



Australian Government

MSFSL5001 Assess conservation requirements

Release: 1

MSFSL5001 Assess conservation requirements

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers assessing leadlight and stained glass panels in order to identify and document their conservation requirements.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking glass and glazing work. Access to construction sites requires certification of general induction training specified by the *National Code of Practice for Induction for Construction Work (ASCC 2007)*.

Pre-requisite Unit

Competency Field

Unit Sector

Leadlight and Stained Glass

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 | Identify conservation assessment requirements | 1.1 | Applicable work health and safety (WHS), legislative and organisational requirements relevant to leadlight and stained glass operations are verified and complied with |
| | | 1.2 | Purpose of the assessment is established, confirmed and clarified with appropriate personnel |
| | | 1.3 | Assessment outcomes are identified and confirmed |
| 2 | Plan assessment processes | 2.1 | Location of the leadlight and stained glass panels to be assessed is identified and observed |
| | | 2.2 | Assessment sequence is identified and a work plan is developed |

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| | | 2.3 | Tools and equipment required for the assessment are identified |
| | | 2.4 | Approval of assessment plan is obtained as required by agreed procedures |
| 3 | Prepare for the assessment | 3.1 | Tools and equipment are assembled, positioned and checked prior to use to ensure they are appropriate for the assessment, serviceable and in a safe condition |
| | | 3.2 | Plans and other documents are assembled and positioned to allow for confirmation of the panel structure and placement |
| | | 3.3 | Photographs are taken of the panel for documentation of condition and for later reference |
| 4 | Assess the panel | 4.1 | Glass faults are identified and noted |
| | | 4.2 | Structural faults or problems are identified and noted |
| | | 4.3 | Environmental effects are identified and noted |
| | | 4.4 | Other problems are identified and noted |
| 5 | Finalise and report on the assessment | 5.1 | Tools and equipment are removed, cleaned and stored appropriately |
| | | 5.2 | Assessment area is cleaned and rubbish disposed of, as appropriate |
| | | 5.3 | Conservation requirements resulting from the assessment are determined and confirmed with appropriate personnel |
| | | 5.4 | Condition report is prepared and provided, as required |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

- Unit context includes:**
- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
 - work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
 - work requires individuals to demonstrate discretion and apply judgement and problem solving to complex issues
- Appropriate personnel include:**
- clients
 - architects
 - engineers
 - construction supervisors
 - members of heritage committees
 - government agencies
 - other specialist artisans, such as stonemasons, where appropriate
- Assessment outcomes include:**
- the requirement to conserve the leadlight or stained glass panels
 - the cost of conservation
 - recommendations on future tasks
- Tools and equipment include:**
- work benches
 - ladders and scaffolding
 - cameras
 - magnifying glasses
 - lights
 - general hand tools
- Plans and other documents include:**
- original architectural plans
 - original drawings, cartoons and cut lines for glass panel
 - historical documentation and photographs
 - charcoal rubbings
 - sketches
- Glass faults include:**
- cracking
 - crazing and missing sections
 - deterioration of glass paint
 - loose or flaking paint
 - corroding glass through water or chemical action
- Structural faults include:**
- oxidation and rusting supports

	• panel frame deterioration • buckled and bowing panels • cracked comes and defective putty • faulty frames or frame settings • broken tie wires and support bars
Environmental effects include:	• colour changes • surface etching • lead oxidation
Other problems include:	• building, wall and roof problems requiring specific remedial action, not directly related to the panel
Conservation includes:	• advice in the Australia International Council on Monuments and Sites (ICOMOS) Burra Charter as meaning all of the processes of looking after a place needed to retain cultural significance • preservation, restoration, reconstruction and adaptation dependent upon specific circumstances (or a combination of more than one of these) respecting and understanding the requirements of other specialist crafts and the role of other specialist artisans
Preservation includes:	• maintaining the leadlight and stained glass panel in its existing state and of retarding deterioration
Restoration includes:	• returning the leadlight and stained glass panel to a known earlier state by removing accretions or by re-assembling existing components without the introduction of new material
Reconstruction includes:	• returning the leadlight and stained glass panel to a known earlier state and is distinguished by the introduction of new materials
Condition report includes:	• detailing the extent of the problems • recommended solutions, including methodologies • photographic evidence of current condition and location • legislative requirements related to heritage leadlight and stained glass and their effect on the recommendations and probable costing
Personal protective equipment includes:	• that prescribed under legislation, regulation and enterprise policies and practices: • gauntlets • gloves • safety glasses • hard hats • safety footwear • aprons and overalls

Information and procedures include:

- workplace procedures relating to the use of tools and equipment and personal protective equipment
- work instructions, including job sheets, cutting lists, plans, drawings and designs
- workplace procedures relating to reporting and communication
- manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFSL5001B Assess conservation requirements.

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 MSFSL5001 Assess conservation requirements

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Identify and interpret heritage legislation as it applies to leadlight and stained glass panels
- Identify historical leadlight and stained glass panel construction methods
- Identify framing, structural and construction techniques relevant to leadlight and stained glass panels
- Identify the outcomes of various environmental effects on leadlight and stained glass panels
- Identify faults and problems with leadlight and stained glass panels, and their remedial methods
- Inspect a minimum of two (2) separate and differing leadlight and stained glass installations, assess the conservation requirements and draft a report of findings with recommendations
- Comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for the assessment of conservation requirements of leadlight and stained glass panels
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to the full range of processes for leadlight and stained glass operations

- Leadlight and stained glass panels construction and repair terminology and techniques
- The principles and guidelines of the Australia International Council on Monuments and Sites (ICOMOS) Burra Charter
- Organisational and site standards, requirements, policies and procedures for the assessment of leadlight and stained glass panels
- Types of glass and other materials, historically used in the leadlight and stained glass industry, their characteristics, properties, uses and limitations
- Environmental effects on leadlight and stained glass panels
- Heritage requirements specific to leadlight and stained glass
- Established communication channels and protocols
- Relevant problem identification and resolution in the heritage leadlight and stained glass environment
- Storage systems and labelling
- Procedures for the recording, reporting and maintenance of workplace records and information
- Appropriate mathematical procedures for estimation and measurement

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to materials, equipment and specifications relevant to the assessment of leadlight and stained glass panels to meet conservation requirements.

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