



Australian Government

Assessment Requirements for MSTGN4007 Contribute to the development of products or processes

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTGN4016A Contribute to the development of products or processes

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
- applying relevant standards
- providing assistance to feasibility studies to assess feasibility of design and development for at least two (2) different products or processes
- interpreting product or process specifications from feasibility study and using them to develop or engineer two (2) different products
- determining availability of required resources, including equipment, raw materials, skills and personnel according to requirements
- selecting, interpreting and evaluating procedures or processes
- liaising with production area to organise and conduct trials, and analysing and reporting on results of trials to determine if production can proceed
- preparing reports on performance and maintaining records 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
- industry and product processes
- product and process development procedures
- machine or equipment, resource and skill capabilities within the workplace
- feasibility study and sampling procedures
- safety and environmental aspects of relevant workplace activities
- trials to assess if production can proceed, such as:
 - confirming and clarifying requirements
 - liaising with production area
 - allocating work
 - reviewing and evaluating processes and products

- performing trials
- interpreting data
- analysing results
- reporting processes
- quality practices
- workplace procedures
- recording and reporting practices.
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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 contributing to the development of products or processes, 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.
- The unit is applicable to all TCF sectors and assessment must ensure it is delivered to suit the industry it is being applied to.

Links

Companion Volume implementation guides are found in VETNet -

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