



Australian Government

Assessment Requirements for AHCPER422

Identify and analyse bioregional characteristics and resources

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 9.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has identified and analysed information on a bioregion and presented information in a report and has:

- identified sources of information on bioregional characteristics and resources
- organised investigative team to extract information on bioregional characteristics and resources
- compiled and checked information against stakeholder requirements
- planned and prepared a report on bioregional characteristics
- prepared and delivered a presentation of report according to stakeholder requirements.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- bioregional characteristics and resources, including:
 - a bioregion as a land and water territory whose limits are defined not by political boundaries, but by the geographical limits of human communities and ecological systems
 - a town or a segment of a city as typical as the main node of a bioregion, as was the pattern of most settlement and economic development until the 20th century
 - water catchment as one of the key identifiers of the bioregion, with the water catchment, storage, use/treatment of effluent and the water quality of rivers and creeks
 - Ecological Vegetation Class (EVC) of the area or the population of endemic species, as well as the suitability of any other species to grow or breed in the area
 - history, social make-up, land use and population information that go towards understanding an area

- bioregional resources, including the human and social capital or culture of an area, its capacity to produce its own needs and supply surplus to others and its resilience in responding to change or catastrophe
- the natural (biophysical), built, social and cultural elements of the area, including water supply and catchment management systems, transport systems, local exchange trading systems (LETS) and cooperatives, food supply systems, fuel and fibre supply systems
- data held by local councils, community groups, historical societies, individuals and organisations that adds value to a study of the bioregion
- bioregional issues, including:
 - transition initiatives
 - local food and water security
 - bioregional self-reliance regarding other components of daily life from local sources as opposed to importing basic needs from long distances at a high cost to the environment
- embodied energy, including:
 - how to measure energy inputs for consumable items
 - compared with energy output over the life of the item
 - waste disposal of an item as part of its energy ‘cost’
- types of information sources
- methods and means of accessing data and extracting relevant information
- report writing, including planning, structure and format
- presenting reports and information to stakeholders, including:
 - types of media
 - methods of presenting
 - formatting information
- methods of reviewing, validating and checking reliability of information.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated for a specified bioregion or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment to conduct research
 - sources of information on bioregion
- specifications:
 - workplace policies, procedures, processes
 - stakeholder brief and specification
- relationships:
 - stakeholder(s)

- team member.

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>