

1. Title	Basic repair and maintenance of mechanical installations of drainage systems										
2. Code	EMPDOR202A										
3. Range	Perform basic repair and maintenance of mechanical installations of drainage systems at repair workshops or work sites according to repair instructions.										
4. Level	2										
5. Credits	3										
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top; padding-right: 20px;">6.1</td><td style="vertical-align: top; padding-right: 20px;">Construction and basic principles of mechanical installations of drainage systems</td><td> <ul style="list-style-type: none"> ◆ Understand the types, applications, construction and basic principles of mechanical installations of general drainage systems, including: <ul style="list-style-type: none"> • Fully vented one pipe drainage system with ventilation pipe • Two-pipe drainage system with ventilation pipe [stink (manure) pipe and waste drain] • Single stack drainage system (without ventilation pipe) • Storm-water drainage system </td></tr> <tr> <td style="vertical-align: top; padding-right: 20px;">6.2</td><td style="vertical-align: top; padding-right: 20px;">Basic methods of repairing and maintaining mechanical installations of drainage systems</td><td> <ul style="list-style-type: none"> ◆ Master the basic procedures and methods of repairing and maintaining mechanical installations of drainage systems, including the procedures of regular inspection, cleaning, installation, removal, replacement, simple repair and testing ◆ Examine the damage condition of accessories such as pipes, switches/valves according to repair instructions ◆ Repair or replace damaged accessories under instruction ◆ Use general workshop and worksite equipment and tools correctly ◆ Use basic testing equipment to conduct functional tests after repair </td></tr> <tr> <td style="vertical-align: top; padding-right: 20px;">6.3</td><td style="vertical-align: top; padding-right: 20px;">Handling of basic repair and maintenance of mechanical installations of drainage systems</td><td> <ul style="list-style-type: none"> ◆ Perform basic repair and maintenance of mechanical installations of drainage systems according to installation instructions ◆ Understand the safety guidelines as required by the law and the code of practice in undertaking basic repair and maintenance of mechanical installations of drainage systems </td></tr> </table>		6.1	Construction and basic principles of mechanical installations of drainage systems	<ul style="list-style-type: none"> ◆ Understand the types, applications, construction and basic principles of mechanical installations of general drainage systems, including: <ul style="list-style-type: none"> • Fully vented one pipe drainage system with ventilation pipe • Two-pipe drainage system with ventilation pipe [stink (manure) pipe and waste drain] • Single stack drainage system (without ventilation pipe) • Storm-water drainage system 	6.2	Basic methods of repairing and maintaining mechanical installations of drainage systems	<ul style="list-style-type: none"> ◆ Master the basic procedures and methods of repairing and maintaining mechanical installations of drainage systems, including the procedures of regular inspection, cleaning, installation, removal, replacement, simple repair and testing ◆ Examine the damage condition of accessories such as pipes, switches/valves according to repair instructions ◆ Repair or replace damaged accessories under instruction ◆ Use general workshop and worksite equipment and tools correctly ◆ Use basic testing equipment to conduct functional tests after repair 	6.3	Handling of basic repair and maintenance of mechanical installations of drainage systems	<ul style="list-style-type: none"> ◆ Perform basic repair and maintenance of mechanical installations of drainage systems according to installation instructions ◆ Understand the safety guidelines as required by the law and the code of practice in undertaking basic repair and maintenance of mechanical installations of drainage systems
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7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to perform the tasks of repairing and maintaining mechanical installations of general drainage systems under instruction.</p>										
8. Remarks	This unit of competency is applicable to practitioners engaged in repairing and maintaining mechanical installations of drainage systems.										