



Australian Government

Assessment Requirements for CUAACD520 Manage kiln operations

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with CUA Creative Arts and Culture Training Package Version 5.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- manage kiln operations for the production of at least three fired craft pieces.

In the course of the above, the candidate must:

- determine kiln type required for own work
- implement required safety practices for kiln loading and operation
- solve technical problems arising from the firing process
- prepare own firing schedules
- establish and maintain a firing log
- collaborate with others on technical and creative challenges associated with the firing process
- pack and fire kilns independently.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- safety issues associated with kiln work that include:
 - correct lifting techniques
 - kiln emissions
 - safe use of equipment
 - correct management of specific hazards associated with:
 - extreme heat
 - fuels
 - use of personal protective equipment (PPE) to protect against dust and fibres
- historical and contemporary trends in kiln types, kiln construction and kiln operation

- properties and capabilities of the range of firing materials, tools and equipment, including pyrometric instruments
- properties and specification of different kiln types
- specific firing processes, including required firing stages, changes to materials, temperature range and timing of each stage of the process
- processes and materials required for the construction of kilns
- typical problems that occur with kilns and with the firing process, and how to avoid or resolve them in the context of relevant materials and art forms
- workplace health and safety requirements for the set-up, operation and maintenance of kilns.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- sources of information for:
 - safety requirements
 - historical and contemporary kilns
 - kiln types, specifications and operation
- unfired ceramic production pieces
- a workplace or studio for the firing of craft work.

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

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5>