



Australian Government

UEPMNT309 Maintain material feeders

Release: 1

UEPMNT309 Maintain material feeders

Modification History

Release 1. This is the first release of this unit of competency in the UEP Generation Training Package.

Application

This unit involves the skills and knowledge required to undertake fault finding, diagnosis, out of service inspection (internal or external), repairs and/or overhaul of material feeders.

Material feeders are used to regulate the flow of bulk materials from bins and hoppers. They can be used in conjunction with other types of material handling equipment such as conveyors in a power generation facility.

Competency in this unit requires the ability to plan work, conduct in-service testing, remove equipment to facilitate maintenance of material feeders, maintain material feeders, replace or install material feeders and to report on all completed work tasks. Individuals will, in general, work under supervision in an electrical, electronic and/or mechanical equipment repair workshop or on site.

Power generation maintenance personnel are typically trained and authorised to receive permits to work.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Note: Workplace practice

The application of the skills and knowledge described in this unit of competency may require a licence or training permit to practice in the workplace, where work is carried out on gas and electrical installations. Additional and/or other conditions may apply under state and territory legislative and regulatory licensing requirements.

Pre-requisite Unit

MEM18006C Repair and fit engineering components

MEM09002B Interpret technical drawing

MEM12023A Perform engineering measurements

MEM18001C Use hand tools

MEM18002B Use power tools/hand held operations

MEM18003C Use tools for precision work

MEM18055B Dismantle, replace and assemble engineering components

Competency Field

Maintenance

Unit Sector

Electricity generation

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan and prepare for work

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Requirements including scope of work and assigned roles are identified and confirmed with appropriate personnel or by site inspection, in accordance with workplace procedures
- 1.2** Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) regulations, legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations and workplace procedures are reviewed in preparation for work
- 1.3** Resources are obtained and inspected for compliance with job specification
- 1.4** Relevant plans, drawings and manuals are selected and used, in accordance with workplace procedures
- 1.5** Correct materials and components for work are obtained and inspected, in accordance with workplace procedures, for compliance with job specification
- 1.6** Work is planned, sequenced and prioritised, in accordance with workplace procedures
- 1.7** Potential hazards are identified and risk control measures are selected and implemented, in accordance with workplace procedures
- 1.8** Work area is prepared, in accordance with workplace procedures

2 Conduct in-service testing

- 2.1** In-service tests are carried out, in accordance with

- workplace procedures
- 2.2** Faults are located using appropriate tools, equipment and testing techniques, in accordance with workplace procedures
 - 2.3** Testing and fault finding results are analysed, in accordance with workplace procedures, to establish repairs required or serviceability of material feeder
- 3 Remove equipment to facilitate maintenance**
- 3.1** Isolations are confirmed, where appropriate, in accordance with workplace procedures
 - 3.2** Material feeders are disconnected, in accordance with the workplace procedures
 - 3.3** Material feeders are removed, in a manner which will assist in replacement, in accordance with workplace procedures
 - 3.4** Material feeders are inspected for abnormalities, in accordance with workplace procedures
- 4 Maintain material feeders**
- 4.1** Maintenance is performed on material feeder, in accordance with workplace procedures and manufacturers' specification
 - 4.2** Components or subassemblies are dismantled, cleaned and examined, in accordance with workplace procedures, to verify tolerances and to determine whether to replace, overhaul or repair
 - 4.3** Material feeder equipment is dismantled, in a manner that will facilitate reassembly, in accordance with workplace procedures
 - 4.4** Component parts are clearly marked for identification, in accordance with workplace procedures
 - 4.5** Components are laid out, in preparation for reassembly, in accordance with workplace procedures and manufacturers' drawings or specifications
 - 4.6** New components are inspected for compliance with manufacturers' specification and are prepared for assembly, in accordance with workplace procedures
 - 4.7** Modifications or alterations are undertaken, in accordance with workplace procedures

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| | 4.8 | Components are reassembled, in accordance with workplace procedures |
| 5 Replace or install material feeders | 5.1 | Equipment is prepared for material feeders to be replaced, in accordance with workplace procedures |
| | 5.2 | All fastenings are torqued, in accordance with workplace procedures and manufacturers' specifications |
| | 5.3 | Material feeders are given a test run and are monitored, as required, in accordance with workplace procedures and manufacturers' specification |
| 6 Complete work | 6.1 | Work is completed and appropriate personnel are notified, in accordance with workplace procedures |
| | 6.2 | Work area is cleared of waste, cleaned, restored and secured, in accordance with workplace procedures |
| | 6.3 | Tools and equipment are cleaned, maintained and stored, in accordance with workplace procedures |
| | 6.4 | Work completion details are finalised, in accordance with workplace procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UEPMT309B Maintain material feeders.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>