

1. Title	Analyze radiographic negatives									
2. Code	EMPEIT505A									
3. Range	Analyze radiographic negatives in general industrial plants, power plants or other places.									
4. Level	5									
5. Credits	3									
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Basic principles of radiography</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Understand the basic principles of radiography</li> <li>◆ Understand the characterization of different types of cracks on the work piece in the negative</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods of analyzing radiographic negatives</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Analyze the radiographic negative to identify the integrity or causes of cracks of the work piece</li> </ul> </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in analyzing radiographic negatives</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Follow the international specifications and corporate guidelines to conduct a reasonable analysis on the negative for testing</li> </ul> </td> </tr> </table>	6.1	Basic principles of radiography	<ul style="list-style-type: none"> <li>◆ Understand the basic principles of radiography</li> <li>◆ Understand the characterization of different types of cracks on the work piece in the negative</li> </ul>	6.2	Methods of analyzing radiographic negatives	<ul style="list-style-type: none"> <li>◆ Analyze the radiographic negative to identify the integrity or causes of cracks of the work piece</li> </ul>	6.3	Professionalism in analyzing radiographic negatives	<ul style="list-style-type: none"> <li>◆ Follow the international specifications and corporate guidelines to conduct a reasonable analysis on the negative for testing</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to accurately analyze the radiographic negative to identify the integrity of the work piece; and</p> <p>(ii) Capable to clearly illustrate record and report the result of analysis.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of materials and analytical ability.									