



Australian Government

Assessment Requirements for BSBWHS616

Apply safe design principles to control WHS risks

Release: 1

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Modification History

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

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:

- apply safe design principles to control work health and safety (WHS) risks that may occur throughout the life cycle of at least two different products.

During the above, the candidate must:

- provide advice based on WHS legislative requirements and safe design principles in relation to:
 - developing a systematic WHS risk-management approach to safe design
 - consultation processes relating to safe design in a product's life cycle
 - procurement systems to minimise 'purchased' WHS hazards and their associated risks.
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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:

- commonwealth and state/territory WHS laws, publications and guidelines relating to consultation, participation and safe design, including:
 - Safe Work Australia codes of practice and guidance information that relate to safe design
 - requirements for managing WHS risks and implementing controls at each life-cycle stage of a product
 - requirements relating to consultation processes
 - legislative duties of persons conducting a business or undertaking (PCBUs) or officers who are designers or are responsible for safe design processes
 - factors involved in selecting WHS risk controls for product design, including:
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- ensuring that level and reliability of risk control is commensurate with likelihood and impact of risk
- impact on safety of alterations to product during its life
- minimising impact of possible failure or defect by ensuring controls include fail-safe action
- WHS principles, materials, technology and systems that apply to product design
- internal and external sources of WHS information and data, and procedures for accessing them
- human cognitive and perceptual capabilities and other basic factors relevant to the safe design of products in the performance evidence
- factors affecting safe design, including work-related psychosocial factors, occupational violence, shift work, repetitive work, awkward postures, lighting, thermal environment and work layout
- principles of anthropometry and biomechanics as they relate to safe design principles to control WHS risks
- communication and consultation processes, and key personnel related to communication
- hierarchy of control measures and criteria for choosing between different WHS risk controls
- key personnel, including change agents, within workplace management structure
- legal liability in relation to providing advice
- organisational behaviour and culture as they impact on WHS, and on change
- WHS risk management and the principles and practices of a systematic approach to WHS management.
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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:

- reports from other parties consulted about WHS risk in a product's life cycle
- legislation, standards, guidelines, research and industry data required to demonstrate the performance evidence
- 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

Companion Volume Implementation Guides are available from VETNet -

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