



Australian Government

Department of Education, Employment and Workplace Relations

LMFSL5001A Assess conservation requirements

Revision Number: 1

LMFSL5001A Assess conservation requirements

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit addresses the knowledge and skills required to assess lead light and stained glass panels in order to identify and document the conservation requirements of those panels.
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Application of the Unit

Application of the unit	This unit supports the attainment of skills and knowledge required for competent workplace performance in leadlight and stained glass operations. The requirement to assess conservation requirements applies to an on site environment and involves application of skills and knowledge at an artisan level. These skills and knowledge are to be used within the scope of the individual's job and authority.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units	Nil	

Employability Skills Information

Employability skills	This unit contains employability skills.
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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.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Identify assessment requirements	1.1. Applicable OHS, legislative and organisational requirements relevant to lead light 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 lead light and stained glass panels to be assessed is identified and observed 2.2. Assessment sequence is identified and a work plan is developed 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 that 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

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- collect, organise and understand materials technology and information related to heritage leadlight and stained glass
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- maintain quality records related to heritage leadlight and stained glass
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity
- identify, anticipate and respond to faults in heritage leadlight and stained glass
- recognise and respond to circumstances outside instructions or personal competence
- plan and organise activities including the preparation and layout of own worksite and the obtaining and use of tools and materials to avoid any backtracking, work flow interruptions or wastage
- use mathematical ideas and techniques to correctly complete measurements, calculate area and volume, estimate work and material requirements
- clarify and confirm work instructions
- plan own work within the given task parameters
- accept responsibility for given tasks
- set, monitor and satisfy personal work goals
- satisfy the competency requirements for the job
- maintain current knowledge of tools and materials
- maintain current knowledge of heritage leadlight and stained glass
- seek learning opportunities
- use the workplace technology related to the selection of heritage leadlight and stained glass components conservation, including computers, measuring devices and recording systems

Required knowledge

- State or Territory OHS legislation, regulations, standards and codes of practice relevant to the full range of processes for lead light and stained glass operations
- lead light and stained glass panels construction and repair terminology and techniques
- the principles of the Burra Charter, the Australia ICOMOS Charter for Places of Cultural Significance
- organisational and site standards, requirements, policies and procedures for the assessment of lead light and stained glass panels

REQUIRED SKILLS AND KNOWLEDGE

- types of glass and other materials, historically used in the lead light and stained glass industry, their characteristics, properties, uses and limitations
- environmental effects on lead light and stained glass panels
- heritage requirements specific to lead light and stained glass
- established communication channels and protocols
- problem identification and resolution
- storage systems and labelling
- procedures for the recording, reporting and maintenance of workplace records and information
- appropriate mathematical procedures for estimation and measurement

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.

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

- Read and interpret a work/job specification
- Identify and interpret heritage legislation as it applies to lead light and stained glass panels
- Identify historical lead light and stained glass panel construction methods
- Identify framing, structural and construction techniques relevant to lead light and stained glass panels
- Identify the outcomes of various environmental effects on lead light and stained glass panels
- Identify faults and problems with lead light and stained glass panels, and their remedial methods
- Inspect a minimum of two separate and differing lead light and stained glass installations and assess the conservation requirements
- Comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for the assessment of conservation requirements of lead light and stained glass panels
- Communicate effectively and work safely with others in the work area

Context of, and specific resources for assessment

- The application of competency is to be assessed in the workplace or realistically simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to comply with relevant regulatory and Australian Standards requirements
- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to the assessment of lead light and stained glass panels to meet conservation requirements
 - specifications and work instructions

EVIDENCE GUIDE**Method of assessment**

Assessment must satisfy the endorsed assessment guidelines of the Furnishing Industry Training Package

Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge

Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application

Assessment may be applied under project related conditions (real or simulated) and require evidence of process

Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances

Assessment may be in conjunction with assessment of other units of competency

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.

OHS requirements

- are to be in accordance with Commonwealth, State or Territory legislation and regulations, organisational safety policies and procedures. Requirements may include but not be limited to the use of personal protective equipment and clothing, fire fighting equipment, First Aid equipment, hazard and risk control and elimination of hazardous materials and substances, manual handling including lifting and carrying.

Legislative requirements

- are to be in accordance with applicable legislation from all levels of government that affect organisational operation. Requirements may include but not be limited to award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, OHS, the environment, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care and heritage.

Organisational requirements

- may include but not be limited to legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, OHS, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines)

Appropriate personnel

- may include but not be limited to clients, architects, engineers construction supervisors, members of heritage committees, government agencies and where appropriate other specialist artisans, such as stonemasons.

RANGE STATEMENT	
Assessment outcomes	may include but is not limited to the requirement to conserve the lead light or stained glass panels, the cost of conservation, recommendations on future tasks
Tools and equipment	may include work benches, ladders and scaffolding, cameras, magnifying glasses, lights and general hand tools
Plans and other documents	may include original architectural plans, historical photographs, charcoal rubbings and sketches
Glass faults	may include but are not limited to cracking, crazing and missing sections, deterioration of glass paint, loose or flaking paint and corroding glass through water or chemical action
Structural faults	may include but are not limited to 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	may include but is not limited to colour changes, surface etching, lead oxidation
Other problems	may include such aspects as building, wall and roof problems requiring specific remedial action, not directly related to the panel
Conservation requirements	- Conservation as defined in the Australia ICOMOS Burra Charter as meaning all of the processes of looking after a place needed to retain cultural significance. It includes maintenance and may include preservation, restoration, reconstruction and adaptation dependent upon specific circumstances. It commonly involves a combination of more than one of these. It also requires that the stained glass conservator respects and understands the requirements of other specialist crafts and the role of other specialist artisans. - Preservation is the process of maintaining the lead light and stained glass panel in its existing state and of retarding deterioration. - Restoration means returning the lead light and

RANGE STATEMENT	
	stained glass panel to a known earlier state by removing accretions or by reassembling existing components without the introduction of new material. Reconstruction means returning the lead light and stained glass panel to a known earlier state and is distinguished by the introduction of new materials.
Condition report	would be in a format required by the client and may include such aspects as the extent of the problems, recommended solutions including methodologies, legislative requirements related to heritage lead light and stained glass and their affects on the recommendations and probable costings.

Unit Sector(s)

Unit sector	Lead Light and Stained Glass
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Competency field

Competency field	
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Co-requisite units

Co-requisite units		