



Australian Government

AHCHYD302 Install hydroponic systems

Release: 1

AHCHYD302 Install hydroponic systems

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to install recirculating or non-recirculating hydroponic systems.

It applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

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

Pre-requisite Unit

Nil.

Unit Sector

Hydroponics (HYD)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for installation	1.1 Interpret and clarify site plans and design specifications 1.2 Locate underground services according to site plans 1.3 Identify any potential site problems 1.4 Identify environmental implications of installing the system 1.5 Clear the site for installation 1.6 Determine and arrange equipment and materials according to design and layout plans
2. Install a hydroponic	2.1 Prepare site for and install drainage channels and water collection,

Element	Performance criteria
system	and storage facilities according to design specifications 2.2 Assemble system infrastructure according to design specifications 2.3 Install system components according to design and layout plans and manufacturers specifications 2.4 Communicate problems associated with installation to the client or manager
3. Test and calibrate the system	3.1 Check infrastructure and systems are in working order and meet specifications 3.2 Calibrate hydroponic equipment 3.3 Install growing media 3.4 Test the system 3.5 Complete check list of all testing results
4. Complete installation operations	4.1 Clean and store all tools and equipment 4.2 Tidy site and remove and dispose of waste

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCHYD302A Install hydroponic systems.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCHYD302 Install hydroponic systems

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- commission a hydroponic system according to instructions and directions
- prepare a site for installation of a hydroponics system
- prepare materials and equipment for installation
- install components and structures associated with a hydroponic system
- test and calibrate a hydroponic system
- store and maintain associated installation equipment and materials

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of hydroponic system installation
- 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

Assessors must satisfy current standards for RTOs.

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