

**TITLE: TETA – OPERATE A TOWER CRANE**



Document Owner: Operations Manager

<b>SAQA US ID</b>	<b>116255</b>	<b>ELECTIVE</b>		
<b>Unit Standard Title</b>	Operate a tower crane			
<b>NQF Level</b>	02	<b>SGB</b>	Civil Engineering Construction	
<b>Credits</b>	20	<b>Notional Hours</b>		200
<b>Duration</b>	<b>Candidate</b>	<b>Knowledge</b>	<b>Practical</b>	<b>Workplace</b>
	<b>Novice</b>	3 days	7 days	N/A
	<b>RPL (Re-fresher)</b>	N/A	N/A	N/A
	<b>Re-certification</b>	1 day	1 day	N/A
<b>Ratio of candidates to assessor</b>	4:1		4:1	N/A

- NOTE:** Training duration applies to one specific range of tower crane only.
- : The duration of the training may be extended if the assessor is not satisfied with the candidate's performance or;
  - : If a various range of cranes from same or different manufacturers need to be trained on.
  - : If the candidate has to operate tower cranes of different codes C41 and C42
  - : For re-certification, previous certificates, not older than 90 days of its expiry date are to be produced as evidence

<p style="text-align: center;"><b><u>PURPOSE OF THE COURSE</u></b></p> <p>Demonstrating an integrated practical and theoretical grounding in Crane Operations according to safe handling and maintenance practices in compliance with crane manufacturer's and legislated standards</p>	<p style="text-align: center;"><b><u>PRE-REQUISITES</u></b></p> <ul style="list-style-type: none"> <li>• Numeracy and Literacy NQF Level 1 / ABET level 4 / Grade 9</li> <li>• Copy of an ID certified no more than 3 months</li> <li>• Copy of medical certificate</li> <li>• Induction Record addressing:             <ul style="list-style-type: none"> <li>➢ Relevant COP</li> <li>➢ OHS and General housekeeping</li> <li>➢ Mechanical awareness and Plant appreciation</li> </ul> </li> </ul>
<p style="text-align: center;"><b><u>SPECIFIC OUTCOMES OF THE COURSE</u></b></p> <ul style="list-style-type: none"> <li>• Demonstrate knowledge of the function of the tower crane</li> <li>• Identify the safety and suitability of the crane</li> <li>• Apply recognised methods for inspecting and recording the operation fitness of all components of the crane</li> <li>• Demonstrate an understanding of what constitutes safety in the broader working environment, and when operating a tower crane in compliance with statutory regulations</li> </ul>	<p style="text-align: center;"><b><u>ESSENTIAL EMBEDDED KNOWLEDGE</u></b></p> <ul style="list-style-type: none"> <li>• Tower crane operating procedures and main functions of all major components and systems</li> <li>• The maximum operating capacities of the designed working capabilities.</li> <li>• Statutory requirements including the Relevant Code of practice and Safety, Health &amp; Environmental legislation</li> <li>• Recognized hand signals (and other methods of communication) to direct the crane movements</li> <li>• Selection of crane against environmental restraints</li> </ul>