



Australian Government

Assessment Requirements for MEM30014

Apply basic just in time systems to the reduction of waste

Release: 1

Assessment Requirements for MEM30014 Apply basic just in time systems to the reduction of waste

Modification History

Release 1. Supersedes and is equivalent to MEM30014A Apply basic just in time systems to the reduction of waste.

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:

- applying basic JIT systems to the reduction of waste on at least two occasions
- identifying potential to eliminate waste in the current system
- drafting workable procedures to implement improvements to JIT system
- implementing and monitoring the JIT system/improvements.

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:

- value chain
- sources of workplace waste related to manufacturing operations
- JIT manufacturing philosophy
- push and pull systems
- Kanban
- flow authorisation indicators
- housekeeping principles, including the principles of 5S (seiri, seiton, seison, seiketsu, shitsuke)
- key measures for improvement, including inventory levels, lead time, delivery, productivity, set up time, quality, rework and scrap rates
- work cells
- set up time reduction techniques
- group technology
- ABC analysis of inventory
- principles of total quality management (TQM)
- principles of total productive maintenance (TPM)
- hazards and control measures associated with applying basic JIT systems to the reduction of waste

- safe work practices and procedures.

Assessment Conditions

- Assessors must:
 - have vocational competency in applying basic just in time systems to the reduction of waste 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 that 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.
-

Links

Companion Volume implementation guides are found in VETNet -

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