



Australian Government

**Assessment Requirements for MEM19037
Plan and implement chenier fabrication
process**

Release: 1

Assessment Requirements for MEM19037 Plan and implement chenier fabrication process

Modification History

Release 1. Supersedes and is equivalent to MEM19037A Plan and implement chenier fabrication process.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- establishing resource requirements and specifications
- calculating required materials in accordance with SOPs
- cutting materials using appropriate tools, equipment and processes
- annealing and drawing chenier materials on at least two occasions to specified tolerance using appropriate equipment
- producing items using chenier on at least two occasions ensuring solder seams are free from pin holes, inclusions and excess flooding
- fabricating sample cheniens and hinges to specification on at least two occasions
- pickling, filing, finishing and polishing items using appropriate mops and compounds.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- uses of cheniens
- equipment used for chenier fabrication
- cut material requirements
- types of materials
- safety requirements for drawing of cheniens
- use of rolling equipment and techniques for rolling
- calculations and measurements for work
- procedure to anneal material and reasons why this is needed
- equipment and techniques for drawing chenier
- procedure to swage, draw and solder chenier

- use of pickling solution and safe use of solution
- procedure to fit and solder knuckles
- finishing methods
- selection and use of mops, wheels and compounds.
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Assessment Conditions

- Assessors must:
 - have vocational competency in planning and implementing chener fabrication process at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires.
- Where possible, assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>