

# Mapping Tool

## CPCWHS1001 Prepare to work safely in the construction industry

**Note: This completed document shows that the enclosed learning materials have been mapped against the Unit of Competency.**

### Legend

PC	Performance Criteria
PE	Performance Evidence
KE	Knowledge Evidence

### Application

This unit of competency specifies the mandatory work health and safety training required prior to undertaking construction work. The unit requires the person to demonstrate personal awareness and knowledge of health and safety legislative requirements in order to work safely and prevent injury or harm to self and others. It covers identifying and orally reporting common construction hazards, understanding basic risk control measures, and identifying procedures for responding to potential incidents and emergencies. It also covers correctly selecting and fitting common personal protective equipment (PPE) used for construction work.

This unit meets the general construction induction training requirements of:

- Part 1.1 Definitions and Part 6.5 of the Model Work Health and Safety Regulations;
- Division 11 of Part 3 of the Occupational Safety and Health Regulations 1996 for Western Australia; and
- Division 3 of Part 5.1 of the Occupational Health and Safety Regulations 2007 for Victoria

It is expected that site-specific induction training will be conducted prior to conducting construction work.

Licensing, legislative, regulatory or certification requirements apply to this unit. Relevant work health and safety state and territory regulatory authorities should be consulted to confirm jurisdictional requirements

The assessment must reflect a range of methods including practical demonstration, oral and written reporting.

The assessment of performance evidence must be conducted by direct observation of the learner by an assessor, either by an assessor observing the learner physically and/or by an assessor observing the learner via audio and visual media in real time.

<b>Elements and Performance Criteria</b>
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Performance Criteria (PC)	Learner Guide & Multimedia Presentation	Knowledge training task	Practical training task	Assessment (summative assessment)		RTO to fill out (Customised and additional materials, eg. web sites, DVDs, handouts...)
				Knowledge	Practical	
Element 1 Identify health and safety legislative requirements of construction work						
1.1 Basic roles, responsibilities and rights of duty holders are identified and explained according to jurisdictional health and safety legislative requirements	1.1 Health & safety legislative requirements	Question 1, 2, 3, 4, 5, 6	Training Task 1	Question (Multi Choice) 1, 2, 3 (Short Answer) 1, 2, 3	Task 6	
1.2 Duty of care requirements are identified	1.2 Duty of care requirements	Question 7, 8, 9, 10, 11	Training Task 1	Question (MC) 4, 5, 6, 7, 8, 9, 10, 11, 12 (SA) 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	Task 2	
1.3 Construction safe work practices are identified and explained	1.3 Safe work practices	Question 12, 13, 14, 15	Training Task 1	Question (MC) 13, 14, 15, 16, 17, 18, 19, 20 (SA) 14, 15, 16, 17, 18, 19, 20	Task 2	

Performance Criteria (PC)	Learner Guide & Multimedia Presentation	Learner Workbook (formative assessment)		Assessment (summative assessment)		RTO to fill out (Customised and additional materials, eg. web sites, DVDs, handouts...)
		Knowledge	Practical Task	Knowledge	Practical	
Element 2 Identify construction hazards and risk control measures						
2.1 Basic principles of risk management are identified	2.1 Basic principles of risk management	Question 16, 17, 18	Training Task 2, 3, 6	Question (MC) 21, 22, 23, 24 (SA) 21, 22, 23	Task 1	
2.2 Construction hazards are identified and discussed	2.2 Common construction hazards	Question 19, 20	Training Task 2, 3, 6	Question (MC) 25 (SA) 24a, 24b	Task 1	
2.3 Purpose and use of PPE are identified and demonstrated	2.3 Personal protective equipment (PPE)	Question 21, 22, 23	Training Task 3, 8	Question (MC) 26, 27, 28 (SA) 25, 26	Task 1, 7	
2.4 Measures for controlling hazards are identified	2.4 Measures for controlling hazards	Question 24, 25, 26, 27, 28	Training Task 2, 6	Question (MC) 29, 30, 31 (SA) 27, 28, 29, 30, 31	Task 1, 5	

Performance Criterion (PC)	Learner Guide & Multimedia Presentation	Learner Workbook (formative assessment)		Assessment (summative assessment)		RTO to fill out (Customised and additional materials, eg. web sites, DVDs, handouts...)
		Knowledge	Practical Task	Knowledge	Practical	
Element 3 Identify health and safety communication and reporting processes						
3.1 Health and safety documents are identified and discussed	3.1 Health and safety documents	Question 29, 30, 31, 32, 33, 34	Training Task 6	Question (MC) 32, 33, 34, 35  (SA) 32, 33, 34, 35	Task 5	
3.2 Roles of designated health and safety personnel are identified and explained	3.2 Designated health and safety personnel	Question 35, 36, 37	Training Task 7	Question (MC) 36, 37, 38  (SA) 36, 37, 38	Task 6	
3.3 Safety signs and symbols are identified and explained	3.3 Safety signs and symbols	Question 38, 39, 40	Training Task 4	Question (MC) 39, 40, 41, 42, 43, 44, 45  (SA) 39, 40, 41, 42	Task 4	
3.4 Procedures for reporting hazards, incidents and injuries are identified	3.4 Procedures for reporting hazards, incidents and injuries	Question 41, 42, 43	Training Task 3	Question (MC) 46, 47, 48, 49, 50  (SA) 43, 44, 45, 46, 47, 48	Task 3	

Performance Criterion (PC)	Learner Guide & Multimedia Presentation	Learner Workbook (formative assessment)		Assessment (summative assessment)		RTO to fill out (Customised and additional materials, eg. web sites, DVDs, handouts...)
		Knowledge	Practical Task	Knowledge	Practical	
Element 4 Identify incident and emergency response procedures						
4.1 Procedures for responding to incidents and emergencies are identified and explained	4.1 Procedures for incident response	Question 44, 45, 46	Training Task 5	Question (MC) 51, 52, 53, 54, 55, 56, 57  (SA) 49, 50, 51, 52, 53, 54	Task 2	
4.2 Procedures for accessing first aid are identified	4.2 First Aid	Question 47, 48	Training Task 5	Question (MC) 58 (SA) 55	Task 2	
4.3 Types and purpose of fire safety equipment are identified and discussed	4.3 Fire safety equipment	Question 49, 50, 51	Training Task 5	Question (MC) 59, 60, 61 (SA) 56, 57, 58, 59	Task 2, 3	

### Assessment requirements – Performance evidence (PE)

A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria, foundation skills, and range of conditions of this unit, in addition to the specific performance and knowledge evidence described below. The person must:		Summative Assessment Instrument (Practical)
<b>PE 1</b>	Identify and orally report two construction hazards	Task 1
<b>PE 2</b>	explain how risk could be reduced or removed in relation to those two hazards	Task 2
<b>PE 3</b>	Select appropriate personal protective equipment (PPE) to control the risk	Task 3
<b>PE 4</b>	explain basic procedures for responding to incidents and emergencies, including types and purpose of the following fire safety equipment: <ul style="list-style-type: none"> <li>• fire blankets</li> <li>• fire extinguishers: including water, carbon dioxide, powder and foam</li> <li>• hose reels and mains</li> </ul>	Task 5
<b>PE 5</b>	Identify and orally explain the meaning of required safety signs and symbols	Task 6
<b>PE 6</b>	explain the purpose of job safety analyses (JSA's), safe work method statements (SWMS) and safety data sheets (SDS)	Task 6
<b>PE 7</b>	explain the roles of the following designated health and safety personnel: <ul style="list-style-type: none"> <li>• first aid officers</li> <li>• work health and safety representatives (WHS)</li> <li>• work health and safety committee members</li> <li>• supervisors</li> </ul>	Task 8
<b>PE 8</b>	The person must also demonstrate correctly fitting to themselves the PPE listed below: <ul style="list-style-type: none"> <li>• eye protection</li> <li>• hearing protection</li> <li>• hard hat</li> <li>• high visibility vest, shirt or jacket.</li> </ul>	Task 4

### Assessment requirements – Knowledge Evidence (KE)

A person must demonstrate knowledge of:		Summative Assessment Instrument (Knowledge)
<b>KE 1</b>	Basic duty of care, and the roles, rights and responsibilities of business owners and workers in relation to working safely while undertaking construction work	Question (MC) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 (SA) 4, 5, 6, 7, 8, 9, 10, 11
<b>KE 2</b>	Basic meaning of the terms 'hazard' and 'risk'	Question (MC) 21, 22 (SA) 21, 22
<b>KE 3</b>	Basic principles of risk management, including the following five steps in order: <ul style="list-style-type: none"> <li>• identify hazard</li> <li>• assess risk</li> <li>• consult and report</li> <li>• control hazard</li> <li>• review</li> </ul>	Question (MC) 24, 32 (SA) 23
<b>KE 4</b>	Basic procedures for accessing first aid	Question (MC) 37, 42, 58 (SA) 41, 55

### Assessment requirements – Knowledge Evidence (KE) continued

A person must demonstrate knowledge of:		Summative Assessment Instrument (Knowledge)
<b>KE 5</b>	<p>Construction hazards, including those relating to:</p> <ul style="list-style-type: none"> <li>• asbestos</li> <li>• confined spaces</li> <li>• electrical: powerlines, cords and equipment</li> <li>• excavations and trenches, including underground services</li> <li>• dust</li> <li>• falling objects</li> <li>• hazardous substances and dangerous goods</li> <li>• hot and cold work environments</li> <li>• manual handling</li> <li>• noise</li> <li>• plant and equipment operation</li> <li>• traffic and mobile plant</li> <li>• unplanned collapse</li> <li>• ultraviolet (UV) radiation</li> <li>• working at heights, including scaffolding</li> </ul>	<p>Question (MC) 25 (SA) 24a, 24b</p>
<b>KE 6</b>	Construction work that requires a high-risk licence	<p>Question (MC) 12 (SA) 13</p>



### Assessment requirements – Knowledge Evidence (KE) Continued

A person must demonstrate knowledge of:		Summative Assessment Instrument (Knowledge)
<b>KE 7</b>	Types, purpose and use of PPE used in construction, as specified in the performance evidence, and including safety footwear, harness and respiratory protection, and UV protective clothing and sunscreen	Question (MC) 26, 27, 28 (SA) 25, 26
<b>KE 8</b>	Construction emergencies, including: <ul style="list-style-type: none"> <li>• chemical spill</li> <li>• fire</li> <li>• injury to personnel</li> <li>• structural collapse</li> <li>• toxic or flammable vapour emission</li> <li>• vehicle or mobile plant accident</li> </ul>	Question (MC) 56 (SA) 51
<b>KE 9</b>	Construction incidents, including: <ul style="list-style-type: none"> <li>• incidents resulting in personal injury or damage to property</li> <li>• near misses or dangerous occurrences that do not cause injury but may pose an immediate and significant risk to persons or property, and need to be reported so that action can be taken to prevent recurrence</li> </ul>	Question (MC) 47, 57 (SA) 45, 49

### Assessment requirements – Knowledge Evidence (KE) Continued

A person must demonstrate knowledge of:		Summative Assessment Instrument (knowledge)
<b>KE 10</b>	<p>Safe work practices that should be followed in construction work, including:</p> <ul style="list-style-type: none"> <li>• accessing and using site amenities for drinking water, hand washing and toilets</li> <li>• following safety procedures when performing work tasks and using equipment</li> <li>• identifying and reporting hazards, incidents and injuries in the workplace</li> <li>• keeping the work area clean, tidy and free from debris</li> <li>• not using or being affected by drugs and/or alcohol while at work</li> <li>• preventing bullying and harassment in the workplace</li> <li>• selecting and using required PPE</li> <li>• smoking only in designated areas</li> <li>• storing and removing waste and debris in designated areas</li> </ul>	<p>Question (MC) 13, 17, 26, 28 (SA) 14, 15, 16, 17, 18, 19, 20, 25</p>
<b>KE 11</b>	<p>Meanings and symbols associated with construction safety signs, symbols and tags, including:</p> <ul style="list-style-type: none"> <li>• emergency information signs: exits, emergency equipment and first aid</li> <li>• fire signs: location of fire alarms and firefighting equipment</li> <li>• hazard signs and symbols: danger and warning</li> <li>• regulatory signs and symbols: prohibition, mandatory and limitation or restriction</li> <li>• safety lockout tags: danger and out-of-service tags</li> </ul>	<p>Question (MC) 14, 40, 41, 44, 45 (SA) 39, 40, 41, 42, 43</p>

Foundation Skills			
This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.			
	Skill	Performance feature	
<b>FS 1</b>	Numeracy skills to:	<ul style="list-style-type: none"> <li>Locate and recognise numbers commonly used in safety signs</li> </ul>	Task 3
<b>FS 2</b>	Oral communication skills to:	<ul style="list-style-type: none"> <li>Ask questions to clarify instructions</li> <li>Listen to instructions to identify key safety information</li> <li>Tell another person about a construction problem or hazard</li> </ul>	Task 1
<b>FS 3</b>	Reading skills to:	<ul style="list-style-type: none"> <li>Follow simple pictorial safety instructions</li> <li>Follow simple safety instructions that are written in English</li> </ul>	Task 3
<b>FS 4</b>	Problem-solving skills to:	<ul style="list-style-type: none"> <li>Select risk control measures</li> </ul>	Task 1
<b>FS 5</b>	Written skills to:	<ul style="list-style-type: none"> <li>complete a basic form.</li> </ul>	Task 7 b.

## Assessment Conditions

The following must be present and available to learners during assessment activities:

- Equipment: All of the PPE listed in the performance evidence
- Specifications: State or territory Act relevant to the location of the learner, as specified in the range of conditions.

The assessment of performance evidence must be done by direct observation of the learner by an assessor, either by an assessor observing the learner physically and/or by an assessor observing the learner via audio and visual media in real time.

Candidate is to orally explain answers to questions from the “White Card Practical Assessment Student Copy document”, and where practical activities are needed to be demonstrated assessor is to be record oral assessment and demonstration being performed. A video file must be accompanied and stored of candidate performing practical activities.

## Assessor Requirements

As a minimum, assessors must satisfy the assessor requirements in the Standards for Registered Training Organisations (RTOs) current at the time of assessment.

Assessors must hold the unit *CPCCWHS1001 Prepare to work safely in the construction industry*, or its successor.

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>