



Australian Government

Department of Education, Employment and Workplace Relations

CPCCSI3007A Apply lines and scrolls

Release: 1

CPCCSI3007A Apply lines and scrolls

Modification History

Not Applicable

Unit Descriptor

Unit descriptor This unit of competency specifies the outcomes required to set out and apply materials to produce various forms of line and scroll work on specified surfaces.

Application of the Unit

Application of the unit This unit of competency supports the achievement of skills and knowledge to apply painted or stencilled lines and scrolls on prepared surfaces, and includes working with others and as a member of a team.

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units

CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry
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Employability Skills Information

Employability skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare work.	<p>1.1. Quality assurance requirements of signage operations are recognised and adhered to.</p> <p>1.2. Safety (OHS) requirements in accordance with application tasks and workplace operations are recognised and adhered to.</p> <p>1.3. Job requirements are identified from drawings, specifications, instructions and client briefs.</p> <p>1.4. Specifications, drawings and instructions are interpreted, and job requirements and sequence are determined.</p> <p>1.5. Shape and form of lines and scrolls are accurately checked from copy.</p> <p>1.6. Line and scroll layout is set out using appropriate techniques.</p> <p>1.7. Colour selection is determined, consistent with job requirements or to relevant Australian standards for general purposes.</p> <p>1.8. Tools and equipment and materials are selected to carry out tasks consistent with job requirements.</p> <p>1.9. Substrates are identified and prepared in accordance with planned material application and line work or scroll work application.</p> <p>1.10. Material safety data sheets (MSDS) are referred to as required.</p>
2. Apply materials to layout.	<p>2.1. Materials are applied to surface using application consistent with job requirements and layout of lines and scroll work.</p> <p>2.2. Line work and scroll work are produced accurately to set out and specified colours.</p>
3. Clean up finished sign.	<p>3.1. Sign and surrounding surface environment/area are cleaned and waste materials removed in accordance with statutory and regulatory authority requirements.</p> <p>3.2. Tools and equipment, including personal protective equipment, are cleaned, maintained and stored.</p>

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

Required skills for this unit are:

- ability to apply lines and scrolls using correct applicators and materials
- ability to recognise procedures, respond to change and contribute to workplace responsibilities, such as current work site environmental and sustainability frameworks or management systems
- communication skills to:
 - determine requirements
 - enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand
 - follow instructions
 - read and interpret drawings, specifications and documentation from a variety of sources
 - report faults
 - use and interpret non-verbal communication
 - use language and concepts appropriate to cultural differences
- innovation skills to select appropriate tools and equipment, respond to workplace challenges and put ideas into action
- organisational skills, including the ability to plan and set out work
- problem solving skills to recognise, and take action to rectify, minor faults and problems
- select and record colours
- teamwork skills to be able to coordinate with others, action tasks and relate to people from a range of social, cultural, ethnic backgrounds and with varying physical and mental abilities
- transfer measurements from drawings to scroll work on surfaces.

Required knowledge

Required knowledge for this unit is:

- Australian standards:
 - AS1319 Safety signs for the occupational environment
 - AS2311 General workmanship - painting
- brushes used in line and scroll work
- colour selection techniques and principles
- design of line and scroll work
- job safety analysis (JSA) and safe work method statements
- materials relevant to drawings and specifications for scroll work on surfaces
- measurements and calculations related to material quantities

REQUIRED SKILLS AND KNOWLEDGE

- measuring and setting out relevant to layout of signs
- MSDS
- relevant Australian and New Zealand standards, and:
 - manufacturer specifications
 - OHS requirements
 - other applicable codes or standard operating procedures relevant to the sector
- statutory and regulatory authority requirements, particularly those relating to:
 - removal of waste products
 - storage of chemicals and materials
- symbols, dimensions and terminology relating to scroll work on surfaces
- techniques in producing line work
- techniques in producing scroll work
- terminology and definitions used in signage
- types and uses of drawings and layouts used for line and scroll work on surfaces.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

This unit of competency could be assessed in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques fully replicate construction workplace conditions, materials, activities, responsibilities and procedures.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

A person who demonstrates competency in this unit must be able to provide evidence of:

- accurately interpreting designs, drawings and job specifications for application of line and scroll work to a range of surfaces, including:
 - flat surfaces
 - curved surfaces.

Context of and specific resources for assessment

This competency is to be assessed using standard and authorised work practices, safety requirements and environmental constraints.

Assessment of essential underpinning knowledge will usually be conducted in an off-site context.

Assessment is to comply with relevant regulatory or Australian standards' requirements.

Resource implications for assessment include:

- an induction procedure and requirement
- realistic tasks or simulated tasks covering the mandatory task requirements
- relevant specifications and work instructions
- tools and equipment appropriate to apply lines and scrolls
- support materials appropriate to activity
- workplace instructions relating to applying lines and scrolls
- material safety data sheets
- research resources, including industry-related systems information.

Reasonable adjustments for people with

EVIDENCE GUIDE

disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.

Method of assessment

Assessment methods must:

- satisfy the endorsed Assessment Guidelines of the Construction, Plumbing and Services Training Package
- include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application
- reinforce the integration of employability skills with workplace tasks and job roles
- confirm that competency is verified and able to be transferred to other circumstances and environments.

Validity and sufficiency of evidence requires that:

- competency will need to be demonstrated over a period of time reflecting the scope of the role and the practical requirements of the workplace
- where the assessment is part of a structured learning experience the evidence collected must relate to a number of performances assessed at different points in time and separated by further learning and practice, with a decision on competency only taken at the point when the assessor has complete confidence in the person's demonstrated ability and applied knowledge
- all assessment that is part of a structured learning experience must include a combination of direct, indirect and supplementary evidence.

Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.

Supplementary evidence of competency may be

EVIDENCE GUIDE

obtained from relevant authenticated documentation from third parties, such as existing supervisors, team leaders or specialist training staff.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

- | | |
|---|---|
| <p>1.1. <i>Quality assurance requirements</i> include:</p> | <ul style="list-style-type: none"> • attention to work specifications • Australian and international standards relevant to the sign industry • control of handling procedures • internal company quality assurance policy and risk management strategies • procedures for installing and finishing • quality of materials • use and maintenance of equipment • workplace operations and procedures. |
| <p>1.2. <i>Safety (OHS)</i> is to be in accordance with state and territory legislation and regulations and project safety plan and may include:</p> | <ul style="list-style-type: none"> • emergency procedures, including extinguishing fires, organisational first aid requirements and evacuation • hazard control • hazardous materials and substances • organisational first aid • PPE prescribed under legislation, regulations and workplace policies and practices • safe operating procedures, including the conduct of operational risk assessment and treatments associated with: <ul style="list-style-type: none"> • concealed services (water, power and gas) • lighting • restricted access barriers |

RANGE STATEMENT

- traffic control
 - work site visitors and the public
 - working at heights
 - working in confined spaces
 - working in proximity to others
 - use of firefighting equipment
 - use of tools and equipment
 - workplace environmental requirements and safety.
- 1.3. ***Job requirements*** include:
- assessment of conditions and hazards
 - determination of work requirements
 - equipment defect identification
 - safety plans and policies
 - work site inspection.
- 1.4. ***Relevant Australian standards*** include:
- AS2700 Colour range - painting
 - AS1319 Safety signs for the occupational environment
 - AS2311 General workmanship - painting
 - regulatory requirements
 - standard drawings and details
 - urban design manuals.
- 1.5. ***Tools and equipment*** include:
- artist brushes
 - dagger liners
 - drafting equipment
 - guides
 - ladders
 - lining fitches
 - measuring tapes and rules
 - planks
 - pots
 - quill liners
 - rollers
 - scaffolding
 - spray equipment
 - stirrers
 - straight edges
 - templates.
- 1.6. ***Application*** includes:
- brush with lining or template guide
 - freehand brush application
 - spray, roller and brush application to substrate.

RANGE STATEMENT

- 1.7. **Materials** include:
- acrylic paint
 - enamel paint
 - water-based paints.
- 1.8. **Line work and scroll work** include:
- arrowed
 - bull nosed
 - curled
 - square end
 - tapered.
- 1.9. **Statutory and regulatory authority requirements** include:
- federal, state and local authorities administering applicable Acts, regulations and codes of practice and also can pertain to:
 - removal of waste products
 - storage of chemicals.

Unit Sector(s)

Unit sector Construction

Co-requisite units

Co-requisite units Nil

Functional area

Functional area