



Australian Government

Assessment Requirements for CPCCSG3005 Engrave signs

Release: 1

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Modification History

Release 1.

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

Revised unit of competency. Replaces superseded non-equivalent CPCCSI3005A Use engraving systems.

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 engrave three signs each containing four lines of text, with a border and a centred graphic or logo as follows.

- at least one sign must be engraved on one of the following metal surfaces:
 - aluminium
 - brass
 - stainless steel
- at least one sign must be engraved on one of the following non-metal surfaces:
 - acrylic
 - engraving laminate.

In doing the above work, the person must:

- select and prepare cutter tools and equipment for the task
- set up engraving software with accurate parameters for the task, including speed, depth and number of passes appropriate to the task
- engrave and finish the sign to client requirements using cleaning and polishing materials.

Knowledge Evidence

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

- application of the following typography elements in sign-writing and engraving, including:
 - font types
 - principles of layout
 - size and spacing
- engraving processes and their use of:
 - cutter types
 - engraving depths

- engraving materials and their uses
- engraving software
- guillotine systems
- types, uses and limitations of engraving systems
- manufacturer specifications for the safe use and maintenance of engravers and cutters
- processes to check and ensure correct grammar, spelling and punctuation and their application in engraving signs
- safe operating procedures for the use of high speed cutting tools and equipment used in engraving
- safety data sheets (SDS) relevant to the use of engraving tools.

Assessment Conditions

Suitable assessment of performance requires:

- equipment:
 - cutting tools
 - engraving system
 - industry-recognised engraving software
 - laser engravers
 - personal protective equipment, including:
 - chemical proof gloves
 - dustcoats
 - glasses
 - hearing protection
 - rotary engravers
- materials:
 - acrylic
 - aluminium
 - brass
 - cleaning chemicals, including thinners and methylated spirits
 - cutting lubricants
 - engraving laminate
 - glass
 - paints to fill engraved letters or graphics
 - stainless steel
- contingencies:
 - faults in hardware and software
 - need to change cutter tools to rectify faults or resharpen
- specifications:
 - client requirements

- SDS
- physical conditions:
 - workshop with workspace and lighting suitable for using engraving systems and producing engraved signs
- 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.

Links

Companion Volume implementation guides are found in VETNet -

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