Association	TAS	Webinar
Frances Parnell	Department of Training and Workforce Development	General Manager for Training	Policy and Governance	Government	WA	Webinar
Hagop Tchamkertenian	Think Brick Australia	<u>National Manager Advocacy & Policy</u>	Construction	Employers/Industry	NSW	Webinar
Jennifer Keeley	TAFE NSW	Teacher	Construction; Education	Registered Training Organisation (RTO)	NSW	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Llewellyn Biggar	TAFE NSW	Team Leader Building and Building Finishes	Construction; Education	Registered Training Organisation (RTO)	NSW	Webinar
Bridget Wild	SafeWork NSW	Senior Project Officer	Public administration and safety	Regulator/Licensing Authority	NSW	Webinar
Levi Robinson	National Precast Concrete Association of Australia	National Technical Services Manager	Professional Association	Representative Association	SA	Webinar
Sarah Pettit	Georgiou	Employee	Construction	Employers/Industry	WA; NSW; QLD	Webinar
Brad Geinitz	Office of Industrial Relations	Employee	Public administration and safety	Regulator/Licensing Authority	QLD	Webinar
Vince Ball	CITC	Executive Director	Professional Association	Representative Association	ACT	Email
Kate Stanley	Department of Health	Assistant Director	Policy and Governance	Government	National	Webinar
Craig Heidrich	HBM Group Professional Contract Secretariat Services for Industry Associations	Executive Director	Professional Association	Representative Association	NSW	Webinar
Gavin Gilbert	Quattro Stone	Manager	Construction	Employers/Industry	NSW	Webinar
Ashley Moor	Pinnacle Safety	Teacher	Construction; Education	Registered Training Organisation (RTO)	QLD	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Klausch Schmidt	Australian Industry Standards	Director of IRC Operations	Education	Skills Service Organisation	VIC	Webinar
Marcus Brooks	Australian Institute of Occupational Hygienists	Senior Occupational Hygienist	Professional Association	Representative Association	ACT	Webinar
Semiti Uberi	Australian Pacific Training Coalition	Teacher	Construction; Education	Registered Training Organisation (RTO)	FIJI	Webinar
Jason Jennings	CFMMEU; CSI Safety	ACT Branch President & CEO, Creative Safety Initiatives	Construction; Education	Registered Training Organisation (RTO)	ACT	Working Group Proxy Webinar
Mary Obele	Consultant	Specialist Physician in Occupational and Environmental Medicine	Education and Training	University	NZ	Webinar
Chandnee Ramkissoon	<u>University of Adelaide</u>	Postdoctoral Research Fellow	Education and Training	University	SA	Webinar
Jackie Archer	Department of Training and Workplace Development	Employee	Policy and Governance	Government	WA	Webinar
Dave Campbell	<u>Virgo Tiling</u>	Master Tiler	Construction	Employers/Industry	QLD	Webinar
Paul Simpson	<u>Kanji Group Pty Ltd</u>	National Safety Leader	Construction	Employers/Industry	NSW	Webinar
Rick Bell	<u>TAFE NSW</u>	Teacher	Construction; Education	Registered Training Organisation (RTO)	NSW	Webinar
Brad Geintz	Office of Industrial Relations	Principal Advisor (Occupational hygiene)	Policy and Governance	Government	QLD	Webinar

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Malcom Sim	<u>Monash</u> University	Emeritus Professor, Occupational and Environmental Physician	Education and Training	University	VIC	Webinar
Paul Muenchow	Department of Training and Workforce Development	Senior Program Officer	Policy and Governance	Government	WA	Survey Respondent Webinar
Robyn Delander	Health & Safety Advisory Service Pty Ltd	CEO	Education and Training	Registered Training Organisation (RTO)	NSW	Survey Respondent
Michael Skeen		Inspector	Mining	Regulator/Licensing Authority	NSW	Survey Respondent
Kristen		Support Officer	Education and Training	Advisory	ACT	Webinar
Michael Boyes	MGB Construction Tas Pty Ltd	Proprietor	Construction	Employers/Industry	TAS	Email
Jennifer Low	Australian Chamber of Commerce and Industry	Director	Peak Body	Employers/Industry	National	Phone
Jennifer Mason	Victorian Building Authority (VBA)	Senior Policy Advisor, Education and Training	Construction	Regulator/Licensing Authority	VIC	Webinar
Peter di Prinzio	Di Prinzio Concreting	DIRECTOR	Construction	Employers/Industry	NSW	Email
Eric Byrne	BTS Pty Ltd	Building Consultant	Construction; Education and Training	Employers/Industry; Registered Training Organisation (RTO)	NSW	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Wendy Bridges	MBT	Membership Engagement Manager	Construction	Representative Association	TAS	Survey Respondent
Jason Woodcock		Director	Construction	Employers/Industry	TAS	Survey Respondent
John Hebblewhite	Hebblewhite Builders	Builder/Director	Construction	Employers/Industry	TAS	Survey Respondent
Shaun Leech	Anz Enviro	PM	Remediation and Regeneration	Employers/Industry	WA	Survey Respondent
Brad Mellan	Western district connections	Plumber	Electricity, Gas, Water and Waste Services	Employers/Industry; Registered Training Organisation (RTO)	NSW	Survey Respondent
Dave White	Fluid construction Tas	Builder	Construction	Employers/Industry	TAS	Survey Respondent
Kate Cole	Cole Health Pty Ltd	Occupational Hygienist	Construction; Professional, scientific and technical services	Employers/Industry; Representative Association	NSW	Survey Respondent
Joey McAuley	ARC	Operations Manager	Manufacturing	Employers/Industry	TAS	Survey Respondent
Scott Miller	The Young Group Tasmania Pty Ltd	Project Manager	Construction	Employers/Industry	TAS	Survey Respondent
Brad Rizzolo	Heritage Stone	Managing Director	Construction	Employers/Industry; Registered Training Organisation (RTO)	TAS	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Brise Shields	Adbri Masonry	State Sales Manager	Construction	Employers/Industry	TAS	Survey Respondent
Jason Overton	JPO Building Contractors Pty Ltd	Director	Construction	Employers/Industry	TAS	Survey Respondent
Peter Douglas	Douglas Builders	Supervision	Construction	Regulator/Licensing Authority	TAS	Survey Respondent
Peter McDonald	McDonald Builders	Hands on	Construction	Representative Association	TAS	Survey Respondent
Remo Beniamini	Manteena Commercial	Safety Manager	Construction	Employers/Industry	ACT	Survey Respondent
John Beswick		Owner	Construction	Employers/Industry	TAS	Survey Respondent
John Radford	Stubbs Constructions	Integrated Systems Manager QHSE	Construction	Employers/Industry	TAS	Survey Respondent
Chris Ison	Construction Control	Senior Safety Advisor	Construction	Employers/Industry	ACT	Survey Respondent
Matthew Haines	Hainesbuild	Manager	Construction	Employers/Industry	NSW	Survey Respondent
Paula	Inspired Homes	General Manager	Construction	Employers/Industry	WA	Survey Respondent
Craig Penty	Guarda Systems	MD	Construction	Employers/Industry	WA	Survey Respondent
Melody Schofield		Director	Public administration and safety	Government	ACT	Survey Respondent

Name	Organisation	Title	Industry	Representation Type	State	Involvement
Nick Karanfilovski	Victoris University Polytechnic	Senior Educator	Construction; Education and Training	Registered Training Organisation (RTO)	VIC	Survey Respondent
Ben Scanlon	Master Builders ACT	Carpentry Trainer	Construction; Education and Training	Registered Training Organisation (RTO)	ACT	Survey Respondent
Eilysh Scowcroft	MBA GT	Business Support Manager	Construction	Registered Training Organisation (RTO)	ACT	Survey Respondent
Scott		Carpenter	Construction; Education and Training	Employers/Industry	ACT	Survey Respondent
Rhys Harris		Teacher/ Educator	Education and Training	Registered Training Organisation (RTO)	QLD	Survey Respondent
Matt Zaranski	TAFE Queensland	Teacher	Construction	Registered Training Organisation (RTO)	QLD	Survey Respondent
G Englert	Decon	Director	Construction	Employers/Industry	QLD	Survey Respondent
Colin James	Seejay Investments Pty Ltd	Trainer / Assessor	Education and Training	Registered Training Organisation (RTO)	VIC	Survey Respondent
James		Training Manager	Education and Training	Registered Training Organisation (RTO)	QLD	Survey Respondent
Boyd Turner	Tec Nq	Vet Manager	Education and Training	Registered Training Organisation (RTO)	QLD	Survey Respondent

Summary of Feedback by Stakeholder type:

Stakeholder Type	Key Feedback Points	Actions Taken to Address Feedback
<p>Industry Reference Committee (IRC) Representatives</p>	<ul style="list-style-type: none"> • Scope of the activity – the case for change proposed up to six units of competency. • Management of conflicts of interest. • Prerequisites. 	<p>Unit scope</p> <p>The AISC approved the development of up to six new units of competency. The four new units of competency being put forward for approval is an outcome of extensive advice received from the IRC, Working Group, industry stakeholders.</p> <p>Throughout the development process, the unit scope fluctuated from 5 to 3 units of competency, with the resulting four units reflecting the core workplace requirements for being aware of, working and supervising work with products containing crystalline silica and using and maintaining respiratory equipment.</p> <p>Conflict of interest</p> <p>The AISC received two complaints that conflict of interest issues were not being managed in accordance with the operating framework. These concerns were raised with the IRC who put in place additional arrangements, to the satisfaction of the AISC. This included detailed registers of interests for working group and IRC members as well as IRC processes for monitoring and controlling decision making processes where conflicts were registered.</p> <p>Prerequisites</p> <p>The IRC was unable to gain consensus on the prerequisite unit for CPCSIL3001 Work with products and materials containing crystalline silica. To resolve the issue, at its 22 February 22 meeting, the IRC voted and approved by majority 5-4, a motion to replace the prerequisite CPCSIL2001 Use and maintain respir-</p>

		<p>atory protective equipment to CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.</p> <p>The CFMMEU requested that its opposition to this motion be noted in the Case for Endorsement.</p>
Peak Industry Bodies	<ul style="list-style-type: none"> • N/A 	N/A
Employers (Non-IRC)	<ul style="list-style-type: none"> • Employers, who provided letters of support, welcomed the units of competency and outlined their importance on ensuring learners have an understanding of risks around silica dust. 	Noted. Letters of support included in the Case for Endorsement.
Regulators	<ul style="list-style-type: none"> • The NDDT and regulators welcomed the development of the units of competency. 	Noted.
Registered Training Organisations (RTOs)	<ul style="list-style-type: none"> • Feedback from training providers range from ensuring the units of competency: <ul style="list-style-type: none"> ○ referenced current industry terminology ○ clearly outlined performance requirements ○ did not/minimise content overlap ○ were written clearly and were consistent across the assessment requirements. 	Feedback from the consultation and validation was reported to the working group who advised on the nature of the changes required.
Training Boards/Other	<ul style="list-style-type: none"> • NT Industry Skills Advisory Council consulted it networks on the project and gathered support from industry employers. 	Noted. Two letters of supported are included in this Case for Endorsement.

<p>State and Territory Training Authorities (STAs)</p>	<ul style="list-style-type: none"> • A meeting with the STAs was arranged 14 December 2021 to discuss any issues with the project. The ACT and WA • STAs noted the CFMMEU submissions and expressed their desire to support national training standards on silica that will be made public, once endorsed, and accessible to all jurisdictions. • WA STA sought to advice to which qualifications will house the new units of competency. • A further webinar was held with STAs on 2nd March 2022, following circulation of the draft Case for Endorsement for their final sign-off. • See 4.2 for final STA sign-off 	<p>CFMMEU submissions are noted.</p>
<p>Unions</p>	<ul style="list-style-type: none"> • The SSO understands that the following CFMMEU branches wrote to their respective Skills Ministers expressing their non-support and concerns on the development of CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica: ACT, NT, SA and WA. • The ACTU put forward a submission to Artibus Innovation during the validation round requesting to cease the development of the awareness unit (CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica) and promote the existing national accredited course, 10830NAT - Course in Crystalline Silica Exposure 	<p>Their submissions are noted. A response was provided to the ACTU on 20 December 2020, outlining the importance to have public national training standards on the National Register.</p>

	Prevention. A draft response from Artibus Innovation was sent to DESE for input prior to replying to the ACTU submission.	
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Summary of Issues raised during stakeholder consultation

Issue raised	Key Feedback Points	Actions Taken to Address Feedback
<p>Unit duplication of a nationally accredited course</p>	<p>That the development of the silica awareness unit <i>CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica</i> duplicates content in the nationally-accredited course <i>10830NAT Course in Crystalline Silica Exposure Prevention</i>.</p>	<p>The matter of duplication was addressed with a response from Emeritus Professor Tracey Horton AO, Chair of the AISC, in July 2021 as follows:</p> <p><i>Training Packages define the skills and knowledge needed by learners to perform a job. Training Package products are developed when an industry need for training not already covered by a current Training Package is identified. VET accredited courses, in contrast, are designed to address skill requirements where these are not covered in nationally endorsed Training Packages.</i></p> <p><i>While an accredited course must not duplicate the outcomes of an endorsed Training Package, there is no policy impediment to the development of national Training Package products which may duplicate accredited courses previously approved by the Australian Skills Quality Authority (ASQA). Training Package developers should consider copyright issues that could arise if a Training Package product reproduces in whole, or a substantial part, the content of an accredited course.</i></p> <p><i>As with all Training Package projects, the AISC's key focus in considering the Case for Endorsement arising from the 'Silica Safety Awareness' project will be on evidence of industry need for the proposed training products, and evidence of broad industry support. For more information regarding AISC expectations regarding the Training Package development process, including regarding stakeholder consultation, please refer to the Training Package Development and Endorsement Process Policy.</i></p>

Issue raised	Key Feedback Points	Actions Taken to Address Feedback
Copyright	That the development of the silica awareness unit <i>CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica</i> breached copyright rules. The claim was made by the course owners of the nationally accredited course 10830NAT Course in Crystalline Silica Exposure Prevention, Creative Safety Initiatives (CSI).	On 17 th November 2021, the AISC requested the Creative Safety Initiatives (CSI) to provide evidence on how the development of the unit of competency has breached copyright. The AISC is still awaiting a response from CSI.
Merging of RPE unit into other units.	Stakeholder feedback from industry and regulatory bodies (WA, NSW) gained during Draft 1 Consultation stated a case for the merging of <i>CPCSIL2001 Use and maintain respiratory protective equipment</i> into both <i>CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica</i> <u>and</u> <i>CPCSIL3001 Work with products and materials containing crystalline silica</i> and then the deletion of <i>CPCSIL2001</i> .	While this approach was explored and actioned by the working group in response to Draft 1 consultation feedback, the Construction IRC decided at their meeting on 28 October 2021 to continue the development of a standalone RPE unit.
Duplication of content in other safety units	<i>CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica</i> contains content that is variously covered in <i>CPCWHS1001</i> , <i>CPCWHS2001</i> , <i>CPCSIL2001</i> .	The working group acknowledged that some content was duplicative but determined that the learner audiences and content-specific focus of <i>CPCSIL1001</i> necessitated a standalone unit.
Merging of management unit into supervision unit.	Further stakeholder feedback from public and industry attained during Draft 1 consultation called for the merging of <i>CPCSIL5001 Manage Risks of Respirable Crystalline Silica</i> .	This feedback was adopted by the working group at their sixth meeting on 13 October 2021 and was also supported by the Construction IRC at their meeting on 28 October 2021.

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)

Code/title	Description of the Requirement (e.g. work placement, assessment requirement)	Rationale for Inclusion	Evidence of employer support
N/A			

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

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 available¹

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

¹ 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*)

Attachment F: Quality assurance reports

Quality Report

Section 1 – Cover page

Information required	Detail
Training Package title and code	CPC Construction, Plumbing and Services Training Package Release 8.0 Project: Silica
Number of new qualifications and their titles	<ul style="list-style-type: none"> No new qualifications
Number of revised qualifications and their titles	<ul style="list-style-type: none"> No revised qualifications
Number of new units of competency and their titles	<p>Four new units of competency:</p> <ul style="list-style-type: none"> CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica CPCSIL2001 Use and maintain respiratory protective equipment CPCSIL3001 Work with products and materials containing crystalline silica CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica
Number of revised units of competency and their titles	<ul style="list-style-type: none"> No revised units of competency

Information required	Detail
<p>Confirmation that the panel member is independent of:</p> <ul style="list-style-type: none"> • the Training Package or Training Package components review ('Yes' or 'No') • development and/or validation activities associated with the Case for Endorsement ('Yes' or 'No') • undertaking the Equity and/or Editorial Reports for the training package products that are the subject of this quality report ('Yes' or 'No') 	<p>Yes, I am independent of:</p> <ul style="list-style-type: none"> • CPC Construction, Plumbing and Services Training Package • The development and validation activities • The Equity and Editorial reports.
<p>Confirmation of the Training Packages or components thereof being compliant with the <i>Standards for Training Packages 2012</i></p>	<p>Yes, the draft Training Package components are compliant with the <i>Standards for Training Packages 2012</i>.</p>
<p>Confirmation of the Training Packages or components thereof being compliant with the <i>Training Package Products Policy</i></p>	<p>Yes, the draft Training Package components are compliant with the <i>Training Package Products Policy</i>.</p>
<p>Confirmation of the Training Packages or components thereof being compliant with the <i>Training Package Development and Endorsement Process Policy</i></p>	<p>Yes, the draft Training Package components are compliant with the <i>Training Package Development and Endorsement Process Policy</i>.</p>

Information required	Detail
<p>Panel member's view about whether:</p> <ul style="list-style-type: none"> • the evidence of consultation and validation process being fit for purpose and commensurate with the scope • estimated impact of the proposed changes is sufficient and convincing 	<p>Yes</p>
<p>Name of panel member completing Quality Report</p>	<p>Anna Henderson</p>
<p>Date of completion of the updated Quality Report</p>	<p>23022022</p>

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)
<p>Standard 1</p> <p>Training Packages consist of the following:</p> <ul style="list-style-type: none"> • AISC endorsed components: • qualifications • units of competency • assessment requirements (associated with each unit of competency) • credit arrangements • One or more quality assured companion volumes 	Yes	<p>The Silica component of the CPC Construction, Plumbing and Services Training Package R8.0 submission consists of the following endorsed components:</p> <ul style="list-style-type: none"> • 4 units of competency <p>credit arrangements are discussed in the CPC Construction, Plumbing and Services Training Package R8.0 Companion Volume Implementation Guide (CVIG).</p> <ul style="list-style-type: none"> • a quality assured Companion Guide Information Guide – CPC Construction, Plumbing and Services Training Package R8.0 CVIG.
<p>Standard 2</p> <p>Training Package developers comply with the <i>Training Package Products Policy</i></p>	Yes	<p>The draft Training Package components comply with this Standard:</p> <ul style="list-style-type: none"> • Coding and titling – the qualification and units of competency comply with the coding and titling policy. • Foundation Skills are explicit in the performance criteria of the CPC units in this submission. • Mapping - the mapping tables are found in the CPC Construction, Plumbing and Services Training Package R8.0 CVIG. As these are newly developed units of competency, there is no equivalence status to report.

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
<p>Standard 3</p> <p>Training Package developers comply with the AISC <i>Training Package Development and Endorsement Process Policy</i></p>	Yes	<p>The Case for Endorsement (CfE) provides information about the extensive industry consultation undertaken throughout the development stage of this project resulting in training components being developed to a high standard and responsive to industry's existing and future skill needs.</p> <p>In the initial stages of the project, the IRC established a working group of recognised experts from WorkSafe, industry and Registered Training Organisations (RTOs). This group met ten times throughout the project providing input on the development of the training products.</p> <p>Each member, under their terms of reference, was encouraged to consult their own networks for input. This strengthened the drafting of the units of competency. The units of competency were made public on two occasions, for consultation and validation. Significant effort was made to 'let everyone know' and encourage (and prompt) feedback through 15 newsletter posts, 8 tweets, 15 LinkedIn posts and 6,176 project pages views on the Artibus Innovation website.</p> <p>Consultation and validation meetings support the training components in this submission. <i>See CfE for detail.</i></p>
<p>Standard 4</p> <p>Units of competency specify the standards of performance required in the workplace</p>	Yes	<p>The draft units of competency adequately specify standards of performance required in the workplace.</p>
<p>Standard 5</p> <p>The structure of units of competency complies with the unit of competency template</p>	Yes	<p>The structure of the draft units of competency complies with all aspects of the unit of competency template.</p>
<p>Standard 6</p> <p>Assessment requirements specify the evidence and required conditions for assessment</p>	Yes	<p>The draft units of competency specify the performance evidence (including references to volume or frequency), the assessment conditions and the knowledge evidence to be demonstrated for assessment. The assessment requirements cross-reference to the performance criteria requirements.</p>

Standards for Training Packages	Standard met 'yes' or 'no'	Evidence supporting the statement of compliance or noncompliance (including evidence from equity and editorial reports)
<p>Standard 7</p> <p>Every unit of competency has associated assessment requirements. The structure of assessment requirements complies with the assessment requirements template</p>	Yes	In all draft units of competency, the assessment requirements comply with the template requirements.
<p>Standard 8</p> <p>Qualifications comply with the Australian Qualifications Framework specification for that qualification type</p>	N/A	Not applicable
<p>Standard 9</p> <p>The structure of the information for the Australian Qualifications Framework qualification complies with the qualification template</p>	N/A	Not applicable
<p>Standard 10</p> <p>Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format that complies with the credit arrangements template</p>	Yes	<p>Credit arrangements are discussed in the CPC Construction, Plumbing and Services Training Package R8.0 CVIG, denoting that:</p> <p>There are currently no credit arrangements between qualifications in the CPC Construction, Plumbing and Services Training Package and higher education qualifications.</p>
<p>Standard 11</p> <p>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.</p>	Yes	<p>The Training Package components in this submission are accompanied by the CPC Construction, Plumbing and Services Training Package R8.0 CVIG.</p> <p>The CVIG complies with the companion volume implementation guide template included in the 2012 Standards and has been quality assured in line with the Artibus editorial processes.</p> <p>The CVIG includes advice about pathways, access and equity (including reasonable adjustment for persons with disabilities) and foundation skills, as required by the template.</p>

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 12 Training Package developers produce other quality assured companion volumes to meet the needs of their stakeholders as required.	Yes	CPC Construction, Plumbing and Services Training Package R8.0 includes information about typical occupation outcomes and pathways into and from CPC Construction, Plumbing and Services qualifications.

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 Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Driven by industry's needs	Yes	<p>As outlined in the CfE, the key drivers for the development of the training components in this submission are to develop nationally consistent training products around silica safety to minimise the risk of respirable crystalline silica (RCS) in the construction industry.</p> <p>RCS is a known hazard generated when manipulating products and materials containing silica that can lead to lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease. It is estimated that 230 Australians a year will develop lung cancer due to past exposure. This risk is predominantly born by construction workers, alongside miners, farmers and engineers. Recent years have seen a notable rise in silica-related illness and death, particularly evident in Queensland and linked to an increase of engineered stone.</p> <p>It is estimated that in 2011, approximately 587,000 Australians were exposed to silica dust whilst working, and that</p>

		<p>5,758 will eventually develop lung cancer. Workers in engineered stone benchtop manufacturing, finishing and installation are at particular risk, as this comparatively new material contains up to 95% crystalline silica, as distinct from natural stone's crystalline silica composition of 5%-50%.</p> <p>The Construction IRC noted that silica safety training should be a sector-wide requirement for the building and construction industry given that anyone entering a worksite is potentially 'at risk' of exposure.</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"> • ensure obsolete and superfluous qualifications are removed from the system • 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 • ensure that the training system better supports individuals to 	<p>Yes</p>	<p>Compliance with Government policy initiatives The CVIG provides information on pathways, and advice on access and equity. This includes information on reasonable adjustment and useful information on identifying and supporting learners' foundation skills.</p> <p>Training delivery/flexibility (supporting movement from related occupations) All four units of competency allow for assessment in the workplace or a simulated environment.</p> <p>Improve efficiency of the training system The project has developed four units of competency that will benefit the training system because they will be applicable across different industry sectors.</p> <p>RTOs have been involved and well represented throughout the consultation, both as members of the various IRCs, working groups and subject matter expert groups and in providing feedback during consultation periods.</p>

<p>move easily from one related occupation to another</p> <ul style="list-style-type: none"> • improve the efficiency of the training system by creating units that can be owned and used by multiple industry sectors • foster greater recognition of skill sets 		
<p>Reflect contemporary work organisation and job profiles incorporating a future orientation</p>	<p>Yes</p>	<p>The newly developed units of competency reflect contemporary workplace requirements within the construction industry. These units have been written in such a way that they could quite easily be contextualised to apply to other industry sectors.</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 <i>Training Package Development and Endorsement Process Policy</i>
Support movement of skills within and across organisations and sectors	Yes	<p>The units of competency provide an opportunity for individuals to expand their employment and career options from an entry-level awareness perspective to a working safely with products and material containing RCS within area of responsibility, to a supervision and managerial level.</p> <p>The intent of these new silica units of competency is to provide depth and breadth of choice supporting individuals move between related occupations and industry sectors as these units support a range job levels and responsibilities in relation to approaches towards silica safety.</p>
Promote national and international portability	Yes	The newly developed silica units have cross-sector applicability dealing with a range of applications from awareness through to supervision/management and may be imported into a variety of applicable qualifications within the CPC Construction, Plumbing and Services Training Package or indeed in any endorsed Training Package or Accredited course.
Reflect regulatory requirements and licensing	N/A	No occupational licensing, certification or specific legislative requirements apply to the Units of Competency in this submission.

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 <i>Training Package Development and Endorsement Process Policy</i>
Reflect national consensus	Yes	As discussed in the CfE, the process allowed for extensive engagement with industry, regulators and other stakeholders throughout the life of the project to inform the drafts prior to submission of the final product. The draft training components reflect national consensus.
Recognise convergence and connectivity of skills	Yes	The draft components in this submission incorporate cross sector units of competency which supports convergence and connectivity of skills. Although the four new silica units have been written with a construction focus, they will have applicability across different industry sectors.

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 <i>Training Package Development and Endorsement Process Policy</i>
Meet the diversity of individual and employer needs	Yes	<p>The training components in this submission support the diversity of employer and individual needs and include a range of applications including:</p> <ul style="list-style-type: none"> • entry level awareness to working safely with products and materials containing RCS • supervision of people working with silica products.
Support equitable access and progression of learners	Yes	<p>The CVIG provides advice on access and equity considerations including reasonable adjustment for learners with disabilities.</p> <p>The draft units support equitable access and progression of learners.</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	Quality principle is met: Yes / No or N/A	Evidence demonstrating compliance with the quality principle Please see examples of evidence in the <i>Training Package Development and Endorsement Process Policy</i>
Support learner transition between education sectors	Yes	Artibus note in the CfE that the draft units of competency in this submission can only be included in a traineeship or an apprenticeship program when they are incorporated into a qualification (that has declared Apprenticeship or Traineeship status) through that qualification’s packaging rules.

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 <i>Training Package Development and Endorsement Process Policy</i>
Support implementation across a range of settings	Yes	The proposed training components have been developed in close consultation with regulatory and industry stakeholders. The units of competency Elements and Performance Criteria have been written to better reflect current industry skills, knowledge and work practices. The Performance Evidence and Knowledge Evidence have similarly been articulated to align with WHS legislation and current or successor Australian Standards. The assessment requirements reflect employer expectations of the skills and knowledge graduates would need to bring to the workplace to ensure safest industry practices are observed.
Support sound assessment practice	Yes	The four new silica units of competency to be included into the CPC Construction, Plumbing and Services Training Package R8.0 as standalone units support sound assessment practice in line with industry 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 <i>Training Package Development and Endorsement Process Policy</i>
Support implementation	Yes	<p>The draft components in this submission address industry requirements, which supports implementation in a range of contexts covering the following:</p> <ol style="list-style-type: none"> 5. awareness of silica exposure, for new entrants and apprentices 6. use of protective equipment and working with materials and products containing RCS for other trades such as plumbers and electricians who are also ‘at risk’ given the frequency they cut into or alter products containing silica in routine work 7. supervising work involving methods, materials and products containing RCS. <p>All stakeholders acknowledge the need to support skills development and minimise the risk of harm from RCS in the construction industry. The issue is widely recognised as an issue of national significance requiring a national response. Industry letters of support have been sighted.</p>

Editorial Report Template

1. Cover page	
Information required	Detail
Training Package title and code	CPC Construction, Plumbing and Services Training Package Release 8.0 – Silica Safety
Number of new qualifications and their titles ¹	NA
Number of revised qualifications and their titles	NA
Number of new units of competency and their titles	Four (4) new units of competency: <ul style="list-style-type: none"> • CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica • CPCSIL2001 Use and maintain respiratory protective equipment • CPCSIL3001 Work with products and materials containing crystalline silica • CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica
Number of revised units of competency and their titles	NA
Confirmation that the draft training package components are publication-ready	Draft components are publication ready
Is the Editorial Report prepared by a member of the Quality Assurance Panel? If 'yes' please provide a name.	Yes or No ² Yes, Trish Gamper
Date of completion of the report	5 February 2022

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

² Persons not a member of the panel are required to demonstrate relevant knowledge and experience in editing technical and industry publications, including details of relevant qualifications and/or professional membership(s).

2. Content and structure

Units of competency

Editorial requirements	Comments
Standard 5: <ul style="list-style-type: none"> The structure of units of competency complies with the unit of competency template. 	The structure of the units of competency complies with the unit of competency template.
Standard 7: <ul style="list-style-type: none"> The structure of assessment requirements complies with the assessment requirements template. 	The structure of the assessment requirements complies with the assessment requirements template.

Qualifications

Editorial requirements	Comments by the editor
Standard 9: <ul style="list-style-type: none"> The structure of the information for qualifications complies with the qualification template. 	NA
Standard 10: <ul style="list-style-type: none"> Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format that complies with the credit arrangements template. 	NA

Companion Volumes

Editorial requirements	Comments by the editor
Standard 11: <ul style="list-style-type: none"> A quality assured companion volume implementation guide is available and complies with the companion volume implementation guide template. 	A quality assured Companion Volume Implementation Guide was provided for editing and complies with the required template.

3. Proofreading

Editorial requirements	Comments by the editor
<ul style="list-style-type: none"> Unit codes and titles and qualification codes and titles are accurately cross-referenced throughout the training package product(s) including mapping information and packaging rules, and in the companion volume implementation guide. 	Unit codes and titles were cross-referenced throughout the Training Package components, including, mapping, Case for Endorsement and the Companion Volume Implementation Guide (CVIG).
<ul style="list-style-type: none"> Units of competency and their content are presented in full. 	All units of competency and content were provided in full for editing.
<ul style="list-style-type: none"> The author of the Editorial Report is satisfied with the quality of the training products, specifically with regard to: <ol style="list-style-type: none"> absence of spelling, grammatical and typing mistakes consistency of language and formatting logical structure and presentation of the document. compliance with the required templates 	The editor is satisfied with the quality of the training products. <ul style="list-style-type: none"> Spelling, grammatical and typing mistakes were corrected, as required Language used and formatting is consistent throughout the Training Package The Training Package components are logically structured and presented All components comply with the required templates.

Equity Report Template

Section 1 – Cover page

Information required	Detail
Training Package title and code	CPC Construction, Plumbing and Services Training Package Release 8.0 – Silica Project
Number of new qualifications and their titles ¹	NA
Number of revised qualifications and their titles	NA
Number of new units of competency and their titles	Four (4) new units of competency: <ul style="list-style-type: none">• CPCSIL1001 Prepare to work safely with products and materials containing crystalline silica• CPCSIL2001 Use and maintain respiratory protective equipment• CPCSIL3001 Work with products and materials containing crystalline silica• CPCSIL4001 Supervise and manage work with products and materials generating respirable crystalline silica
Number of revised units of competency and their titles	NA
Confirmation that the draft training package components meet the requirements in Section 2 <i>Equity checklist of draft training package components</i>	Draft Training Package components meet the requirements in Section 2 Equity checklist of draft training package components
Is the Equity Report prepared by a member of the Quality Assurance Panel? If 'yes' please provide the name.	Yes or No ² Yes, Trish Gamper (Gamper Consulting Services)
Date of completion of the report	8 February 2022

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

² 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.

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 <i>Standards for Training Packages 2012</i>. The standard requires compliance with the <i>Training Package Products Policy</i>, specifically with the access and equity requirements:</p> <ul style="list-style-type: none"> • Training Package developers must meet their obligations under Commonwealth anti-discrimination legislation and associated standards and regulations. • Training Package developers must ensure that Training Packages are flexible and that they provide guidance and recommendations to enable reasonable adjustments in implementation. 	<p>Provide brief commentary on whether the draft endorsed components meet each of the equity requirements</p> <p><i>The draft CPC Construction, Plumbing and Services Training Package components meet the requirements of Standard 2 of the Standards for Training Packages 2012 and comply with the Training Package Products Policy.</i></p> <p><i>The CPC Construction, Plumbing and Services Training Package Companion Volume Implementation Guide provides information relating to access and equity considerations and reasonable adjustments.</i></p> <p><i>The draft CPC Construction, Plumbing and Services Training Package components provide sufficient flexibility and provide advice to enable reasonable adjustments to be made during implementation.</i></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><i>The CPC Construction, Plumbing and Services Training Package units of competency have been designed for those working with products and materials containing crystalline silica. The units of competency can be applied in a wide range of workplaces and will be able to be incorporated in relevant qualifications, were necessary.</i></p>
<p>2. Is there evidence of multiple entry and exit points?</p>	<p>NA</p>
<p>3. Have prerequisite units of competency been minimised where possible?</p>	<p><i>Yes. Prerequisite units of competency are identified in two of the four units of competency.</i></p>

Equity requirements	Equity reviewer comments
4. Are there other examples of evidence that demonstrate how the key features of the flexibility principle are being achieved?	<i>The new units of competency will be able to be included in a wide range of qualifications, as required, to reflect a range of work contexts and job roles.</i>

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
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?	<i>The units of competency will be able to be incorporated into different AQF levels, were appropriate, and reflect work from entry-level through to managing the work of others. No links to higher education are applicable.</i>

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

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

Equity requirements	Equity reviewer comments
1. Does the Companion Volume Implementation Guide include advice about: 3. Pathways 4. Access and equity 5. Foundation skills? (see Training Package Standard 11)	<i>The Companion Volume Implementation Guide was reviewed and contains relevant advice on:</i> <ul style="list-style-type: none"> • <i>Pathways</i> • <i>Access and equity</i> • <i>Foundation skills</i>
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?	<i>Foundation skills are explicit and recognisable in units of competency and do not exceed the skills expected in the workplace.</i>

Attachment G: Industry support



MASTER BUILDERS
A U S T R A L I A

9 March 2022

David Morgan
Chief Executive Officer
Artibus Innovation
David@artibus.com.au

Dear David

Re: Support for the silica safety project

Master Builders Australia supports the new silica safety units of competency for inclusion in the Construction, Plumbing and Services (CPC) Training Package.

Safety in the construction industry is a key priority for Master Builders Australia and the state and territory Master Builders Associations.

The proposed units will improve the knowledge and skills of workers at risk of exposure to respirable crystalline silica leading to improved safety outcomes for the current and future workforce. Their inclusion in the CPC Training Package reflects the broad industry need for such training, allows for their importation into relevant qualifications and skill sets, and will enable registered training organisations across the country to have this important training on scope.

As a member of the silica project working group Master Builders Australia engaged with industry stakeholders, employers and businesses to provide informed input and to ensure the units are appropriate and targeted. We are confident that the units developed will provide training suitable to the wide range of workers in our industry that undertake tasks involving products and materials that may contain crystalline silica.

Master Builders Australia is more than happy to be contacted if there is any further information we can provide. In this regard, I can be reached on 0447 529 170.

Kind regards

Jennifer Lawrence
Manager Industry Policy
Master Builders Australia

NT stakeholder feedback: CPC IRC Project – Silica Safety Awareness

Stage: Validation Drafts

Feedback provided to: Artibus Innovation

Date of submission: Wednesday 22 December 2021

NT stakeholders:

Category:	Organisation:
Industry	4Kitchens
Registered Training Organisation	Batchelor Institute of Indigenous Tertiary Education
Association	Building Practitioners Board NT
Registered Training Organisation	Transforming Training
Industry	Halkitis Bros

Stakeholder feedback:

General Comments:

- Participants noted that the newly developed units of competency will provide learners with an understanding of the dangers around silica dust and the equipment required to manage safely.
- Stakeholders shared support of the reduction from five to four units of competency.

Unit CPCSIL1001 Prepare to work safely with products and materials containing silica safety:

- Stakeholders noted that this unit of competency is better suited within the elective stream of the Certificate II in Construction.

Attachment H – IRC Interest Register

See separate excel spreadsheet

Attachment I – Working Group Register of Interests and Attendance Record and Validation meeting notes

- 1 Working Group Register of Interests and Attendance Record for the Silica Safety Project 2021/22.
2. Silica Safety Project: Working Group – Meeting 10 – Runsheet. 12 January 2022, 1:30pm-4pm AEDT. Purpose: Process Validation Feedback & Finalise Units for IRC.

Working Group Register of Interests and Attendance Record for the Silica Safety Project

Under the Working Group Terms of Reference and Operating Protocols, Item 2 *Register of interests* states:

By agreeing to join a working group a member must declare all actual or perceived interests which will be recorded in a Register of interests.

Members with an actual or perceived interest of note, who may, or whose employer may, receive a financial benefit or incur a financial cost from a recommendation, must declare this and clearly demonstrate how they will separate these interests from their working group membership. A member who has declared an interest may nevertheless be able to add value to the debate but should clearly articulate the matter.

Members	Organisation	Declaration of actual or perceived interest	Advised	Attendance	Actions, if required, to separate interests from working group
1. Stuart Maxwell (National)	Construction IRC Chair & Senior National Industrial Officer CFMMEU	<p>"I have no personal or commercial affiliations with any provider of training or training materials related to silica safety. There are organisational affiliations which may lead others to perceive an interest of note. Some of the State and Territory Branches of the CFMMEU (Construction and General Division) are associated with RTO's that deliver the accredited course 10830NAT Crystalline Silica Exposure Prevention, and which may provide training for any new units of competency that are developed as part of the silica safety project. I have completed the accredited course</p>	Email - 27.7.21	WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10	

		10830NAT Crystalline Silica Exposure Prevention.”			
2. Jennifer Lawrence (National)	Construction IRC Member & Master Builders Australia	<p>“No financial interests.</p> <p>Some state associations deliver unaccredited silica awareness training, but support development of national training system units.”</p>	Email - 25.3.21	WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10	
3. Brock Ellis (SA)	Safety, Quality & Environment Manager, Master Builders SA	<p>“I can confirm that I have read the ToR and understand my obligations regarding Conflict of Interest. I will declare a potential conflict relating to the delivery of a non-accredited silica awareness training package via MBASA.</p> <p>To date I have not delivered this training.”</p>	Email - 27.7.21	WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10	
4. Tony Lopez (National)	Assistant Director, Housing Industry Association	<p>“Hi Charles,</p> <p>Further to the Chair’s request at the last meeting to update declarations of conflict of interests I advise that HIA is an RTO and may use nationally accredited units of competency to</p>	Email - 28.10.21	WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10	

		<p>deliver training for HIA members.</p> <p>Kind regards</p> <p>Tony Lopez</p> <p>Assistant Director OHS Policy"</p>			
5. Sam French (National)	Assistant Director, Housing Industry Association			Proxy for Tony Lopez: WG2	
6. Karissa Slavin (National)	Occupational Hygiene Policy & Assistant Director, Safe Work Australia			WG1, WG2 , WG3, WG4 , WG5 (Left Job Role – replaced by Dr Sam Hamilton)	
7. Dr Sam Hamilton (National)	Director, Occupational Diseases and Chemical, Safe Work Australia			<p>Proxy for Karissa Slavin: WG2, WG5</p> <p>Replaced Karissa Slavin from WG6: WG7, WG8, WG9, WG10</p>	
8. Prue Watt OAM (National)	Policy Officer, Safe Work Australia			<p>Proxy for Karissa Slavin: WG4, WG6</p> <p>Proxy for Dr Sam Hamilton: WG6</p>	

9. Peter David Aspinall (National)	Principal Occupational Hygienist (COH, MAIOH, MNZOHS) at WSP in Australia & New Zealand			WG1, WG2, WG3, WG4, WG5, WG6 , WG7, WG8 , WG9, WG10	
10. Nigel Davies (National)	National Assistant Secretary, CFMMEU			WG1 , WG2, WG3, WG4 , WG5 , WG6 , WG7, WG8 , WG9, WG10	
11. Jason Jennings (ACT)	CFMMEU ACT Branch President & CEO, Creative Safety Initiatives	"I am an officer of CSI which owns the accredited course 10830NAT Crystalline Silica Exposure Prevention, although I am currently on secondment to the National Office of the CFMMEU Construction and General Division. Some State and Divisional Territory Branches of that organisation have associations with RTO's which deliver the accredited course 10830NAT Crystalline Silica Exposure Prevention and which may provide training for any new units of competency which may be	Email - 29.10.21	Proxy for Nigel Davies: WG1	

		<p>developed as part of the silica safety project.</p> <p>On the basis of my association with CSI and the CFMMEU organisational affiliations with the State and Territory Branches I declare that I have actual and/or perceived conflicts of interest, and will therefore limit my involvement to discussion of items but will not participate in any vote.”</p>			
12. Ross Davidson	Work Impairment Officer, CFMMEU - WLD/NT Branch	<p>“I have no personal commercial conflicts of interest with any provider of training or training materials related to silica safety. I am an employee of the QLD/NT Branch of the CFMMEU Construction and General Division. The QLD/NT Branch has an association with an RTO which delivers the accredited course 10830NAT Crystalline Silica Exposure Prevention and</p>	Email - 3.11.21	Proxy for Nigel Davies: WG8, WG9	

		which may provide training for any new units of competency which may be developed as part of the silica safety project.”			
13. Dave Noonan (National)	National Secretary, CFMMEU Construction Division	<p>“In relation to todays meeting, I advise as follows.</p> <p>I have no personal commercial conflicts of interest with any provider of training or training materials related to silica safety.</p> <p>I am the National Secretary of the CFMMEU and Divisional Secretary of the Construction and General Division of that organisation.</p> <p>Some State and Divisional Territory Branches of that organisation have associations with RTO's which deliver the accredited course 10830NAT Crystalline Silica Exposure Prevention and which may provide training for any new units of competency which may be</p>	Email - 29.7.21	Proxy for Nigel Davies: WG5	

		<p>developed as part of the silica safety project.</p> <p>These branches are financially separate reporting units of the union and the National and Divisional offices have no commercial relationship with these RTO's.</p> <p>The organisational affiliations with the State and Territory Branches may lead others to perceive and interest of note."</p>			
14. Robert Alford (ACT)	Director - Compliance and Enforcement	<p>"I have read and understood the my obligation on actual or perceived conflicts of interest as set out in clause 2 of the Silica Working Group Terms of Reference and Operating Protocols.</p> <p>I declare that I don't have and conflict of interest either actual or perceived."</p>	Email - 29.7.21	<p>WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10</p>	

15. Matt Davis (ACT)	Compliance and Enforcement, WorkSafe ACT			Proxy for Robert Alford: WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10	
16. Jackii Shepherd (ACT)	Occupational Hygiene, WorkSafe ACT			Proxy for Robert Alford: WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10	
17. Michael Weller (NSW)	State Inspector, SafeWork NSW	"I confirm that I have no perceived or actual conflict of interest nor any commercial affiliation with any training providers in the area of silica safety. I am a professional member (MAIOH, COH) of the Australian Institute of Occupational Hygienists (AIOH) which provides continuing education seminars to its members for professional development, which from time to time cover topics on respirable crystalline silica."	27.7.21	WG1, WG2, WG3, WG4, WG5, WG6, WG7, WG8, WG9, WG10	
18. Andrew Park (NSW)	CEO, WalanMiya Group	"I am confirming, as an RTO that would more than likely	Email - 26.7.21	WG1, WG2, WG3, WG4, WG5, WG6,	

		<p>end up with the unit on scope and gain commercial in the future we submit in the positive, not yet knowing the outcomes but it would be likely we would/will have on scope.”</p> <p>“Its important that we discuss a possible conflict of interest, as an RTO with relevant scope of registration that could be default have some or all the proposed units added to scope and our long standing interest in being an approved provider to support clients would see our RTO’s being in a possible position to obtain funding and offer a fee for service program in this area.</p> <p>Our RTO’s in the FWM Group I am a director of an CEO of are:</p>	<p>Email - 29.7.21</p>	<p>WG7, WG8, WG9, WG10</p>	
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		<p>91812 - Innovative Learning Solutions Pty Ltd t/a Fusion Training Solutions</p> <p>21359 - Local Employment and Training Services Pty Ltd t/a Walan Miya."</p>			
19. Eve Speyers (WA)	Principal Scientific Officer and Team Manager, WorkSafe Service Industries	"I confirm that I have read and understood my obligations in regards to actual or perceived conflicts of interest as set out in clause 2 of the Silica Working Group Terms of Reference and Operating Protocols. I can confirm that I have no conflicts of interest in this regard."	Email - 27.7.21	WG1, WG2, WG3, WG4 , WG5, WG6, WG7, WG8, WG9, WG10	
20. Michelle Canny (QLD)	Director, Policy Analysis and Performance Reporting, Construction Skills Queensland			WG1, WG2, WG3 (Left Job Role – replaced by Brett Schimming)	
21. Brett Schimming (QLD)	CEO, Construction Skills Queensland			WG4, WG5, WG6, WG7, WG8, WG9, WG10	

22. Steve Sullivan (QLD)	Stonemasonry Teacher, TAFE Queensland			WG1, WG2, WG3 , WG4 , WG5, WG6 , WG7 , WG8 , WG9 , WG10	
23. Brian Chamberlin (VIC)	Construction Industry Education Officer & Inspector, WorkSafe Victoria			WG1, WG2 , WG3, WG4, WG5, WG6, WG7 , WG8 , WG9, WG10	

Silica Safety Project

Working Group – Meeting 10 – Runsheet

12 January 2022, 1:30pm-4pm AEDT

Purpose: *Process Validation Feedback & Finalise Units for IRC*

CPCSIL1001

Prepare to work safely with products and materials containing crystalline silica

Personnel:

Working Group Members @ WG10: 12 January 2022	
Chair = Stuart Maxwell (Chair)	Construction IRC Chair & Senior National Industrial Officer CFMMEU
PA = Peter David Aspinall	Principal Occupational Hygienist (COH, MAIOH, MNZOHS) at WSP in Australia & New Zealand
JL = Jennifer Lawrence	Construction IRC Member & Senior Adviser Industry Policy MBA
AP = Andrew Park	CEO, Fusion WalanMiya Group
MW = Michael Weller	State Inspector, SafeWork NSW
ES = Eve Speyers	Principal Scientific Officer and Team Manager, Worksafe Service Industries
Artibus Innovation	
Dr Charles G.L. Donnelly	Senior Project Officer
DM = David Morgan	Chief Executive
VR = Vince Rio	Technical Writer

Abbreviations:

AC: Assessment Conditions

EPCs: Elements and Performance Criteria

PC Performance Criteria

PE: Performance Evidence

KE Knowledge Evidence

MBA Master Builders Australia

PC: Performance Criteria

WC White Card

WG Working Group

CPCSIL1001: For WG Consideration

The Construction IRC has approved the unit for development and has asked the Silica Safety Working Group (through its terms of reference) to advise it on the unit. The issues for discussion of the working group are:

1. CPCSIL1001 and CPCSIL2001 should be combined (*nb*, this issue was previously discussed and temporarily actioned at WG6 (13 October 2021) in response to feedback received during Draft 1 Consultation but was reinstated by the Construction Industry Reference Committee at their meeting on 28 October 2021).

a. The unit *duplicates* the CPCWHS1001 (“White Card”), part of CPCWHS2001 and other parts of CPCSIL2001

David Morgan: is this justifiable?

Working Group (WG) Response: while there is some level of duplication between CPCSIL1001 and other units (e.g., CPCWHS1001, CPCWHS2001, CPCSIL2001), the unit is a standalone unit and there are many instances of crossover in units of competency. The Chair, Stuart Maxwell, cited that because the CFMMEU had provided similar feedback he would abstain from making a comment due to a perceived conflict of interest. Michael Weller acknowledged that not everyone who may use the unit will not have or ever need the White Card and he cited “engineered stone fabricators” in a static environment as one such example. Jennifer Lawrence concurred with Michael Weller and cited that there was a construction focus to the White Card and CPCWHS2001 – which was necessarily applicable to everyone who may undertake the unit if it is endorsed. Peter Aspinall stated that once a person has the White Card they have it for life and that the existence of CPCSIL1001 as an additional educational piece that is concerned with safety, that it was justifiable. He added that the mention of silica as a construction hazard was a small focus of the White Card. Andrew Park stated he was reluctant to use the word “duplicate” but the units are sufficiently different in terms of their Assessment Requirements.

2. AQF appropriateness

WG Response: Andrew Park stated that 'VET in Schools' can cover anything from AQF Levels 1 to 3. Jennifer Lawrence suggested she had an approach to simply Performance Criteria (PC) in the unit draft during the meeting to make it more suitable as an awareness unit.

3. The inclusion of dust and slurry appears misplaced in an awareness unit

WG Response: This feedback relates to PC 4.2 and is addressed in the compatible unit section outlined below.

4. Consider SWMS submission feedback (Katherine Jagger [pc 3.5]):

"In CPCSIL1001, PC 3.5 says the candidates need to contribute to a SWMS and in CPCSIL3001 PC 1.7 also says to contribute to a SWMS. A SWMS is only required if the work task falls under one of the 18 categories of high risk as defined by the WHS regulations. Crystalline silica does not fall under any of the 18 categories of high risk and therefore a SWMS is not required. To meet the PC's, we would have to expose the candidates to a high-risk work task, which is putting them at unnecessary risk and actually detracting from the focus of the unit being CS."

WG Response: Jennifer Lawrence maintained the WG had the conversation on the SWMS issue in a previous meeting in terms of CPCSIL3001 and the correct wording had been achieved. Michael Weller stated that Queensland and Victoria had deemed if you are working with materials and products containing crystalline silica and it generates dust then it is considered as high-risk work, which provides an alternative position to the feedback from Katherine Jagger. Peter Aspinall affirmed that in Queensland the act of cutting or grinding products containing silica is now classified as high-risk work. He then voiced that this will become clearer under their new code.

5. CFMMEU general feedback on CPCSIL1001 (... IRC to consider?):

"(c) An awareness unit is a knowledge unit, which is contrary to the concept of competency-based training.

(d) Awareness training has a role and it should be compulsory for all workers before they perform any work where there is a risk of exposure to silica. It should however be treated in the same manner as asbestos awareness training which is dealt with by nationally accredited courses that sit outside the training package.

(e) There already exists an ASQA nationally accredited course, *10830NAT - Course in Crystalline Silica Exposure Prevention*, which deals with the subject matter and which is being used in the building and construction industry."

See: *CFMMEU Comments on Draft Silica Safety Units of Competency Released for Validation*, 17.12.21.

WG Response: Jennifer Lawrence communicated that in relation to “(c)” that a number of awareness and knowledge units already exist in the National Register of VET so a precedent already exists. In relation to “(d)” she stated that the IRC had previously made a case to establish a unit on asbestos in the National Register and that ACT Government owned the nationally accredited course and this is somehow a different proposition to stated claim. Andrew Park stated that the accredited course was highly regarded but because it is privately owned RTOs cannot import the accredited course into a CPC Training Package qualification and because of this cannot therefore be funded by the state and territory governments. Michael Weller maintained that the awareness unit could be relevant to all of industry if endorsed and not just building and construction.

UNIT CODE	CPCSIL1001	MBA FEEDBACK (WG9)	MW FEEDBACK (WG9)	CFMMEU FEEDBACK	TERESA SIGNARELLO /KATHERINE JAGGER	WG RESPONSE
UNIT TITLE	Prepare to work safely with products and materials containing crystalline silica					
APPLICATION	<p>This unit of competency specifies the skills and knowledge required in preparation to work with products and materials containing crystalline silica (CS).</p> <p>The unit requires the person to identify relevant health and safety legislative requirements in order to work safely with products and materials containing CS.</p> <p>This unit covers:</p>				<p>Application - The first sentence should read "skills and knowledge required to prepare to work with products and materials containing"</p> <p>WG: itemising products could be limiting.</p>	<p>Chair: the issues raised by Teresa Signarello that refer to language be referred to editorial and equity and quality assurance.</p>

	<ul style="list-style-type: none">• identifying products and materials containing crystalline silica• risk control measures to manage respirable crystalline silica (RCS)• workplace equipment including respiratory protective equipment (RPE) and personal protective equipment (PPE); and• applying workplace clean up and storage requirements. <p>Licensing, legislative, regulatory or certification requirements may apply to this unit. Relevant work health and safety state and</p>				<p>Third paragraph states "This unit covers..." restate e.g. this unit includes, referring to the summary statement of unit content. Be sure that the summary aligns with the elements.</p>	
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	territory regulatory authorities should be consulted to confirm jurisdictional requirements.					
PREREQUISITE UNIT						
COMPETENCY FIELD	Building and Construction					
UNIT SECTOR	Building and Construction					

ELEMENTS	PERFORMANCE CRITERIA	MBA FEEDBACK (WG9)	MW FEEDBACK (WG9)	CFMMEU FEEDBACK	TERESA SIGNARELLO	WG RESPONSE
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					/KATHERINE JAGGER	
Elements describe the essential outcomes of the unit.	Performance criteria describe the performance needed to demonstrate achievement of the element.					
4. Identify crystal-line silica (CS) and legislative requirements for working with CS.	4.1 Identify health and safety documents, WHS procedures, legislative requirements, codes of practice and other sources of information relevant to working with CS. 4.2 Identify and confirm employer/employee duty of care responsibilities and employee responsibilities of own workplace health and safety.	5.1 Identify and discuss health and safety documents relevant to working with CS. 5.2 Identify duty of care responsibilities 5.3 Identify products and materials containing CS.			PC 1.2 - should read '....and employee responsibilities for their own workplace health and safety'.	VR: delete verbs "discuss" and "describe" from MBA alternatives at all occasion as it is difficult to assess.

	<p>4.3 Identify products and materials containing CS.</p> <p>4.4 Identify how silica dust is generated and the health and safety risks from the inhalation of silica dust in consultation with supervisor.</p>	<p>5.4 Identify the health effects of exposure to silica dust.</p> <p>5.5 Identify tasks and processes that may result in exposure to silica dust</p> <p>5.6 Identify and discuss the workplace exposure standard for RCS. 'Supervise' of 'Manage' unit is "Exposure Standard" included?</p>			<p>Performance criteria 1.3 is not written to a standard-it is an assessment piece. Identify according to what? This issue was raised previously.</p> <p>Performance criteria written as assessment tasks, particularly those in elements 1 and 2. Rephrase to operationalise where possible. This feedback was raised previously.</p>	<p>MW: disagreed with MBA's proposed 1.6.</p> <p>PA: "exposure" standard is covered in CPCSIL3001 and CPCSIL4001.</p>
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<p>5. Identify hazards and control measures for working with CS.</p>	<p>5.1 Identify and confirm the basic principles of risk management when working with CS.</p> <p>5.2 Identify measures for controlling worksite hazards created by silica dust in accordance with WHS procedures.</p> <p>5.3 Identify personal protective equipment (PPE) and respirable protective equipment (RPE) for working with products and materials containing CS, in accordance with manufacturer's instructions and WHS procedures.</p>	<p>7.1 Identify and discuss the basic principles of risk management when working with CS.</p> <p>7.2 Identify measures for controlling worksite hazards created by silica dust.</p> <p>7.3 Identify and describe the purpose, use and limitation of PPE and RPE for working with products and materials containing CS.</p>				

	<p>5.4 Identify fit checking requirement for RPE in accordance with manufacturer's instructions and WHS procedures.</p> <p>5.5 Identify requirements of work site safety signs and symbols.</p> <p>5.6 Identify tools and equipment, including on-tool dust capture devices and dust suppression (with water) wet and dry extraction devices for working with products containing CS.</p>	<p>7.4 Identify requirements of work site safety signs and symbols.</p> <p>7.5 Identify tools and equipment, including on-tool wet and dry extraction devices, for working with products containing CS.</p> <p>7.6 Identify processes and tools for clean-up and disposal of silica contaminants [from old 4.1]</p> <p>7.7 Demonstrate clean-up of work</p>	<p>MW: 2.6 "Replace with 'Identify tools and equipment including on-tool dust capture devices and dust suppression (with water) for working with products containing CS.'"</p>			<p>MW: at PC 2.6 - his alternative version is trying to be more prescriptive and clearer around the control measures. On-tool dust capture is performed with a shroud and a vacuum whereas water is used for suppression.</p> <p>ES: at PC 2.6 is happy with Michael's wording and has an aversion to "dry" extraction from a regulatory perspective.</p> <p>JL: agreed to delete her MBA version 2.7 as it is mentioned elsewhere.</p>
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		site dust and slurry [from 4.2]				WG: add 2.7 regarding "tools": <ul style="list-style-type: none"> Identify processes and tools for clean-up and disposal of silica contaminants in accordance with WHS procedures.
<p>6. Prepare to work with products containing crystalline silica (CS).</p> <p>3. Perform workplace clean up (MBA)</p>	<p>6.1 Confirm work requirements and clarify job priorities and sequencing in consultation with supervisor.</p> <p>6.2 Check classifications of level of risk for working with selected products and materials containing CS, hazard controls and protective equipment requirement in accordance with safety data sheets.</p> <p>6.3 Seek feedback from supervisor where CS content</p>	<p>MBA: Delete – beyond level 1 This content is covered in the level 3 unit</p>	<p>MW: 3.2 "uses the term 'hazard controls' and 3.4 uses 'risk controls' – suggest standardise on hazard controls."</p>			<p>JL: proposed to delete Element 3 which is not so specific to CPCSIL1001 as it is construction-focused and is covered in CPCWHS1001. If actioned, SWMS element that Katherine Jagger reacted to therefore is deleted as a result here. Hierarchy of control elements to be migrated into Element 2. Supervisor PC (3.4) could be incorporated into 1.3.</p> <p>WG: adopt MBA version capturing:</p> <ul style="list-style-type: none"> Fit checking

	<p>is unknown or unclear.</p> <p>6.4 Identify and confirm highest risk control measure(s) so far as reasonably practical, appropriate to work activity, in accordance with WHS procedures and in consultation with supervisor [1.3].</p> <p>6.5 Contribute to safe work method statement (SWMS) in consultation with supervisor and in accordance with WHS procedures.</p> <p>6.6 Confirm workplace health and safety process to follow if risk controls fail or become limited in consultation with supervisor and in</p>				<p>3.5: "In CPCSIL1001, PC 3.5 says the candidates need to contribute to a SWMS and in CPCSIL3001 PC 1.7 also says to contribute to a SWMS. A SWMS is only required if the work task falls under one of the 18 categories of high risk as defined by the WHS regulations. Crystalline silica does not fall under any of the 18 categories of high risk and therefore a</p>	<p>disposable RPE</p> <ul style="list-style-type: none"> • Perform clean up.
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	accordance with WHS procedures.				<i>SWMS is not required. To meet the PC's, we would have to expose the candidates to a high risk work task, which is putting them at unnecessary risk and actually detracting from the focus of the unit being CS... If the intent of these PC's are to highlight the health and safety aspects and planning, my suggestion would be to swap SWMS with JSEA."</i>	
7. Confirm work place clean up and storage requirements.	7.1 Identify cleaning up and disposal requirements of dust and slurry from PPE and work areas in accordance with WHS procedures.	MBA: 4.1 moved to Element 2 MBA: 4.2 moved to element 2		CFMMEU – "Perform cleaning up activities of		JL: 4.2 to be moved to the end of Element. Element 4 in light of the MBA changes can be removed. WG: incorporate some of elements 3 and 4 into Element 1 and 2 but make Element 3:

	<p>7.2 Perform cleaning up activities of a work area and disposal of dust and slurry in accordance with WHS procedures.</p> <p>7.3 Identify cleaning and storage requirements of non-disposable RPE in accordance with manufacturer's instructions.</p> <p>7.4 Clean and store non disposable RPE in accordance with manufacturer's instructions.</p>	<p>MBA (4.3): delete – covered in CPCSIL2001</p> <p>MBA (4.4): delete – covered in CPCSIL2001</p>		<p>a work area and disposal of dust and slurry in accordance with WHS procedure "should not be something that is taught in isolation but should be left as part of the unit CPCSIL3001 Work with products and materials containing crystalline silica, so that the clean-up tasks and</p>		<p>"Perform workplace clean-up and storage requirements" and add the following points:</p> <ul style="list-style-type: none"> • Fit check RPE suitable for use during clean-up activities. • Clean work area and store non-disposable RPE in accordance with manufacturer's instructions. <p>JL: not always operator creating 'dust and slurry'.</p> <p>MW: in light of changes proposed by MBA is worth including in the introductory unit.</p>
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				process are directly relevant to the tools and equipment being used."		
FOUNDATION SKILLS						
Foundation skills essential to performance are explicit in the performance criteria of this unit of competency						
UNIT MAPPING INFORMATION	No equivalent unit.					

TITLE	Assessment Requirements for Prepare to work safely with products and materials containing crystalline silica.				
PERFORMANCE EVIDENCE	A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria and foundation skills, of this unit, in addition to the	MBA: redraft/simplify	WG: [AP] hands-on demonstration – key aims to		WG: to adopt MBA version with the following wording: Candidates must be able to:

	<p>specific performance and knowledge evidence described below.</p> <p>Candidates must be able to:</p> <p>12. identify three different work activities that can generate respirable silica dust and the risk management strategies and control measures for each work activity</p> <p>13. identify compliant use of PPE and RPE for at least three different activities relevant to working with CS</p> <p>14. identify how to perform RPE fit checking requirements in accordance with manufacturer's instructions</p> <p>15. demonstrate cleaning and storage of non-disposable RPE in accordance with manufacturer's instructions</p> <p>16. demonstrate clean up and disposal of dust and slurry from a work area</p>	<p>Candidates must be able to:</p> <ul style="list-style-type: none"> • identify three different work activities that can generate respirable silica dust and discuss the risk management strategies and control measures for each work activity • fit check using at a minimum a disposable P2 mask • clean up and disposal of dust and slurry from a work area. In doing this the person must also correctly fit to them. 			<p>17. identify three different work activities that can generate respirable silica dust and the risk management strategies and control measures for each work activity</p> <p>18. fit check, using a minimum of a disposable P2 mask, in accordance with manufacturer's instructions</p> <p>19. clean up and dispose of dust and slurry from a work area in accordance with work health and safety (WHS) procedures.</p>
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	in accordance with WHS procedures.	<ul style="list-style-type: none"> • selects appropriate PPE and fit check RPE. 			
KNOWLEDGE EVIDENCE	<p>To be competent in this unit, a candidate must demonstrate knowledge of:</p> <ul style="list-style-type: none"> • health and safety risks of working with products and materials containing crystalline silica • hierarchy of control measures: <ul style="list-style-type: none"> ○ elimination ○ substitution ○ isolation ○ engineering controls ○ administrative controls ○ PPE/RPE • products and materials containing crystalline silica, such as: <ul style="list-style-type: none"> ○ concrete ○ mortar 	<p>MBA: No proposed revisions.</p>			

	<ul style="list-style-type: none">○ bricks○ pavers○ tiles○ natural & engineered stone bench tops○ cement sheeting○ aerated concrete● features, commonalities and differences between crystalline silica and respirable crystalline silica● mechanical processes that generate silica dust, such as:<ul style="list-style-type: none">○ crushing○ cutting○ drilling○ grinding○ cutting, grinding and/or abrasive polishing of engineered stone				
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	<ul style="list-style-type: none"> • worksites where silica dust can be found: <ul style="list-style-type: none"> ○ manufacturing environment ○ residential construction ○ commercial construction ○ civil construction • employer responsibilities and duty of care requirements: <ul style="list-style-type: none"> ○ consultation and communication processes ○ health monitoring ○ personal exposure monitoring • employee responsibilities and requirements • RPE: <ul style="list-style-type: none"> ○ half face disposable 		<p>MW: Under <i>duty of care requirements</i> "can you add the word "consultation" to read "consultation and communication processes?"</p>		<p>JL: include civil construction based on a previous conversation.</p> <p>WG: agreed to include civil construction here.</p> <p>WG: enact MW feedback regarding "consultation and communication processes".</p>
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	<ul style="list-style-type: none">○ half face reusable○ full face reusable○ tight-fitting powered air purifying respirators <ul style="list-style-type: none">• factors affecting fit of PPE and RPE• safe disposal of crystalline silica waste• safe cleaning & housekeeping methods with silica dust• dust control measures• relevant documents with information on safe work practices and technical information on products containing CS, such as:<ul style="list-style-type: none">○ Workplace health & safety policies and procedures		<p>MW: Under <i>tight fitting</i> should read "loose fitting powered air purifying respirators".</p>		<p>ES: call it "powered air purifying respirators" to cater to different types.</p>
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	<ul style="list-style-type: none">○ Relevant jurisdictional legislation○ Relevant codes of practice○ Safety Work Method Statements (SWMS)○ Job Safety & Environmental Analysis (JSEA)○ Safety Data Sheets (SDS)○ Product manuals○ Technical specifications○ Product labels● relevant Australian Standards or their successors:<ul style="list-style-type: none">○ AS/NZ 1715:2009○ AS/NZ 1716:2012.				
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ASSESSMENT CONDITIONS	<p>Assessment of performance must be undertaken in the workplace or simulated workplace environment. A simulated workplace is one that fully replicates the resources, environment and any time and productivity pressures that exist in the actual workplace, and which meets industry standards for safety and environmental practices.</p> <p>Candidates must be provided with access to:</p> <ul style="list-style-type: none">▪ appropriate documents, materials, tools, equipment, personal					
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	<p>protective equipment (PPE), P2 half-face disposable and re-usable respiratory protective equipment (RPE) currently approved for use in industry, as per codes of practice, Australian Standards: AS/NZ 1715:2009, requirements of legislation, regulations and requirements of workplace policies and procedures as required by Commonwealth, state and territory regulators.</p> <p>Note: Where required, candidates must be clean shaven to wear relevant RPE, in accordance with manufacturer's instructions.</p>	<p>MBA: Under "Note:" add the following sentence:</p> <p><i>In undertaking the performance evidence requirement to clean up worksite dust and slurry, the dust and slurry should not be contaminated with RCS, but the task must be undertaken as though it is.</i></p>				<p>JL: a caveat to discourage potential exposure to RCS and ensure the activities regarding dust and slurry do not create exposure.</p> <p>WG: adopt a revamped version of this statement.</p>
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LINKS	Link to Companion Volume Implementation Guide will be inserted here.					
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CPCSIL2001

Use and maintain respiratory protective equipment

CPCSIL2001: For WG Consideration

The issues for discussion of the working group are:

1. Consider the inclusion of *CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry* as a possible **prerequisite**?

WG Response: The Chair stated that CPCWHS2001 is a fairly common unit across the Construction Training Package. Andrew Park agreed given its widespread applicability in terms of Construction AQF Level 2 units. David Morgan added that the logic in its application across a wide range of Level 2 units was that it was necessary prerequisite for “doing” units owing to WHS reasons. Jennifer Lawrence added that having CPCWHS2001 might not be necessary to people in other areas such as manufacturing. The Chair argued that the prerequisite was relevant because it is a unit primarily for building and construction applications.

UNIT CODE	CPCSIL2001	CFMMEU FEEDBACK	TERESA SIGNARELLO	WG RECOMMENDATION
UNIT TITLE	Use and maintain respiratory protective equipment			
APPLICATION	<p>This unit of competency specifies the skills and knowledge required to use and maintain respiratory protective equipment (RPE) in conjunction with personal protective equipment in the workplace.</p> <p>The unit covers the planning considerations prior to using RPE, performing fit checking, compliant use requirements and following cleaning, maintenance and storage of RPE.</p> <p>The unit is suitable for workers working with products and materials (added WG10) containing crystalline silica and using RPE to mitigate exposure to respiratory crystalline silica (RCS).</p> <p>Licensing, legislative, regulatory or certification requirements may apply to this unit. Relevant</p>		<p>TS: First paragraph - Isn't respiratory protective equipment a form of PPE? Should it therefore read ..."skills and knowledge to use and maintain PPE, including respiratory protective equipment....".</p> <p>Second paragraph-refer previous re use of the word 'covers'</p> <p>Third paragraph-poor grammar, "this unit is suitable for workers working..." Surely the vocabulary can be expanded to avoid repetition. Also, crystalline silica is found in materials such as concrete, masonry and rock. This</p>	<p>ES: suggested that referencing industries that work with concrete, masonry and rock in terms of the Application was limiting and best descriptor was simply "materials".</p> <p>Chair: add "and materials" to the third paragraph to cover the range of materials.</p>

	work health and safety state and territory regulatory authorities should be consulted to confirm jurisdictional requirements.		identifies the work context within which a person may be exposed. Reference to industries that work with concrete, masonry and rock should be made within the Application, e.g. "The context relates to work settings that work with concrete, masonry and rock, though may also relate to other industries???"	
PREREQUISITE UNIT				
COMPETENCY FIELD	Building and Construction			
UNIT SECTOR	Building and Construction			

ELEMENTS	PERFORMANCE CRITERIA			
Elements describe the essential outcomes of the unit.	Performance criteria describe the performance needed to demonstrate achievement of the element.			
1. Prepare and plan to use respiratory protective equipment (RPE).	<p>1.1 Check for worksite RCS hazards, risks to be managed and RPE requirements, in accordance with WHS procedures.</p> <p>1.2 Confirm scope of work and source required RPE to perform work in accordance with WHS procedures.</p> <p>1.3 Identify any specific additional training requirements on RPE use for the work activity, where required in accordance with WHS procedures and manufacturer's instruction.</p>			
2. Use required RPE.	2.1 Select and check serviceability of respiratory protective equipment (RPE) to perform specified work, in accordance with WHS procedures and manufacturer's instructions.	CFMMEU: In element 2. <i>Use required RPE</i> , the following performance criteria should be added:		WG: added the two recommended CFMMEU PCs to Element 2 to provide a holistic

	<p>2.2 Participate in training requirements and work activities to support the compliant use of RPE in accordance with WHS procedures and manufacturer's instructions.</p> <p>2.3 Confirm selected RPE has been fit tested.</p> <p>2.4 Apply manufacturer's instructions for the fit checking prior to each use of RPE in accordance with WHS procedures.</p> <p>2.5 Use required RPE in accordance with WHS procedures and manufacturer's instructions.</p> <p>2.6 Perform cleaning up activities of a work area and disposal of dust and slurry in accordance with WHS procedures.</p> <p>2.5</p>	<p>2.5 Use required RPE in accordance with WHS procedures and manufacturer's instructions.</p> <p>2.6 Perform cleaning up activities of a work area and disposal of dust and slurry in accordance with WHS procedures.</p> <p>WG: AP/Chair: if have not done 1001 then 2.6 is valid. JL: unit more about RPE than site/work activity.</p>	<p>TS: Performance criteria – should p.c. 2.2 and 2.3 be reversed?</p>	<p>approach given that there is no prerequisite undertaking for CPCSIL2001. Andrew Park agreed to this approach.</p>
<p>3. Perform maintenance of RPE.</p>	<p>3.1 Clean, inspect, determine serviceability and dispose of RPE after use in accordance with WHS procedures and manufacturer's instructions.</p>	<p>CFMMEU: In the element 3. Perform maintenance or RPE, the following performance criteria should be added:</p>	<p>TS: For consideration Element 3 reword "Maintain RPE", is more precise. "</p>	<p>WG: Element title changed from "Perform maintenance of RPE" to "Maintain RPE"</p>

	<p>3.2 Record and report findings of serviceability inspections in accordance with WHS procedures and manufacturer's instructions.</p> <p>3.3 Store non disposable RPE in accordance with manufacturer's instructions.</p>	<p>3.4 Dispose of dust in accordance with WHS procedures.</p> <p>3.5 Store non disposable RPE in accordance with manufacturer's instructions. (Moved)</p>		
<p>FOUNDATION SKILLS</p> <p>Foundation skills essential to performance are explicit in the performance criteria of this unit of competency</p>				
<p>UNIT MAPPING INFORMATION</p>	<p>No equivalent unit.</p>			

TITLE	Assessment Requirements for Use and maintain respiratory protective equipment.	CFMMEU FEEDBACK	TERESA SIGNARELLO	WG RECOMMENDATION
PERFORMANCE EVIDENCE	<p>A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria and foundation skills, of this unit, in addition to the specific performance and knowledge evidence described below.</p> <p>Specifically, the candidate must:</p> <p>20. demonstrate how to check serviceability, clean, maintain and store three different types of RPE in accordance with manufacturer’s instructions.</p> <p>21. demonstrate fit checking of the RPE relevant for use with CS.</p>	n/a	n/a	
KNOWLEDGE EVIDENCE	<p>To be competent in this unit, a candidate must demonstrate knowledge of:</p> <ul style="list-style-type: none"> • health and safety risks working with products and materials containing crystalline silica • range of fit for purpose types of RPE • types of RPE <ul style="list-style-type: none"> ○ half face disposable ○ half face reusable 			

	<ul style="list-style-type: none">○ full face reusable○ powered air purifying respirators● RPE manufacturer's instructions● relevant training requirements for RPE:<ul style="list-style-type: none">○ why RPE is required○ how RPE works○ types of RPE○ putting on,○ taking-off○ fit checking○ cleaning○ storage● limitations of RPE● compatibility of RPE with other PPE● relevant Australian Standards or their equivalent:<ul style="list-style-type: none">○ AS/NZ 1715:2009○ AS/NZ 1716:2012● RPE fit checking and fit testing requirements, according to manufacturer's instructions			
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	<ul style="list-style-type: none">• maintenance/inspection requirements RPE, including filters and batteries• repair and/or replacement of RPE• WHS recording and reporting requirements.			
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<p>ASSESSMENT CONDITIONS</p>	<p>Assessment of performance must be undertaken in the workplace or simulated workplace environment.</p> <p>Candidates must be provided with access to:</p> <ul style="list-style-type: none"> ▪ appropriate documents, materials, tools, RPE and personal protective equipment (PPE) currently approved for use in industry, as per codes of practice, Australian Standards, requirements of legislation, regulations and requirements of workplace policies and procedures as required by Commonwealth, state and territory regulators. 			
<p>LINKS</p>	<p>Link to Companion Volume Implementation Guide will be inserted here.</p>			

CPCSIL3001

Work with products and materials
containing crystalline silica

CPCSIL3001: For WG Consideration

The issues for discussion of the working group are:

1. Including additional tools and equipment in the Knowledge Evidence

WG Response: Dealt with at the individual item in the Knowledge Evidence.

2. Consider the inclusion of *CPCSIL2001 Use and maintain respiratory protective equipment* as a **pre-requisite**. Also, *CPCWHS2001 Apply WHS requirements, policies and procedures*

WG Response: Make CPCSIL2001 the prerequisite which contains its own prerequisite CPCWHS2001.

3. Engineered stone (CFMMEU)

WG Response: The Victorian Regulations now deal with engineered stone which require any employer or self-employed person to working with engineered stone to be licenced. There are specific control plans for anyone working with the product. Worksafe Australia are undertaking a position paper as to whether a similar position should be adopted elsewhere. The Chair would like it noted in the Case for Endorsement that these externalities have occurred since the Activity Order for the Silica Safety Project was granted by the AISC and that it may be too late in the process to rework the project to realign the units to these developments. The Working Group and the IRC must note this development. The Victorian Regulation differentiate between high risk silica work and working with engineered stone. Consideration of this may be required for future development work on the silica units.

4. Consider SWMS submission feedback (Katherine Jagger)

WG Response: Dealt with in the applicable section.

5. Consider Application submission feedback (Teresa Signarello)

WG Response: Dealt with in the applicable section.

UNIT CODE	CPCSIL3001	CFMMEU	TERESA SIGNARELLO /KATHERINE JAGGER	WG RECOMMENDATION
UNIT TITLE	Work with products and materials containing crystalline silica			
APPLICATION	<p>This unit of competency specifies the skills and knowledge required to work with products and materials containing crystalline silica and respirable crystalline silica.</p> <p>The unit includes planning for and identifying tools and equipment, including personal protective and respiratory protective equipment to be used while working with products containing crystalline silica.</p> <p>The unit also covers the review of working with products containing crystalline silica.</p> <p>The worksites may be in factory or workshop settings or commercial and residential</p>		Extend the application context to include work settings that work with concrete, masonry and rock...for completeness.	WG: view of the Working Group was that "product & materials" covers concrete, masonry and rock as per Teresa Signarello's feedback.

	<p>settings, construction sites, including demolition sites.</p> <p>Licensing, legislative, regulatory or certification requirements may apply to this unit. Relevant work health and safety state and territory regulatory authorities should be consulted to confirm jurisdictional requirements.</p>			
PREREQUISITE UNIT				
COMPETENCY FIELD	Building and Construction			
UNIT SECTOR	Building and Construction			

ELEMENTS	PERFORMANCE CRITERIA	CFMMEU	TERESA SIGNARELLO /KATHERINE JAGGER	WG RECOMMENDATION
Elements describe the essential outcomes of the unit.	Performance criteria describe the performance needed to demonstrate achievement of the element.			
8. Prepare to handle products containing crystalline silica (CS).	<p>8.1 Interpret work requirements and instructions to handle identified products containing crystalline silica (CS).</p> <p>8.2 Seek feedback from supervisor when CS content of product or material is unknown or unclear.</p> <p>8.3 Read and interpret the safety data sheets for the products containing CS to identify the nature of the product, risk level, risk controls and personal exposure reduction requirements.</p> <p>8.4 Participate in consultations on matters affecting health and safety with respect to exposure to respirable crystalline silica (RCS).</p>	In element 1 . Prepare to handle products containing crystalline silica (CS), there is an assumption that the worker will already know how to use the necessary tools and equipment but unless the relevant “use tools and equipment” unit of competency is added as a pre-requisite then more needs to be added to this unit. If another pre-requisite is not to be added then the performance criteria 1.8 should be modified to remove the reference to the relevant plant tools		

	<p>8.5 Classify level of exposure risk to airborne respiratory crystalline silica (RCS) for identified products, including likely duration of exposure.</p> <p>8.6 Identify the plant, tools, equipment, personal protective equipment (PPE) and respirable protective equipment (RPE) required to perform specified task and in accordance with the hierarchy of controls and regulatory requirements in your control.</p> <p>8.7 Contribute to the development of SWMS for planned work activity and work environment where required.</p> <p>8.8 Source Select and confirm serviceability of relevant plant, tools, equipment, personal protective equipment (PPE) and RPE to perform the work activity in accordance with WHS procedures.</p>	<p>and equipment and the following additional criteria added (go to 1.8):</p> <p>WG: Is there duplication in this 1.1 to 1.8 with what epc's in CPCSIL2001?</p>	<p>KJ: In CPCSIL3001 PC 1.7 also says to contribute to a SWMS. A SWMS is only required if the work task falls under one of the 18 categories of high risk as defined by the WHS regulations. Crystalline silica does not fall under any of the 18 categories of high risk and therefore a SWMS is not required. To meet the PC's, we would have to expose the candidates to a high</p>	
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	<p>Chair: Vince to check other units etc if there is a more succinct wording.</p>	<p>CFMMEU:</p> <p>1.9 Identify any limitations of plant, equipment and tools from manufacturer's instructions.</p> <p>1.10 Check equipment and tools to ensure guards, guides, controls and switches are fitted and functional.</p> <p>1.11 Examine hoses for damage and check electrical leads and power tools are tagged.</p> <p>1.12 Inspect clamps, guides, and equipment used for holding and supporting materials during operation, for faults.</p> <p>1.13 Set aside, tag and report damaged equipment and tools.</p>	<p>risk work task, which is putting them at unnecessary risk and actually detracting from the focus of the unit being CS... If the intent of these PC's are to highlight the health and safety aspects and planning, my suggestion would be to swap SWMS with JSEA."</p> <p>WG: same as per unit 1001</p>	<p>WG: have Vince check for duplication between 1.9 to 1.13 with 1.1 to 1.8 and in the prerequisite units.</p>
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9. Perform work

- 9.1 Review worksite for unplanned hazards and risks to be managed in accordance with WHS procedures.
- 9.2 Perform fit checking of RPE in accordance with manufacturer's instructions and WHS procedures.
- 9.3 Confirm risk control measures for planned work are in place accordance with WHS procedures and manufacturer's instructions.
- 9.4 Perform work activities and continual monitoring of risk control measures in accordance with WHS procedures.

In element 2. Perform work, there is no mention of erecting safety signage and barricades and nothing about the knowledge and safe use of tools and equipment. The following performance criteria should be added:

- 2.4 Erect required safety signage and barricades
- 2.5 Level and stabilise static equipment in appropriate location.
- 2.6 Connect electrical tools to a residual current device (RCD).
- 2.7 Use plant, equipment and tools safely and effectively and only for their intended purpose.
- 2.8 Disconnect portable electrical equipment from source and place in

WG: Jennifer Lawrence suggested, on examination of other Level 3 units when working with tools and equipment, that the essence of the additional proposed dot points could be covered in the following standardised bullet point:

- Inspect worksite, locate services, assess hazards and apply risk controls, including required signage and barricades.

The Chair expressed that placing more detail in units of competency was expressed by the IRC to avoid the so-called RTO "race to the bottom" but there was a need also to balance this with succinctness. The Chair requested Artibus Technical Writer to Vince

		<p>a safe location when not in use.</p> <p>WG: generic vs specific. Guidance in CVIG? Vince to check wording – can 2.4.to 2.8 wording blend with 2.1 to 2.4</p>		<p>check for duplication between 2.4 to 2.8 with 2.1 to 2.4 of the existing unit and to harmonise the versions.</p>
<p>10. Perform maintenance activities and clean-up work area</p>	<p>10.1 Identify RPE maintenance, storage and waste disposal requirements in accordance with manufacturer’s instructions and WHS procedures.</p> <p>10.2 Clean up and dispose of dust and slurry from work area and PPE in accordance with WHS procedures.</p> <p>10.3 Clean, inspect and determine serviceability of RPE, tools and equipment, in accordance with WHS procedures and manufacturer’s instructions.</p> <p>10.4 Apply maintenance requirements and record and report findings of serviceability inspections in accordance with</p>	<p>In element 3. Perform maintenance activities and clean-up work area, there should be an additional performance criteria: “Store and secure tools and equipment following workplace procedures</p>		<p>WG: were in full agreement with the inclusion of the CFMMEU feedback and its placement into the PC.</p>

	<p>WHS procedures and manufacturer's instructions.</p> <p>10.5 Store and secure tools and equipment in accordance with WHS procedure, manufacturer's instructions and workplace procedures.</p>			
<p>11. Review working with products containing crystalline silica.</p>	<p>11.1 Assess effectiveness of the use of relevant tools, equipment and PPE and/or RPE in mitigating exposure risk.</p> <p>11.2 Record and report on workplace health and safety incidents resulting from work activities using the product(s) containing CS.</p> <p>11.3 Record and report on findings of handling and use of products containing crystalline silica, as part of workplace continuous improvement and WHS processes and requirements.</p>			
<p>FOUNDATION SKILLS</p> <p>Foundation skills essential to performance are explicit in the performance criteria of this unit of competency</p>				

UNIT MAPPING INFORMATION	No equivalent unit.			
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TITLE	Assessment Requirements for Work with products containing crystalline silica.	CFMMEU	TERESA SIGNARELLO /KATHERINE JAGGER	WG RECOMMENDATION
PERFORMANCE EVIDENCE	<p>A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria and foundation skills, of this unit, in addition to the specific performance and knowledge evidence described below.</p> <p>Candidates must be able to:</p> <p>22. demonstrate safe use of personal protective and respiratory protective equipment, including fit checking of disposable and re-usable devices for three different work activities in accordance with manufacturer’s instructions</p> <p>23. demonstrate working, such as cutting, drilling or grinding with at least three different products containing crystalline silica applying all relevant health and safety considerations including dust capture and suppression measures, personal protective and/or respiratory protective equipment.</p> <p>24. demonstrate cleaning and disposal of contaminated products and work area in accordance with WHS procedures.</p>	n/a	n/a	

KNOWLEDGE EVIDENCE	<p>To be competent in this unit, a candidate must demonstrate knowledge of:</p> <ul style="list-style-type: none">• hierarchy of risk control measures:<ul style="list-style-type: none">○ elimination○ substitution○ isolation○ engineering controls○ administrative controls○ PPE/RPE• health and safety risks working with products and materials containing crystalline silica features, commonalities and differences between crystalline silica and respirable crystalline silica• products containing crystalline silica, such as:<ul style="list-style-type: none">○ engineered stone○ concrete○ mortar○ bricks○ pavers○ tiles○ natural stone○ cement sheeting			
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	<ul style="list-style-type: none">○ aerated concrete● silica dust generated by workplace mechanical processes, such as:<ul style="list-style-type: none">○ cutting○ crushing○ drilling○ grinding○ cutting, grinding and/or abrasive polishing of engineered stone● additional work activities that can generate respirable silica dust particles include:<ul style="list-style-type: none">○ excavation, earth moving and drilling plant operations○ demolition○ clay and stone processing machine operations○ paving and surfacing○ mining, quarrying and mineral ore treating processes○ tunnelling○ construction labouring activities○ brick, concrete or stone cutting; especially using dry methods			
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	<ul style="list-style-type: none">○ abrasive blasting (blasting agent must not contain greater than 1 per cent of crystalline silica)○ foundry casting○ angle grinding, jack hammering and chiselling of concrete or masonry○ hydraulic fracturing of gas and oil wells, and○ pottery making● worksites where silica dust can be found:<ul style="list-style-type: none">○ manufacturing environment○ residential construction○ commercial construction○ civil construction● AS/NZ 1715:2009 and AS/NZ 1716:2012 or their successors● Relevant Australian Standards, regulations and codes of practice● WHS procedures● relevant legislation governing handling and working with products containing CS, including monitoring requirements● employer responsibilities and duty of care requirements:			
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	<ul style="list-style-type: none">○ consultation and communication processes○ health monitoring○ personal exposure monitoring● employee responsibilities and requirements● use personal protective equipment (PPE) and compliant respiratory protective equipment (RPE), including disposable and re-usable devices with AS/NZ 1715:2009 and AS/NZ 1716:2012 or equivalent● RPE:<ul style="list-style-type: none">○ half face disposable○ half face reusable○ full face reusable○ powered air purifying respirators● factors affecting fit of PPE and RPE e.g., beards and facial hair● range of compliant plant, tools and equipment used with products containing crystalline silica● relevant documents with information on safe work practices			
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	<p>and technical information on products containing CS, such as:</p> <ul style="list-style-type: none">○ Workplace health & safety policies and procedures○ Relevant jurisdictional legislation○ Relevant codes of practice○ Safety Work Method Statements (SWMS)○ Job Safety & Environmental Analysis (JSEA)○ Safety Data Sheets (SDS)○ Product manuals○ Technical specifications○ Product labels <ul style="list-style-type: none">● maintenance requirements on respirators for RCS and for power tools, plant and equipment● safe cleaning & housekeeping methods with silica dust, including cleaning and managing wet or dry material on clothing● dust control measures.			
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ASSESSMENT CONDITIONS	<p>Assessment of performance must be undertaken in the workplace or simulated workplace environment. A simulated workplace is one that fully replicates the resources, environment and any time and productivity pressures that exist in the actual workplace, and which meets industry standards for safety and environmental practices.</p> <p>Candidates must be provided with access to:</p> <ul style="list-style-type: none">• real or simulated worksites• environmental requirements and sustainability principles• relevant task or work specifications• appropriate documents, materials, tools, equipment, personal protective equipment (PPE) and P2 half-face disposable and reusable respiratory protective equipment (RPE) and RPE currently approved for use in industry and worksite, as per codes of practice• relevant Australian Standards, legislation, regulations and re-			
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	<p>quirements of workplace policies and procedures as required by Commonwealth, state and territory regulators.</p> <p>Note: Where possible products used for training should contain low levels of silica to minimise the risk of exposure to respirable crystalline silica and where required, candidates must be clean shaven to wear relevant RPE, in accordance with manufacturer's instructions.</p>			
LINKS	<p>Link to Companion Volume Implementation Guide will be inserted here.</p>			

CPCSIL4001 Supervise and manage work
with products and materials containing
respirable crystalline silica

CPCSIL4001: For WG Consideration

The issues for discussion of the working group are:

1. CFMMEU feedback:

“The CFMMEU is broadly supportive of this unit but, in light of the recent changes to the Victorian regulations dealing with crystalline silica and the strong possibility of the introduction of similar if not identical regulations in other States and Territories, believes that the content should be reviewed to ensure that it aligns with the requirements of the regulations.”

See: *CFMMEU Comments on Draft Silica Safety Units of Competency Released for Validation*, 17.12.21.

WG Response: The Victorian Regulations now deal with engineered stone which require any employer or self-employed person to working with engineered stone to be licenced. There are specific control plans for anyone working with the product. Worksafe Australia are undertaking a position paper as to whether a similar position should be adopted elsewhere. The Chair would like it noted in the Case for Endorsement that these externalities have occurred since the Activity Order for the Silica Safety Project was granted by the AISC and that it may be too late in the process to rework the project to realign the units to these developments. The Working Group and the IRC must note this development. The Victorian Regulation differentiate between high risk silica work and working with engineered stone. Consideration of this may be required for future development work on the silica units.

UNIT CODE	CPCSIL4001	CFMMEU	TERESA SIGNARELLO /KATHERINE JAGGER	WG RECOMMENDATION
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UNIT TITLE	Supervise and manage work with products and materials generating respirable crystalline silica			
APPLICATION	<p>This unit of competency specifies the skills and knowledge required to supervise and manage working with products and materials generating respirable crystalline silica (RCS). The unit includes planning for and supervising the use of compliant plant, tools and equipment to work with products and materials containing crystalline silica.</p> <p>The unit also covers briefing workers on compliant work requirements and covers the establishing of appropriate risk control measures, so far as reasonably practical, for potential exposure to respirable crystalline silica. The unit also covers work practices as part of continuous improvement processes for</p>		<ul style="list-style-type: none"> • First sentence – grammar, should read “this unit of competency.....supervise and manage those working with products and materials that generate respirable crystalline silica (RCS). • Second paragraph – remove ‘covers’, refer previous comments 	

	<p>workplace health & safety when working with products and materials containing crystalline silica.</p> <p>The unit is suitable for persons conducting a business or undertaking (PCBU), employers, supervisors and managers responsible for ensuring the health and safety of employees, contractors and sub-contractors and suppliers when working with products and materials containing crystalline silica.</p> <p>The worksite may be a factory or workshop setting or commercial and residential settings and construction sites, including demolition sites.</p> <p>Licensing, legislative, regulatory or certification requirements may apply to this unit. Relevant work health and safety state and territory regulatory authorities should be consulted to confirm jurisdictional requirements.</p>		<ul style="list-style-type: none">• Third paragraph – include reference to concrete etc for accurate context.	
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PREREQUISITE UNIT				
COMPETENCY FIELD	Building and Construction			
UNIT SECTOR	Building and Construction			

ELEMENTS	PERFORMANCE CRITERIA	CFMMEU	TERESA SIGNARELLO /KATHERINE JAGGER	WG RECOMMENDATION
Elements describe the essential outcomes of the unit.	Performance criteria describe the performance needed to demonstrate achievement of the element.			
7. Plan and prepare for work.	<p>7.1 Check work or design requirements and workplace environment to determine level of exposure to respirable crystalline silica (RCS) from work activity, so far as reasonably practical, in accordance with WHS procedures and manufacturer's instructions.</p> <p>7.2 Arrange air monitoring where required, in accordance with WHS procedures and WHS regulations.</p> <p>7.3 Identify WHS requirements for working with products containing crystalline silica (CS), including Codes of Practice, Guidance Notes, and Safety Data Sheets where available.</p>			

	<p>7.4 Plan for relevant training to develop safe work method statements (SWMS) for the work activity where required.</p> <p>7.5 Identify product(s) and materials containing crystalline silica (CS), including Safety Data Sheets or relevant technical data sheets, where required, to be used relating to work specifications and requirements.</p> <p>7.6 Plan to implement and manage appropriate combination of controls, so far as reasonably practical, in accordance with WHS procedures.</p> <p>7.7 Check serviceability of relevant plant, tools, equipment, personal protective equipment (PPE) and respiratory protective equipment (RPE) for planned workers, to perform specified work, in accordance with WHS policy and procedures.</p> <p>7.8 Determine competency requirements for all workers to perform specified work and ar-</p>			
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	<p>range for training where applicable, in accordance with WHS procedures.</p> <p>7.9 Prepare details and records for briefings and ongoing workplace communication protocols, including management of contingencies for duration of project.</p>			
<p>8. Conduct workplace briefings and consultations.</p>	<p>8.1 Communicate monitoring process of work schedule(s), product(s) and materials to be used and related risk control measures, to all workers for safe and compliant work practices in accordance with WHS procedures.</p> <p>8.2 Confirm with all workers designated work roles and responsibilities to perform work and identify health and safety risks of product(s) and materials containing CS.</p> <p>8.3 Consult with all workers communication and reporting protocols, including levels of re-</p>	<p>Element 2 is about communication- where is the underpinning knowledge related to communication? This feedback was provided previously.</p> <p>WG: note in minutes refer to KE.</p>		<p>WG: Vince Rio questioned this feedback on the basis that it is covered as a KE.</p>

	<p>sponsibility and seeking authoritative advice working with products and materials containing CS.</p> <p>8.4 Confirm with all workers the expected compliant use of PPE, RPE and safe work practices working with products and materials containing CS in accordance with manufacturer's instructions and WHS procedures.</p> <p>8.5 Confirm with all workers where RPE fit testing is required and their responsibilities to ensure fit checking of RPE in accordance with manufacturer's instructions and WHS procedures.</p>			
<p>9. Implement safety requirements.</p>	<p>9.1 Develop and implement a safe work method statement (SWMS) or hazard control statement for work activity where required.</p> <p>9.2 Assign and confirm worker roles and responsibilities to perform work activity to ensure</p>			

	<p>workers are appropriately trained on RPE use, fit checking, maintenance, serviceability and storage in accordance with manufacturer's instructions and WHS procedures.</p> <p>9.3 Ensure plant, tools and equipment comply with workplace safety requirements and dust capture and extraction, suppression and management.</p> <p>9.4 Apply appropriate combination of control measures in accordance with duration of work activity.</p> <p>9.5 Ensure selection of correct RPE for work activity and conduct or arrange fit testing for operator(s) and other workers where applicable, in accordance with manufacturer's instructions.</p>	<p>Performance Criteria 3.3 and 3.5-rewrite. 'Ensure' is not demonstrable or assessable.</p>		
<p>10. Manage work site operations.</p>	<p>10.1 Confirm selection, use and serviceability of PPE and relevant respiratory protective equipment, for the type and scope of work with all workers,</p>			

	<p>in accordance with manufacturer's specifications and WHS procedures.</p> <p>10.2 Monitor compliant use of plant, tools and equipment for work activities in managing respirable crystalline silica in accordance with WHS procedures and WHS Regulations.</p> <p>10.3 Conduct ongoing monitoring and assessments of levels of adherence to agreed safe work practices and control measures, in accordance with WHS policy and procedures.</p> <p>10.4 Perform appropriate ongoing work site consultations and communicationsto ensure compliance with agreed control measures and WHS procedures working with products and materials containing CS.</p> <p>10.5 Apply appropriate escalation processes where control measures or mitigation strategies are deemed to be ineffective or compromised and/or beyond scope of supervisor, in</p>			
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	<p>accordance with WHS policy and procedures.</p> <p>10.6 Coordinate relevant manufacturers, suppliers, installers and relevant other trades, in accordance with work schedule(s), product and material use and relevant risk control measures in place.</p> <p>10.7 Manage work practice adjustments and risk control contingencies due to varying work conditions in accordance with WHS policies and procedures.</p>			
<p>11. Oversee compliant clean up, maintenance and storage operations.</p>	<p>11.1 Check completion of clean-up of work area plant, tools, equipment and PPE is performed and dust and slurry disposal complies WHS policy and procedures.</p> <p>11.2 Check RPE is appropriately cleaned, maintenance and storage requirements is performed in accordance with manufacturer's instructions.</p>			

12. Review workplace operations.

12.1 Review applied work practices with products and materials containing CS for compliance with WHS procedures, employee health and safety and relevant regulatory requirements.

12.2 Assess effectiveness of applied control measures in managing exposure of risk during workplace operations.

12.3 Assess the serviceability and effectiveness of the PPE, including respiratory equipment used in mitigating exposure risk for duration of work.

12.4 Record, report and recommend for implementation compliance findings in accordance with workplace continuous improvement processes and requirements.

12.5 Record, store and report relevant air monitoring and worker health monitoring reports, in

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	accordance with WHS legisla- tion requirements and WHS procedures.			
FOUNDATION SKILLS Foundation skills essential to performance are explicit in the performance criteria of this unit of competency				
UNIT MAPPING INFORMATION	No equivalent unit.			

TITLE	Assessment Requirements for Supervise and manage work with products and materials generating respirable crystalline silica.	CFMMEU	TERESA SIGNARELLO /KATHERINE JAGGER	WG RECOMMENDATION
PERFORMANCE EVIDENCE	<p>A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria and foundation skills, of this unit, in addition to the specific performance and knowledge evidence described below.</p> <p>Candidates must be able to:</p> <ul style="list-style-type: none"> demonstrate the selection and application of a combination of control measures for different products and materials containing CS, on three separate occasions for the work activity <p>In doing so, the candidate must:</p> <ul style="list-style-type: none"> demonstrate compliance with selection and use of respirable protective equipment (RPE) for all workers for the work activity verify fit checking of RPE, training for staff in the use, maintenance, and storage of RPE 	n/a	n/a	n/a

	<ul style="list-style-type: none"> • verify setup, use and maintenance of plant, tools and equipment with selected control measures. 			
<p>KNOWLEDGE EVIDENCE</p>	<p>To be competent in this unit, a candidate must demonstrate knowledge of:</p> <ul style="list-style-type: none"> ▪ hierarchy of control measures: <ul style="list-style-type: none"> ○ elimination ○ substitution ○ isolation ○ engineering controls ○ administrative controls ○ PPE/RPE ▪ health risks working with products and materials containing crystalline silica ▪ health effects from inhaling RCS ▪ products containing crystalline silica, such as: <ul style="list-style-type: none"> ○ engineered stone ○ concrete ○ mortar ○ bricks ○ pavers ○ tiles 			

	<ul style="list-style-type: none">○ natural stone○ cement sheeting○ aerated concrete▪ WHS Regulations▪ Australian Standards AS/NZ1715:2009 and AS/NZ1716:2012 or their successors▪ employer responsibilities and duty of care requirements:<ul style="list-style-type: none">○ consultation and communication processes○ WHS regulations and health monitoring requirements○ personal exposure monitoring▪ safety information documents:<ul style="list-style-type: none">○ codes of practice○ guidance notes○ job safety analysis (JSA)○ safety data sheets (SDS)○ safe work method statement (SWMS)▪ types of silicosis based on frequency of exposure and level of dust			
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	<ul style="list-style-type: none">▪ industries impacted by potential exposure to respiratory crystalline silica▪ employer responsibilities and duty of care requirements:<ul style="list-style-type: none">○ consultation and communication processes○ health monitoring○ personal exposure monitoring▪▪ range of compliant plant, tools and equipment used with products and materials containing high silica content▪ maintenance requirements on respirators for RCS and for power tools, plant and equipment▪ maintenance and storage requirements for RPE▪ RPE fit testing and fit checking requirements▪ training for RPE use, maintenance and storage▪ housekeeping methods:<ul style="list-style-type: none">○ regular cleaning practices○ wearing RPE during cleaning			
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	<ul style="list-style-type: none">○ avoid sweeping of dust○ M to H Class vacuum cleaners○ wet wiping○ use of water filtration▪ dust control measures▪ engineering controls, including maintenance:<ul style="list-style-type: none">○ dust capture extraction○ wet cutting methods and water suppression○ respiratory protection○ local exhaust ventilation▪ activities generating RCS health hazards and risks:<ul style="list-style-type: none">○ cutting○ grinding○ polishing○ drilling○ demolishing○ excavating▪ WHS policy and procedures▪ Reporting notifiable incidents▪ WHS recording, reporting and audit requirements of records.			
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	<ul style="list-style-type: none"> environmental guidelines regarding waste disposal of slurry mixers 			
ASSESSMENT CONDITIONS	<p>Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Where the</p> <ul style="list-style-type: none"> contingency planning. 			
	<p>assessment occurs in a simulated workplace environment, the appropriate simulation(s) must reflect realistic workplace situations.</p> <p>Candidates must be provided with access to:</p> <ul style="list-style-type: none"> relevant task or work specifications appropriate documents, materials, tools, equipment and personal protective equipment (PPE) and respiratory protective equipment (RPE) currently approved for use in industry, as per codes of practice Australian Standards, relevant building legislation, industry codes, regulations and requirements of workplace policies and procedures as required by Commonwealth, state and territory regulators relevant environmental requirements. 			

	Note: Where possible products used for training should contain low levels of silica to minimise the risk of exposure to respirable crystalline silica.			
LINKS	Link to Companion Volume Implementation Guide will be inserted here.			