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| 1. Title | Supervise non-destructive test (NDT) inspection |
| 2. Code | EMCUMA402A |
| 3. Range | Supervise non-destructive test (NDT) inspection (e.g. ultrasonic testing, x-ray testing) at industrial plants, power plants. The testing part may range from a single piece of material to a whole large structure (e.g. pipework, ship shell, plant machinery) or any part of it. |
| 4. Level | 4 |
| 5. Credits | 6 |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Technical requirements and concerns for NDT</p> <ul style="list-style-type: none"> ◆ Have general understanding in the technical requirements for supervising NDT inspection ◆ Be familiar with concerns and tools required for carrying out the inspection ◆ Be familiar with the advantages and limitations of different NDTs <p>6.2 Methods and procedures of supervising NDT inspection</p> <ul style="list-style-type: none"> ◆ Supervise NDT inspection and correct mistakes made by workers who implement the process when necessary ◆ Select the most suitable testing method for different kinds of jobs with regard to the degree and size of damage of the testing part ◆ Write a supervision report on the inspection. <p>6.3 Professionalism in supervising NDT inspection</p> <ul style="list-style-type: none"> ◆ Follow international specifications and in-house guidelines to ensure that NDT inspection be conducted safely and properly |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to ensure that NDT inspection be conducted safely and properly;</p> <p>(ii) Capable to explain clearly the task of NDT inspection and safety concerns; and</p> <p>(iii) Capable to write a supervision report on the inspection.</p> |
| 8. Remarks | The credit value of this unit of competency is set on the presumption that the person is familiar with NDT inspection. |