



Australian Government

MSFGG3022 Construct and repair leadlight panels

Release: 1

MSFGG3022 Construct and repair leadlight panels

Modification History

Release 1. Supersedes and is equivalent to MSFGG3014 Construct and repair leadlight panels.

Application

This unit describes the skills and knowledge required to construct and repair leadlight panels and may involve restoration and conservation of historically important lead lighting works. It includes measuring, design and selection of materials and tools, and disassembly and assembly, weatherproofing and polishing of leadlight panels.

This unit applies to individuals working with designed glass.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

N/A

Unit Sector

Glass and glazing

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify work requirements	1.1 Establish safety, quality and functional performance requirements of the panel 1.2 Recognise and respond to the need for research on the historical importance of the panel 1.3 Inspect leadlight panel to be repaired to identify faults and compare any faults found with customer requirements and any previously identified faults
2. Plan leadlight panel construction/repair	2.1 Analyse plan or design of leadlight panel to identify work requirements, methods and specifications 2.2 Identify and follow work health and safety requirements 2.3 Plan steps or stages in construction and/or repair, noting check

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	points for required measurements and tests 2.4 Obtain approval of work construction plan in accordance with workplace procedures
3. Identify suitable materials and equipment	3.1 Select and check tools and equipment for suitability, serviceability and safety prior to use 3.2 Select leadlight construction materials according to specification, matching the original texture, colour, thickness and opacity of the stained glass
4. Construct/repair the leadlight panel	4.1 Follow plan to construct and/or repair the leadlight panel 4.2 Conduct checks at the identified points 4.3 Identify and recommend modifications within workplace procedures 4.4 Document modifications to the plan and seek appropriate approvals in accordance with workplace procedures
5. Complete work	5.1 Inspect leadlight panel for quality of work and repair or reconstruct in accordance with workplace procedures 5.2 Clean and store tools, equipment and materials in accordance with workplace procedures 5.3 Clean work area and leave in a safe condition, and dispose or recycle waste in accordance with workplace protocols 5.4 Accurately complete required workplace documentation

Foundation Skills

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

Unit Mapping Information

Supersedes and is equivalent to MSFGG3014 Construct and repair leadlight panels.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFGG3022 Construct and repair leadlight panels

Modification History

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- constructed and/or repaired 3 different leadlight panels.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- end use of leadlight panels and required safety, quality and structural standards
- characteristics, including hazards and workplace safety system requirements, associated with the materials used in leadlight panel construction
- operation of tools and equipment used in constructing and/or repairing leadlight panels
- research techniques to establish the historical importance of lead lighting works
- processes and procedures involved in the construction and/or repair process of leadlight panels, including historically important works
- impact of design features of the leadlight panel on purpose, materials and construction
- relevant Australian Standards.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - leadlight panels for repair or plans for new panels
 - glass handling equipment and hand tools
 - safety and personal protective equipment
 - work orders.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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