



Australian Government

RIISAM203D Use hand and power tools

Release: 3

RIISAM203D Use hand and power tools

Modification History

Release	Comment
1	This unit replaces RIISAM203B Use hand and power tools
2	Corrected wording in Element 1.
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to use hand and power tools in the Resources and Infrastructure Industry.

This unit is appropriate for those working in operational roles.

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

Elements and Performance Criteria

1. Plan and prepare to use hand and power tools	1.1 Access, interpret and apply hand and power tools documentation to ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activity 1.5 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Select and use hand tools	2.1 Select hand tools appropriate for the work activity 2.2 Check tools for serviceability and safety, and report faults 2.3 Clamp or fix materials in position 2.4 Use hand tools safely and effectively according to their

	intended use
	2.5 Locate hand tools safely when not in immediate use
3. Select and use power tools	3.1 Select power tools and equipment appropriate for the work activity 3.2 Inspect tools for serviceability and safety, and report faults 3.3 Visually check power leads/hoses for serviceability/safety and report faults 3.4 Clear route for safe placement and connection of leads/hoses 3.5 Clamp or fix material in position for power tool application where applicable 3.6 Use power tools safely and effectively in application processes 3.7 Locate power tools safely when not in immediate use
4. Conduct housekeeping activities	4.1 Clear work area and dispose of or recycle materials 4.2 Clean and maintain condition of equipment, ensure suitability for use, and address/report issues 4.3 Process written records and reports

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIISAM203B Use hand and power tools

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIISAM203D Use hand and power tools

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant legislation documentation, policies and procedures
- demonstrates completion of using hand and power tools that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - selecting and checking for serviceability of hand tools
 - selecting and checking for serviceability of power tools
 - clamping or fixing material
 - ensuring leads and cords are safely placed
 - using hand and power tools appropriately for the task/activity
 - locating hand and power tools appropriately when not in use
 - clearing work area
 - cleaning and maintaining equipment

Knowledge Evidence

The candidate must demonstrate knowledge in using hand and power tools through:

- identifying hand tools and their application
- identifying portable power tools and their application
- identifying energy/power sources

- identifying and applying materials associated with use
- identifying equipment types, characteristics, technical capabilities and limitations
- interpreting safety data sheets (SDS) and materials handling methods
- interpreting and applying Industry and worksite terminology

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil	3-6	5 Years

Construction		
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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