

AREAS OF  
COMPETENCY  
STANDARDS

COMPETENCY ANALYSIS PROFILE  
TOWER CRANE OPERATOR ON-THE-JOB TRAINING

SKILLS

<p>PROTECT SELF AND OTHERS</p> <p>U5340.0</p>	<p>Wear and maintain personal protective clothing and equipment</p> <p>U5340.1</p>	<p>Operate the crane in a safe manner</p> <p>U5340.2</p>	<p>Maintain a safe work environment</p> <p>U5340.3</p>	<p>Operate crane safely near high voltage equipment</p> <p>U5340.4</p>	<p>Report crane contact with high voltage</p> <p>U5340.5</p>
	<p>Inspect and service machinery guards, covers and warning labels</p> <p>U5340.6</p>	<p>Perform emergency rescues</p> <p>U5340.7</p>	<p>Ascend and descend the crane</p> <p>U5340.8</p>	<p>Operate crane safely in inclement weather</p> <p>U5340.9</p>	<p>Perform recommended fire safety procedures</p> <p>U5340.10</p>
	<p>Secure an unattended crane for short periods</p> <p>U5340.11</p>	<p>Secure an unattended crane for extended periods</p> <p>U5340.12</p>	<p>Interpret and obey signals</p> <p>U5340.13</p>		
<p>CONDUCT PRE-OPERATIONAL INSPECTIONS</p> <p>U5341.0</p>	<p>Read and interpret reference material</p> <p>U5341.1</p>	<p>Perform a daily pre-operational inspection</p> <p>U5341.2</p>	<p>Inspect the crane structure and components</p> <p>U5341.3</p>	<p>Inspect the mechanical systems and components</p> <p>U5341.4</p>	<p>Inspect the electrical systems and components</p> <p>U5341.5</p>
	<p>Inspect the wire rope</p> <p>U5341.6</p>	<p>Inspect the wire rope components</p> <p>U5341.7</p>	<p>Inspect the support structure and conditions</p> <p>U5341.8</p>	<p>Inspect travel tracks and components</p> <p>U5341.9</p>	<p>Perform a function test</p> <p>U5341.10</p>
	<p>Maintain crane log book</p> <p>U5341.11</p>				
<p>PLAN LIFTS</p> <p>U5342.0</p>	<p>Read and interpret reference material</p> <p>U5342.1</p>	<p>Participate in pre-operational meetings</p> <p>U5342.2</p>	<p>Communicate with site supervisor and other trade personnel</p> <p>U5342.3</p>	<p>Determine load weights and gross loads</p> <p>U5342.4</p>	<p>Determine crane capacity</p> <p>U5342.5</p>

SKILLS

	Select crane configuration and attachments  U5342.6	Prepare tor lift using crane equipped with personnel buckets  U5342.7	Prepare tor specialty lifts and operations  U5342.8		
<b>PERFORM RIGGING</b>  U5343.0	Read and interpret rigging reference material  U5343.1	Inspect rigging equipment  U5343.2	Inspect lifting devices  U5343.3	Select rigging equipment  U5343.4	Perform rigging and slinging techniques  U5343.5
	Maintain and store rigging equipment  U5343.6				
<b>OPERATE HAMMERHEAD CRANES</b>  U5344.0	Read and interpret manufacturers' operating manuals  U5344.1	Program the on board computer system  U5344.2	Perform pre-operational checks  U5344.3	Trolley the carriage without a load  U5344.4	Trolley the carriage with a load  U5344.5
	Swing (slew) the jib without a load  U5344.6	Swing (slew) the jib with a load  U5344.7	Raise and lower the hook without a load  U5344.8	Raise and lower the hook with a load  U5344.9	Travel the crane without a load  U5344.10
	Travel the crane with a load  U5344.11	Trolley, swing (slew), hoist and travel the crane without a load  U5344.12	Trolley, swing (slew), hoist and travel the crane with a load  U5344.13		
<b>OPERATE LUFFER CRANES</b>  U5345.0	Read and interpret manufacturers' operating manuals  U5345.1	Program the on board computer system  U5345.3	Perform pre-operational checks  U5345.4	Boom (luff) up and down without a load  U5345.5	Boom (luff) up and down with a load

