



Australian Government

CPCCSG3010 Hand render pictorials

Release: 1

CPCCSG3010 Hand render pictorials

Modification History

Release 1.

This version first released with CPC Construction, Plumbing and Services Training Package Version 2.

Revised unit of competency. Replaces superseded equivalent CPCCSI3010A Hand render pictorials.

Application

This unit of competency specifies the outcomes required to produce and lay out hand-rendered pictorial images that form signs on a range of surfaces.

The unit supports sign manufacturers who work on site, painting the required sign directly on to a surface, using a range of paints, brushes and application techniques.

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

Pre-requisite Unit

Nil

Competency Field

Signs and graphics

Unit Sector

Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.

1	Plan and prepare work.	1.1	<i>Job requirements</i> are identified from drawings and instructions, confirmed, and applied to planning and preparation.
		1.2	Material quantities are estimated according to size of sign

- and materials to be used.
- 1.3 **Health and safety requirements** are identified according to specified tasks and workplace operations, and are applied to planning.
 - 1.4 Substrate is identified and prepared according to planned material application.
 - 1.5 **Tools, equipment** and materials are selected to carry out tasks according to job requirements and relevant Australian standards.
 - 1.6 Layout is set out to scale.
 - 1.7 Colour selection is determined consistent with job requirements and colours are recorded for future use.
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- 2 Produce illustration.
 - 2.1 Drawing instruments, media and background materials are selected and prepared according to job requirements.
 - 2.2 Illustration is reproduced from design or drawing applying accurate proportion and perspective.
 - 2.3 Light and shade effects are applied to illustration creating visual realism using techniques suitable to the selected medium.
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- 3 Paint illustration.
 - 3.1 Painting techniques are applied to illustration according to job requirements.
 - 3.2 Accurate visual texture, light and shade are applied to the illustration.
 - 3.3 Colours are applied, achieving correct tones and tonal order.
 - 3.4 Lettering and illustration are applied to pictorial sign accurately and cleanly.
 - 3.5 Completed illustration is checked for accuracy and completeness and any defects are rectified according to job requirements.

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| 4 | Clean up and finish sign. | 4.1 | Sign and surrounding surface environment are cleaned and waste materials removed according to statutory and regulatory authority requirements. |
| | | 4.2 | Tools and equipment, including personal protective equipment (PPE), are cleaned, maintained and stored according to workplace requirements. |

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.

Skill	Performance feature
Learning skills to:	transfer key principles and techniques of hand rendering pictorials to new sign designs.
Numeracy skills to:	- measure and calculate material quantities required to hand render pictorials - calculate and apply scale to enlargements of sign designs.
Oral communication skills to:	communicate clearly with client and others using verbal and non-verbal communication.
Reading skills to:	interpret a range of familiar workplace documentation, including drawings, specifications and written instructions from clients and others.
Writing skills to:	accurately reproduce letters from a design template.

Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are

included. Bold italicised wording, if used in the performance criteria, is detailed below.

Job requirements
must include:

- purpose of sign
- quality requirements
- size and style of sign.

Health and safety requirements must include:

- selection, correct fitting, and use of PPE prescribed under legislation, regulations and workplace policies and practices
- emergency procedures, including:
 - evacuation
 - first aid
 - location and use of firefighting equipment
- hazard identification and risk control procedures
- safe operating procedures, including the conduct of operational risk assessment and treatments associated with:
 - lighting
 - use of machines
 - use of tools and equipment
- workplace environmental requirements.

Tools and equipment must include at least two of the following:

- artist brushes
- easel
- sketch pad.

Unit Mapping Information

CPCCSI3010A Hand render pictorials

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCSG3010 Hand render pictorials

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Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit, and must produce two hand-rendered pictorials as follows:

- one must be a portrait of a person, using at least seven different colours, showing facial texture, lines, contouring, light and shade with lettering underneath
- one must be a company logo with lettering, using at least four different colours and showing blended and shaded lettering techniques.

One of the above hand-rendered pictorials must be produced on a masonry wall measuring at least 1.5 square metres.

One of the above hand-rendered pictorials must be produced on one of the following:

- canvas
- glass
- metal
- paper
- timber.

For each hand-rendered pictorial, the person must demonstrate use of at least two different painting techniques selected from:

- posterisation
- scumbling
- stippling
- wet blend.

In doing the above work, the person must:

- interpret design specifications, including dimensions, symbols, abbreviations and key features of signs

- identify and correctly apply designed material to prepared substrate
- identify and record colours used
- apply techniques to produce colour fully to boundary limits
- reproduce pictorial to size requirements
- check the final work for accuracy and completeness, and identify and rectify any defects.

Knowledge Evidence

A person demonstrating competency in this unit must demonstrate knowledge of:

- application of the following typography elements in sign-writing and hand rendering pictorials, including:
 - font types
 - principles of layout
 - size and spacing
- Australian standards relevant to the use of paint:
 - AS 2311 Guide to the painting of buildings
 - AS 2700 Colour standards for general purposes
- paint application techniques relating to hand rendering pictorials
- theory and processes used in colour selection for sign-writing
- methods for identifying dimensions, symbols, abbreviations and key features of signs from pictorial designs and drawings
- compatibility of surfaces with paints, solvents and mediums
- purpose and application of the following when working with paint and other chemicals used to produce hand-rendered pictorials:
 - safety data sheets (SDS)
 - safe work method statements (SWMS)
- processes and techniques to measure and set out relevant to layout of signs
- statutory and regulatory authority requirements, particularly those relating to:
 - removal of waste products
 - storage of chemicals and materials
- terminology and use of abbreviations in the signs and graphics industry.

Assessment Conditions

Suitable assessment of performance requires:

- equipment:
 - artist brushes
 - easel
 - mediums
 - sketch pad
- specifications:

- AS 2311 Guide to the painting of buildings
- AS 2700 Colour standards for general purposes
- materials:
 - charcoal
 - oil and acrylic paints
 - pencils
- timeframe:
 - according to job requirements.

Assessor requirements

As a minimum, assessors must satisfy the assessor requirements in the Standards for Registered Training Organisations (RTOs) current at the time of assessment.

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