



Australian Government

Assessment Requirements for MSS015040

Conduct a sustainability energy audit

Release: 1

Assessment Requirements for MSS015040 Conduct a sustainability energy audit

Modification History

Release 1. Unit code changed. Application changed. Elements changed. Performance Criteria changed. Foundation Skills populated. Rang of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to MSS015011 Conduct a sustainability energy audit.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- determine energy usage and wastage for at least 3 items of plant and/or equipment in a process drawn from:
 - mobile plant
 - fixed plant
 - industrial equipment
 - office equipment
 - • heating, ventilation and air conditioning unit
- develop at least 1 recommendation to improve energy usage for each item.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- basic physics of energy types and measuring and calculating energy efficiency
- energy balancing techniques for process and process steps (sometimes known as heat balancing)
- calculating theoretical use of energy
- methods of measuring actual process amount/flows
- current and emerging approaches to energy waste reduction and energy efficiency in the industry or sector and related costs and effectiveness
- cost-benefit analysis
- regulatory and reporting requirements relevant to energy use and the industry.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources
- modelling of industry operating conditions.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume Implementation Guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5b04f318-804f-4dc0-9463-c3fb9a3fe998>