



**Australian Government**

# **Assessment Requirements for AHCHYD304 Install hydroponic systems**

**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 Release 11.0. |

## 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 installed hydroponic systems on at least one occasion, and has:

- interpreted site plans, design drawings and specifications
- installed a hydroponic system according to design specifications, instructions and directions
- applied relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures
- prepared materials, tools and equipment for installation
- prepared a site for installation of a hydroponic system
- installed components and structures associated with a hydroponic system
- tested and calibrated a hydroponic system
- completed checklist of test results
- cleaned, stored and maintained associated installation equipment and materials.

## Knowledge Evidence

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

- workplace requirements applicable to health and safety in the workplace for installing hydroponic systems
- environment and biosecurity legislation and regulations and workplace practices relevant to installing hydroponic systems
- principles and practices of hydroponic system installation, including:
  - environmental implications of the drainage of high nutrient effluents
  - head pressure and flow rates
  - legislation regarding the installation of hydroponic systems

- plant growing media choices and their properties
- recirculated and non-recirculated systems.

## Assessment Conditions

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

- physical conditions:
  - a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - work instructions and workplace procedures applicable to installing hydroponic systems
  - testing tools and equipment, and materials, tools and equipment applicable to installing hydroponic systems
  - PPE applicable to installing hydroponic systems
- specifications:
  - workplace requirements applicable to health and safety in the workplace for installing hydroponic systems
  - environment and biosecurity legislation and regulations and workplace practices applicable to installing hydroponic systems
  - site plans, design drawings and specifications applicable to installing hydroponic systems
- time frames:
  - according to job requirements.

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>