



Australian Government

Assessment Requirements for MSTTF3005 Apply lofting skills to sail making

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTF3005A Apply lofting skills to sail making

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:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices and other reference material
- applying relevant standards
- correctly interpreting sail design lines and table of offsets defining the pattern to be marked out for at least three (3) products of different types and sizes
- interpreting dimensions and other relevant specifications of components to be incorporated in pattern for at least three (3) sail products of different types and sizes
- selecting, preparing and using the range of lofting equipment on at least three (3) occasions for sails of different type and size to meet enterprise requirements
- applying proper handling techniques when laying out and transferring sail cloth
- identifying faults in marking, recording and correcting inconsistencies with design specifications, if possible
- measuring correctly and applying lay out, measuring and mark out techniques correctly on at least three sails (3) of different types and sizes
- checking work against information and specifications throughout lofting process, maximising material use and minimising waste
- complying with all relevant safety requirements, including safe use of tools and equipment used in handling materials, laying out and marking out
- completing housekeeping and required documentation according to workplace procedures.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- the reasons for using lofting
- maintenance of the loft floor
- sail types for various uses and boat sizes
- performance and handling requirements of sail cloths
- design lines and tables of offsets
- common sail features applied in sail making
- cross-cut, radial and membrane panel layouts

- sail cloths commonly used in sail making, and their performance factors
- steps involved in lofting process
- bracing methods and materials
- geometry and geometric drawing
- practices for laying out sail cloth
- practices for measuring and marking sail cloth
- equipment used for measuring and marking onto sail cloth
- quality standards for the sail making industry
- manual handling techniques
- labelling, folding, packing, and transferring requirements of lofted sail cloths
- product construction processes
- work health and safety (WHS) and environmental requirements of relevant industry and workplace procedures
- general industry housekeeping policies and procedures
- WHS practices, including hazard identification and control measures
- workplace procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in applying lofting skills to sail making, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should 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 reflecting 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.
- 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.
- Conditions for assessment must include access to all tools, equipment, materials and documentation, required including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>