



Australian Government

BSBWHS518 Manage WHS hazards associated with maintenance and use of plant

Release: 1

BSBWHS518 Manage WHS hazards associated with maintenance and use of plant

Modification History

Release	Comments
Release 1	This version first released with BSB Business Services Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to effectively manage work health and safety (WHS) hazards and to comply with WHS laws, as they apply to the management or control of items of plant being maintained and used in a workplace. It requires strong communication skills and systematic approaches to identify and resolve WHS issues associated with plant.

The unit applies to those who provide guidance to others in the workplace in managing WHS hazards associated with plant. The unit does not apply to the design, manufacture, supply, installation, construction or commissioning of plant or issuing of licences associated with plant.

NOTES

1. The terms ‘occupational health and safety’ (OHS) and ‘work health and safety’ (WHS) are equivalent, and generally either can be used in the workplace. In jurisdictions where *model WHS laws* have not been implemented, registered training organisations (RTOs) are advised to contextualise this unit of competency by referring to existing WHS legislative requirements.
2. The *model WHS laws* include the model WHS Act, model WHS Regulations and model WHS Codes of Practice. See Safe Work Australia for further information.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Regulation, Licensing and Risk – Work Health and Safety

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify WHS hazards associated with plant	1.1 Access sources of WHS information, data and advice relating to items of workplace plant 1.2 Inspect items of plant and identify how they are to be used, according to organisational policies and procedures 1.3 Determine WHS hazards arising from plant use, condition, suitability, location and potential abnormal situations 1.4 Consult with others to confirm hazard identification 1.5 Record and report identified hazards according to organisational policies and procedures
2. Assess WHS risks associated with plant	2.1 Access sources of information, data and advice to assist with assessing WHS risks associated with identified plant hazards 2.2 Consult with others to inform WHS risk assessment according to organisational policies and procedures 2.3 Record and report on WHS risk assessment according to WHS laws and organisational policies and procedures
3. Control WHS risks associated with maintenance and use of plant	3.1 Access sources of information, data and advice to inform development of risk controls for safe maintenance and use of plant 3.2 Develop risk controls to be implemented according to the hierarchy of control measures, WHS legislative requirements and organisational policies and procedures 3.3 Consult with, and report to, required internal and specialist personnel in relation to risk controls to be implemented 3.4 Communicate rights, obligations and duties of workplace personnel in relation to identified hazards and risk controls associated with plant 3.5 Monitor effectiveness of implemented risk controls 3.6 Record and report on implemented risk controls according to WHS legislative requirements and organisational policies and procedures
4. Advise on registration, licensing and certification	4.1 Identify types of plant requiring registration and tasks requiring operator licensing and/or certification according to

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issues associated with plant	WHS legislative requirements 4.2 Document registration, licensing and certification requirements according to organisational procedures 4.3 Monitor and report compliance with WHS regulatory requirements for registration, licensing and certification according to organisational procedures 4.4 Communicate registration, licensing and certification requirements to required personnel
5. Manage training requirements for plant maintenance and operation	5.1 Identify WHS-related training needs associated with plant items, and applicable registration, licensing and certification requirements 5.2 Identify skill gaps of those maintaining and using plant, and determine and communicate their associated training needs 5.3 Ensure training is undertaken and completed prior to commencing work with new plant and/or new system of work 5.4 Maintain training records according to WHS requirements and organisational policies and procedures

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Description
Reading	Analyses a wide range of WHS-related technical and non-technical information and data to determine actions, and adheres to requirements associated with plant maintenance and use
Writing	Uses appropriate formats, vocabulary and grammatical structures to record, report and present information associated with plant
Oral Communication	Explains information clearly and involves others in collaborative

Skill	Description
Communication	discussions using listening and questioning techniques
Numeracy	• Collates, interprets and compares mathematical and statistical information
Navigate the world of work	• Follows WHS policies, procedures and legislative requirements, and identifies organisational implications of new WHS laws • Modifies or develops systems of work to comply with legislative and organisational requirements
Interact with others	• Establishes and uses appropriate conventions and protocols when communicating with others regarding management of WHS hazards associated with plant
Get the work done	• Develops and applies organisational processes to aid compliance with WHS legislative requirements • Sequences and schedules own activities, monitors implementation, records progress and manages relevant communication • Systematically gathers and analyses information and evaluates options in order to make informed decisions • Evaluates effectiveness of systems and processes to inform decisions on how to implement risk control improvements • Fully utilises features of digital tools to complete tasks

Unit Mapping Information

No equivalent unit.

Supersedes and is equivalent to BSBWHS508 Manage WHS hazards associated with plant.

Links

Companion Volume Implementation Guides are available from VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=11ef6853-ceed-4ba7-9d87-4da407e23c10>

Assessment Requirements for BSBWHS518 Manage WHS hazards associated with maintenance and use of plant

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, and to:

- develop and implement work health and safety (WHS) related risk controls for at least two different items of plant according to the hierarchy of control measures, WHS legislative requirements and organisational policies and procedures
- identify and manage licensing and training requirements associated with at least two different items of plant.

During the above, the candidate must:

- manage effective identification of hazards
- communicate, according to established protocols, to:
 - advise relevant personnel of their rights, obligations, and duties in relation to hazards and risk controls associated with plant
 - seek specialist advice as required.
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Knowledge Evidence

The candidate must demonstrate the knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit. This includes knowledge of:

- key features of WHS Acts, regulations, codes of practice and other instruments issued by WHS regulators relating to managing WHS hazards associated with plant, including role and duty of persons conducting a business or undertaking (PCBUs)
- organisational WHS policies, procedures, processes and systems relating to hazard management process, including:
 - identifying and accessing internal and external sources of WHS information and data
 - inspecting plant and its use
 - consulting with internal and external personnel

- recording and reporting identified WHS hazards
- recording and reporting risk assessment outcomes and risk controls
- developing risk controls and monitoring the effectiveness of their implementation
- documenting registration, licensing and certification requirements
- monitoring and reporting compliance with regulatory requirements for registration, licensing and certification
- basic principles of incident causation and injury processes relating to plant
- differences between a hazard and a risk
- factors that impact on risk
- hierarchy of control measures and its use in choosing between different risk controls
- strategies for identifying risk controls and monitoring their effectiveness, including:
 - workplace inspections
 - robotic and technological processes, and their potential risks and limitations
 - review of adequacy of plant operating procedures
- high-risk work licences required for specific plant
- methods for providing evidence of compliance with WHS laws
- plant-specific knowledge:
 - basic physics of fluids under pressure and pressure vessels, and behaviour of pressurised fluid when pressure is released
 - hazards associated with plant
 - systems of work associated with plant
 - industry practices related to permit to work, and isolation and tag-out systems
 - registration requirements of plant, licensing and certification competencies
- risk controls relating to operation of plant, including:
 - strategies for guarding moving parts in machinery
 - access and egress
 - dangerous parts
 - emergency stops and warning devices
- WHS-related training requirements for plant operators relating to:
 - items of new plant
 - new or changed systems of work associated with plant.
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Assessment Conditions

Assessment must comply with WHS laws, legal responsibilities and duty of care required for this unit. It must be conducted in a safe environment where evidence gathered demonstrates consistent performance of typical activities undertaken by individuals carrying out WHS duties in the workplace, and must include access to:

- WHS laws, and organisational policies and procedures required to demonstrate the performance evidence
- sources of information, data and advice in relation to plant hazards

- workplace equipment and resources, including manufacturer manuals, specifications, and operational information and data
- case studies and, where possible, real situations
- opportunities for interaction with others.

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

Links

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