



Australian Government

MSFGG4024 Assess designed glass conservation requirements

Release: 1

MSFGG4024 Assess designed glass conservation requirements

Modification History

Release 1. New unit

Application

This unit describes the skills and knowledge required to assess conservation requirements for designed glass installations, including of lead light and stained, kiln-formed and laminated glass, by researching and applying recognised conservation principles and practices. It includes the ability to prepare comprehensive reports on assessment requirements, including estimates of the cost of recommended work.

This unit applies to experienced glass industry workers working with designed glass who interpret and use advanced technical information to develop solutions to potentially complex designed glass requirements. They commonly work independently and typically solve complex problems that require theoretical knowledge and experience about the specification, manufacture and installation of a wide range of designed glass installations.

At the time of this unit's release, the work described in this unit does not require licensing or certification, but state or territory authorities should be consulted to determine the current status. Workers on construction sites are required by law to complete induction training. They must also comply with relevant legislation, Australian Standards, codes and manufacturers' installation instructions.

Competency Field

Glass and glazing

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to assess conservation requirements	1.1 Identify from relevant personnel and job instructions the assessment's purpose and requirements 1.2 Inspect the location of the designed glass installation and identify security, access, storage and other relevant arrangements 1.3 Identify hazards relating to the location, work practices, materials, tools and equipment, and check risk treatments are in place and operating 1.4 Select and check all required tools and equipment are ready to use, and organise to fix any deficiencies according to workplace procedures

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.5 Identify suitable assessment procedures and techniques and obtain approval from relevant personnel to use them 1.6 Gather plans, historical documents and industry standards for the installation
2. Assess conservation requirements	2.1 Position plans and historical documents to allow for confirmation of the structure and placement of the designed glass installation 2.2 Photograph the installation to create a photographic sequence documenting its condition and for later reference 2.3 Identify and document the installation's structural and other relevant features, faults and past treatments according to workplace procedures 2.4 Assess and document the impacts on the installation of environmental factors according to workplace procedures 2.5 Clean up the assessment area, identify items for recycling and dispose of waste 2.6 Check, clean and do routine maintenance on equipment and tools and store them and unused materials
3. Prepare condition reports	3.1 Determine required conservation work identified by the assessment with relevant personnel 3.2 Prepare a condition report with photographic sequences, assessment evidence, analysis and recommended conservation work 3.3 Identify and estimate materials, subcontracted services, direct and indirect costs, overheads and mark-ups according to workplace procedures 3.4 Prepare and document a proposal for the recommended conservation work with the scope of work, estimates, relevant variation and other conditions and timeframes according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

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

Unit Mapping Information

No equivalent unit.

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 MSFGG4024 Assess designed glass conservation requirements

Modification History

Release 1. New unit.

Performance Evidence

There must be evidence the candidate has completed the tasks in the elements and performance criteria of this unit of competency and has, according to job instructions:

- prepared four condition reports:
 - two for leadlight panels
 - two for stained glass panels
- developed one proposal for the recommended conservation work.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- state or territory work health and safety legislation, regulations, standards and codes of practice relevant to the full range of processes for designed glass installations
- organisational and site standards, requirements, policies and procedures for the assessment of designed glass installations
- the safe and correct use of and maintenance requirements for tools and equipment used to assess designed glass conservation requirements
- historical and current designed glass installation construction, framing and structural methods
- designed glass installation construction and repair terminology and techniques
- principles and guidelines of the Australia International Council on Monuments and Sites (ICOMOS) Burra Charter
- types of plans and other documentation used to inform conservation assessment
- the types, characteristics, properties, uses and limitations of designed glass and related materials historically used
- types of potential issues with designed glass installations:
 - glass faults
 - structural faults
 - environmental impacts
- differences between preservation, restoration and reconstruction
- the most common issues that can arise when assessing designed glass conservation requirements and how to avoid and respond to them
- features and inclusion of condition reports
- professions and trades working alongside or in conjunction with designed glass conservation

- workplace policies and procedures relevant to their job role and responsibilities including for:
 - assessing designed glass conservation requirements
 - communication and reporting
 - environmental protection and sustainability, including maximising resource utilisation and minimising waste
 - quality indicators for completed work and process improvements
 - work health and safety, including the use of personal protective equipment
 - work planning.
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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:
 - designed glass installations for assessment
 - photographic and other equipment and tools required for the activities set out in the elements and performance criteria, including those to control hazards
 - job instructions and workplace procedures.

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

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