

PERFORM HOSPITAL PLANT AND BUILDING SERVICES EQUIPMENT MAINTENANCE II

UNIT CODE: 0914451 23A

TVET CDACC UNIT CODE: ENG/OS/MDE/CR/05/5/MA

UNIT DESCRIPTION:

This unit specifies the competencies required to Perform Hospital Plant and Building Services Equipment Maintenance II. It involves performing laundry equipment maintenance, medical gases equipment maintenance and vacuum systems equipment maintenance.

ELEMENTS	PERFORMANCE CRITERIA
These describe the key outcomes which make up workplace function.	These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range.</i>
1. Perform laundry equipment maintenance	1.1 Health hazards and safety procedures are carried out as per work procedure. 1.2 <i>Laundry equipment parts</i> are inspected as per service manual. 1.3 Laundry equipment is cleaned as per service manual 1.4 Laundry equipment Fault diagnosis is performed as per service manual. 1.5 Laundry equipment Faulty parts are maintained as per manufacturer's specifications. 1.6 Laundry equipment is calibrated as per manufacturer's specifications. 1.7 Laundry equipment functionality check is performed as per service manual. 1.8 Equipment user training is carried out in line with the user manual. 1.9 Laundry equipment Service report is prepared as per work procedure.

2. Perform Medical Gases Equipment maintenance	<p>2.1 Health hazards and safety procedures are carried out as per work procedure.</p> <p>2.2 <i>Medical Gases Equipment</i> are inspected as per service manual.</p> <p>2.3 Vacuum systems are inspected as per service manual</p> <p>2.4 Medical Gases and vacuum systems Fault diagnosis is performed as per service manual.</p> <p>2.5 Medical Gases Equipment and vacuum systems and Oil and Filters are changed as per manufacturer's specifications.</p> <p>2.6 Medical Gases Equipment and vacuum systems Faulty parts are maintained as per manufacturer's specifications.</p> <p>2.7 Medical Gases Equipment and vacuum systems are calibrated as per manufacturer's specifications.</p> <p>2.8 Medical Gases Equipment Plant functionality check is performed as per service manual.</p> <p>2.9 Equipment user training is carried out in line with the user manual.</p> <p>2.10 Medical Gases Equipment and Plant service report is prepared as per work procedure.</p>
3. Perform vacuum systems Equipment maintenance	<p>3.1 Health hazards and safety procedures are carried out as per work procedure.</p> <p>3.2 Vacuum systems are inspected as per service manual.</p> <p>3.3 Vacuum systems are inspected as per service manual</p> <p>3.4 Vacuum systems Fault diagnosis is performed as per service manual.</p> <p>3.5 Vacuum systems Oil and Filters are changed as per manufacturer's specifications.</p> <p>3.6 Vacuum systems Faulty parts are maintained as per manufacturer's specifications.</p> <p>3.7 Vacuum systems are calibrated as per manufacturer's specifications.</p>

	<p>3.8 Vacuum systems functionality check is performed as per service manual.</p> <p>3.9 Equipment user training is carried out in line with the user manual.</p> <p>3.10 Vacuum systems service report is prepared as per work procedure.</p>
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RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

Variable	Range
1. Laundry equipment include but not limited to:	<ul style="list-style-type: none"> ● Washing machine ● Driers ● Pressing boxes ● Hydro-extractors
2. Medical Gases Equipment include but not limited to:	<ul style="list-style-type: none"> ● Oxygen Plant ● Vacuum Plant ● Oxygen Concentrator ● Piping System ● Medical Air ● gas manifold

Required Skills

The individual needs to demonstrate the following skills:

- Use of tools and equipment
- Communication skills
- Troubleshooting skills
- Mechanical skills
- ICT skills
- Problem solving
- Critical thinking

- Report writing
- Record keeping

Required Knowledge

The individual needs to demonstrate knowledge of:

- Safety precautions
- Fault diagnosis
- Electrical principles
- Electronics
- Hospital hygiene
- plumbing

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Identified medical gasses and vacuum systems production as per work procedure</p> <p>1.2 Carried out Hospital Plant and building services fault diagnosis as per service manual.</p> <p>1.3 Maintained faulty parts as per manufacturer's specifications.</p> <p>1.4 Calibrated Hospital Plant and building services equipment software as per manufacturer's specifications.</p> <p>1.5 Carried out Hospital Plant and building services equipment Functionality check as per service manual.</p> <p>1.6 Carried out equipment user training as per user manual.</p> <p>1.7 Prepared Hospital Plant and building services equipment Service report as per work procedure</p>
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2. Resource Implications	<p>The following resources must be provided:</p> <p>2.1 Access to relevant workplace or appropriately simulated environment where assessment can take place</p> <p>2.2 Materials relevant to the proposed activity or tasks</p>
3. Methods of Assessment	<p>Competency may be assessed through:</p> <p>3.1 Observation</p> <p>3.2 Oral presentation</p> <p>3.3 Projects</p> <p>3.4 Written tests</p>
4. Context of Assessment	<p>Competency may be assessed individually in the actual workplace or Simulated workplace.</p>
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.</p>