



Australian Government

Assessment Requirements for MEM09227 Establish structural steel detailing project arrangements

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSATCS503A Incorporate structural steel detailing into fabrication and construction project management.

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
- complying with requirements prescribed by legislation, awards, agreements and conditions of employment
- negotiating with clients
- assessing scope of structural steel detailing tasks and priorities
- using Gantt charts and other project management scheduling tools
- assessing suitability of specialist software for steel detailing projects
- establishing structural steel detailing arrangements on at least two occasions
- communicating at all levels about technical issues related to patterns and specifications.

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
- roles and responsibilities of owners, architects, engineers, fabricators, builders and structural steel detailers in construction projects
- steel construction stages of design, detailing, fabrication and erection
- codes and standards relevant to steel construction activities
- construction and fabrication project management practices including use of Gantt charts and other scheduling tools
- difference between design and detail drawing processes
- drawing office procedures
- proprietary and non-proprietary computer-aided design (CAD) and specialised steel detailing programs.

Assessment Conditions

- Assessors must:
 - have vocational competency in establishing structural steel detailing arrangements 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>