



Australian Government

Department of Education, Employment and Workplace Relations

SISOPWC201A Select and maintain a personal water craft

Release: 2

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Modification History

Not Applicable

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to select and maintain a personal water craft. Other related competencies such as riding a personal water craft and trip planning are defined elsewhere.

Application of the Unit

This unit applies to those working in roles that may require selection and or maintenance of a personal water craft. This may include those working as lifeguards or search and rescue crew, under supervision.

This unit may also apply to outdoor recreation leaders working for outdoor education or adventure providers; volunteer groups; not-for-profit organisations or government agencies.

Licensing/Regulatory Information

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

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the Evidence Guide.
1. Select a personal water craft.	1.1. Identify <i>sources</i> where information about personal water craft selection can be gained. 1.2. Identify <i>personal water craft options</i> and justify <i>reasons for selecting</i> one personal water craft over another. 1.3. Select a personal water craft, ensuring that it meets the <i>needs, size and proportions</i> of the rider. 1.4. Select an appropriate personal water craft dealer.
2. Set up a personal water craft.	2.1. Select and use relevant manual or manufacturer's specifications. 2.2. Adjust handlebar angle to improve <i>rider efficiency and comfort</i>. 2.3. Identify the <i>controls</i> and main features of the craft. 2.4. Check other <i>personal water craft parts</i> to ensure functioning and safety, based on manufacturer's recommendations and <i>organisational policies and procedures</i>. 2.5. Ensure personal water craft condition meets safety and registration requirements.
3. Conduct routine maintenance on a personal water craft.	3.1. Identify scheduled <i>servicing</i> and <i>regular maintenance</i> tasks. 3.2. Identify repair <i>tools and spare parts</i> and carry these in an in-field repair kit when riding personal water craft. 3.3. Identify personal water craft parts requiring lubrication, and lubricate as required. 3.4. Conduct regular maintenance tasks as specified by the manufacturer. 3.5. Correct detected faults or refer to specialist repairers, as required. 3.6. Clean personal water craft to prevent corrosion damage.

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- communication skills to discuss and ask questions about personal water craft parts, tools and spare parts with instructor
- problem-solving skills to:
 - decide on tools to use to repair parts of the personal water craft
 - check, prevent and repair common faults and deficiencies
- planning and organising skills to ensure all equipment is in good working order.

Required knowledge

- organisational policies and procedures to enable safe conduct of maintenance tasks
- maintenance tools and kits commonly used to repair and maintain a personal water craft
- maintenance and repair of personal water craft equipment to ensure prolonged life span and safety requirements
- features of a personal water craft and associated equipment that provides comfort to the rider
- personal water craft setup and construction features that affect performance
- adjustment of controls for maximum efficiency and rider comfort
- emergency procedures and potential hazards relevant to the location to ensure risk minimisation to self and others.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence of the following is essential:

- identifies personal water craft features, parts and tools
- refers to sources on personal water craft selection to select a craft that meets the needs, size and proportions of the rider
- conducts routine checks and repairs on the personal water craft to ensure it is suitably proportioned and in good working order
- applies knowledge of personal water craft functioning and safety to select and use tools to repair common personal water craft deficiencies, such as steerage propeller problems, or refers craft to specialist repairer.

Context of and specific resources for assessment

Assessment must ensure conduct of multiple routine maintenance checks and repairs to demonstrate competency and consistency of performance.

Assessment must also ensure access to:

- resources and information on personal water craft selection
- personal water craft in a suitable outdoor environment that allows repairs and maintenance to take place
- personal water craft repair and maintenance products and equipment.

Method of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- oral and or written questioning to assess knowledge of personal water craft parts and their function
- observation of conducting pre- routine safety checks and repairs on personal water craft parts
- third-party reports from a supervisor detailing performance.

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended,

for example:

- SISOPWC202A Demonstrate simple personal water craft skills in controlled conditions.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Sources may include:

- internet
- shops
- manufacturer's service manuals.

Personal water craft options may include:

- pole skis
- two, three and four seater personal water craft.

Reasons for selecting may include:

- dominant use
- cost
- maintenance.

Needs, size and proportions may include:

- type of personal water craft
- water conditions personal water craft is to be ridden in
- engine capacity
- height or weight of rider.

Rider efficiency and comfort may include:

- selection of handgrips
- selection of riding apparel
- handlebar position.

Controls may include:

- reverse lever
- throttle.

Personal water craft parts may include:

- cables
- levers
- bearings and nipples
- engine
- suspension and steering or reverse linkages.

Servicing may include:

- fuel system
- steering system
- propulsion system.

Regular maintenance may include:

- oil levels and mix
- oil filters
- fuel lines, fillers and tanks
- hoses
- regular running and flushing of motor including manual starting
- steerage propeller and shaft condition

Tools and spare parts may include:

- electrical wiring
- Dead Man's switch
- detection of changes in performance and noise
- cleaning
- spark plugs
- craft registration equipment.
- tool kit as supplied by manufacturer
- spanner set and or shifter
- tow rope
- waterproof torch
- spark plugs.

Unit Sector(s)

Outdoor Recreation

Competency Field

Personal Water Craft